# A Bibliography of Publications about Virtual Machines

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**Abstract**

This bibliography records books and other publications about virtual machines.

## Title word cross-reference

**$32.95** [Ano97a]. 5 [ALW15, HH18]. $^{TM}$ [Cza00]. $_{TP}$ [LTK17]. $d$ [XDLS15]. $HV^2M$ [CBZ+16]. $n$ [WZKP19]. $\omega$ [Arv02]. $\Pi$ [Syr07]. $V^2$ [DG05].

**-dienste** [WF03]. **-Enabled** [SB18]. **-Tier** [WZKP19].

**.NET** [Fra06, Fra09, Hee07, Hog06, Hog08, Men03].

**/CLI** [Fra06, Fra09, Hee07, Hog06, Hog08, Siv07, Wil06]. **/dev/random** [Fer11].

**0** [Sim92, SCP93]. **0.9.0** [WR07]. **0.9.1** [WR08]. **'01** [Ano00, Ano01a, Ano01b, USE01c, USE01d]. **'02** [USE02]. **'03** [ACM03b, Ert03]. **'04** [Ano04a, Ano04b]. **'05** [ACM05d, Vra05].

**1** [Fli77, Pul91, Sch94a, WDSW01]. **1-4** [Ano06a]. **1.x** [KGG00]. **'10** [Ano10, Gal73, See10, VSC+10, YCL+18]. **10.0** [Bau06b]. **10GE** [HB12]. **11** [Ham76, PK75a]. **11/40** [GBO87]. **11/60** [SP83]. **1100** [Kam75]. **11th** [ACM04a]. **12th** [IEE85]. **14-16** [ACM06f]. **148** [Ano15]. **15th** [ACM06b]. **165** [IBM76a]. **168** [IBM76a]. **16th** [BW03, Ano93]. **17th** [Ano10]. **180x86** [Law00]. **19** [Cap21]. **1981** [Mar81]. **1985** [Jou85]. **1989** [Boa90, Shr89]. **1990** [ACM90]. **1991** [MR91]. **1992** [IEE92]. **1993** [IEE93a, IEE93b, JPTE94]. **19th** [ACM03b, SS05]. **1st** [ACM06c, Ano01a].

**2** [Bri98, Com00, Com03, Kis08]. **2-Level** [ZSR+05]. **2.0** [Fra06, Ng01a, SUN97]. **2000** [ACM00]. **2001** [ACM01b]. **2003** [RM03, ACM03a, ACM03b, IEE03, Int05a]. **2004** [ACM04a, ACM04b]. **2005** [ACM05a, ACM05b, ACM05c, Wil06]. **2006** [ACM06c, ACM06b, ACM06d, IEE06b, IEE06a, Int06b, Int06c, Int06a]. **2008** [Lar09]. **2010** [Ano10]. **2011** [LCK11]. **2018** [Kol19]. **20th** [IEE06a, Vra05]. **21st** [IEE05]. **23272** [Int05b]. **26th** [ACM99]. **29-state** [Sig89]. **2nd** [Ano02].

**3** [McC08, PO09, vdK09]. **3.0** [MRGB91]. **3.1** [Bau06a, Skr01]. **3.5** [Fra09, Hog08]. **32** [Ano14b]. **32-bit** [VED06]. **335** [ECM01, ECM02, ECM05, ECM06]. **360** [Kam75]. **360/40** [ABCC66]. **370** [Att79, Bar73, Bar78, Ber86, Cal75, Com82, GLC84, Gum83, IBM72, IBM73, IBM76a, IBM76b, McC74, Olb78, SM79]. **37th** [ACM06d]. **390** [DBC+00]. **3rd** [ACM05b, ACM06e, Ano04a].

**4** [Gal09b, G+06, Lav10, Low09, NOK+85]. **4-7** [M+06]. **40** [Com82, GBO87]. **43rd** [ACM06a]. **440** [R+02]. **4th** [USE00a].

**5** [IEE02, War05]. **5.2** [McK04, P+08]. **5.5** [Bau06c, LMG+14]. **5G** [CM18, HCB18, RNA+22, SP22, XWW+21, ZLZ21a]. **5L** [Mly09].

**60** [SP83]. **6000** [ABDD+91]. **64** [De 06, Don06]. **64-bit** [VED06, VED07]. **67** [Bar73, Par72]. **6G** [AAT+22, PF23, RNS+23, SCC+23]. **6G-based** [AAT+22]. **6th** [USE01b].

**7** [HH08]. **7th** [Tho93].

**8** [LYBB14, She02]. **80** [BMWB86, BSUH87]. **84** [IT86]. **84/K** [IT86]. **'89** [ACM89].

**'90** [IEE90b]. **9000** [ADG+92]. **91** [MR91]. **'92** [IEE92]. **'93**

[GHH+93, IEE93b, LFBB94]. **'96** [ACM96]. **'99** [ACM99, USE99].

**A-DRM** [WIS+15]. **A.NET** [Men03]. **Aachen** [GHH+93]. **AADEBUG** [ACM05a]. **ABC** [KSS+20, KSS+23, JFPL16, JFZL17]. **ABC-BA** [KSS+20, KSS+23]. **Ability** [RI00]. **Abnormal** [BSOK+20]. **Absorbing** [MTFK19, RHR20]. **Abstract** [Wel94, KMMV14, CK87]. **Abstraction** [YLH17, Sch09, YWTC15]. **Abstractions** [BJH+16, MD12, Tsa14, UR15]. **Abundant** [ZCJ+21]. **Accelerated** [MTFK19, NRdA+20, SCSL12, SWF16, BHDS09, SPAK18]. **Accelerates** [Ano03a]. **Accelerating** [BSSM08, MNS+14, ZLBF14, KKC+16]. **Acceleration** [DEK+03, FLZ+20, WZL+23, YML+18, PRS16, Wu13, XZZ+16]. **Accelerator** [LWB13, SXMX+18, GGK19, GKT17, JAC+19, LKY+17]. **Accelerators** [GLL+21]. **Access** [DL19b, Fie68, KCWH14, KP15, LZW+17, Mar73, MSI18, WLCS17, WWL+17b, Bor07, BTLNBF+15a, CWC+14, CFS+12, HCB18, MN91, Oi08, PSC+07, XJW+18]. **Accesses** [WVT+17]. **account** [Yel99]. **accountability** [HBP06]. **Accounting** [JSHM15, CMP+13, HB08]. **Acculock** [XXZ13]. **accuracy** [CEG07, EG03]. **Accurate** [HLW+23, RRB17, ZDLG17, SK13b, XXZ13]. **ACDC** [AHK+15]. **ACDC-JS** [AHK+15]. **achieve** [ZL13]. **Achieving** [HLPY16, KMK16, KLR+20, MBK+92, JYOB18]. **Acid** [LPSS19]. **ACLE** [PBR+90]. **ACM** [ACM90, ACM01b, RM03, ACM03b, ACM04a, ACM04b, ACM05c, ACM05d, ACM06a, IEE04, Vra05, Cre10b]. **ACM/IEEE** [ACM05c]. **ACM/USENIX** [ACM05d]. **ACO** [KS20a]. **ACO-based** [KS20a]. **ACOS** [NOK+85]. **ACOS-4** [NOK+85]. **Acquiring** [FG91]. **Across** [JWL+18, TMMVL12, XLQL18]. **ACStor** [WWL+17b]. **action** [Hol95, KB17, Siv07]. **Activation** [RSN+18]. **Actor** [TCP+17]. **actors** [GE85, Sub11]. **Actra** [TLD+89]. **Ada** [Bak83, Dom80a, GBO87, GR80, Ibs84a, Kam83, Ker88, Ibs84b, SGS92, SM92, Vol90, WSX+19, Wes98, ZEdlP13]. **Ada-Things** [WSX+19]. **Ada'97** [ACM97]. **Adaptability** [SV13]. **Adaptable** [GKSP99, CGM17]. **adaptation** [AJBJ23, ZBG+05]. **adapters** [SAB+07]. **Adapting** [BADM06, SJW+13, WGLL13]. **Adaption** [BHI15]. **Adaptive** [AS14, Bir94, CYX+17, DLH+20, HHW10, HKKW13, JKB15, KHL17, LMV12, Lee16, LCT+15, LZL+15, LYGG20, MCJ19, NZH20, OVI+12, PSZ+07, PYDG22, PMP23, SOAK23, SXCL14, XCSM18, XLL+20, YLT+23, ZDK+22, ZLZ21a, ZFH+22, dSOK17, BB12, BKT+19, GKJ+19, HPS23, JNR12, JC18, KKB14, KR16, SENS16, SEPV19, SYMA17, WSX+19, ZLCZ18]. **adaptively** [JDW+14]. **Adding** [HHV+02, Say67]. **Address** [HWHW18]. **Addressing** [XKKL23]. **Administration** [MJW+06, NSHW10, Bor07, Dav04]. **administrator** [TC10]. **Admitting** [MLXG19]. **Advanced** [A+04, Alf91, fLtNW14, AAB+05c, B+05, G+05, IEE06a, MRM06, OH05, SXH+19, SS05, Fit14]. **Advances** [Ert05]. **Advancing** [ZKWH17]. **Adversarial** [HLP+16, PST15b]. **advisor** [ZLV+12, ZBS+15]. **affect**

[SMSH18]. **Affinity** [SK13c]. **Affinity-aware** [SK13c]. **Against** [HS19, CVWL13, CD12, GHD12]. **age** [Bac11]. **agenda** [ZJRW19]. **Agent** [PXG+17, RB01, ABV12, DHD20, PDM20]. **agent-based** [PDM20]. **Aggregation** [JZY+22]. **Agile** [GHS16, GHS17, IMK+13, ZLZ+21b]. **Agility** [OSK15]. **aging** [AMA+14]. **Agnostic** [IYAK23]. **ahead** [MA10]. **AHP** [AHRR22b]. **Aid** [KLF+15]. **aided** [ME87, SI81, TB14]. **AINA** [SS05]. **AIX** [Gal11, Mly09]. **ALEP** [Sim92, SCP93]. **ALEP-0** [Sim92, SCP93]. **Alfa** [WDSW01]. **Alfa-1** [WDSW01]. **Algorithm** [AAR22, AAK18, BP99, LSC+17, LLWM23, LWW16, LW12, LW20, WCC20, ZHL16, AHRR22a, BB20, BRS+22, EB20, FGZC23, FS19, GGQ+13, GH20, GPR23, GA18, HAK22, Hog02, HS13, JGA+88, LKR+19, LZC+16, LY23, MNB24, MM92, MS17, MMTM22, MHM19, NAR19, PC21, PKS+19, QBL+23, RGAT18, RH17, RT18, SBI21, SEM+20, SS19, TMLL14, Tho68, WBW+19, XWW+21, XXWG23, YLCH17, YYC+19, ZYLY18]. **Algorithm-Dependent** [BP99]. **Algorithms** [ARAAA19, FGLI15, HHK94, KP99, LPSS19, Man15a, SHW+15, AB16, BB12, CRB12, GLW23, HH19, Man18, ME87, MJ93, SGS92, WHW20, XTB17, YTS14]. **aligned** [AGIS94]. **Alignment** [EDS+15]. **allocate** [LLF+18]. **allocating** [MMTM22, XHW+19]. **Allocation** [BFM+21, CWL12, CPST14, Do11, GLBJ18, HKLM17, HLPY16, JFPL16, KRS+17, KCY22, LLZ18, Man15a, NMG15, NHL22, PCC+16, SJ21, SDM21, VTW16, WTJR22, XSC13, ZWFX17, ZLG+20, CEPR22, CPST15, dCCDFdO15, DEG+17, EdPG+10, GLLJ16, GLW23, HMH17, HH19, JWH+15, JC18, KDK20, KS20a, KS18a, LJYZ15, Mly09, RNA+22, RCTY19, SGV13, THH+14, WGY20, YGLY21, YYC+19, ZG13, ZLH+15, ZWC+19]. **allocation-site-based** [CPST15]. **Allocations** [YWH+21]. **allowing** [Tho73]. **already** [RAT17]. **Alternative** [HBL+10, MLG+02, vMAT14, SPF+07]. **Alto** [ACM01b]. **Amazon** [FFM+23]. **AMD** [Str05]. **AMD64** [Ano14a]. **American** [Boa90]. **among** [CDN02, LLF+18, LTZ+14, TtLcC13]. **amplifying** [DP11]. **Analogy** [Gai75]. **analyses** [BNS18, HB13]. **analysing** [PV06]. **Analysis** [ACM05a, BE17, BFG+14, BDG18, CC77, HT98, HKM+18a, HB17, HWB03, JKK+13, KNT02, LCK11, MM93, NMS+14, Ost94, RI00, RRB19, SM02, TKG89, VP16, WH99, WDL+20, WLS+18, ZTA+21, ACM01a, AAH+03, AMIA19, BDQR23, BBM09, BMER14, CBFH20, DD20, EBJ17, EMS15, FX06, GP13, GPW03, KSS+20, KSS+23, KS20a, LTZ+14, MD73, MD74, MSG01, PFNC20, RRB17, RGS+20, SMSB11, TLX17, Wün13, YJZY12, YSM+21, ZMD+21, DHPW01]. **Analysis-Driven** [ACM05a]. **Analytic** [Bar73, Bar78]. **Analytics** [IGBKR19, KKE19, WTM18, KB17]. **Analyzer** [Ano03a, SHLJ13]. **Analyzing** [CVWL13, PV08, ZDK+19]. **ANCS** [HLPY16]. **Android** [CXLX15, KLF+15, MMP+12, STY+14, THC+14, ZYH+19]. **Anemia** [RHV17]. **Anemia-Like** [RHV17]. **Angeles** [ACM06c, IEE84b]. **Animated** [PCR89]. **annealing** [RH17]. **Annotated** [MR04, RSF03]. **annotation** [ANH00]. **annotation-aware** [ANH00]. **Announcement** [Ano00]. **Annual**

[ACM06a, Ano10, IEE85, IEE05, MS91b, Shr89, USE00a, USE01a, USE06, ACM06a]. **anomalies** [FRM+15]. **anomaly** [Hui18, MW18, SIK+16]. **Anonymisation** [VV18]. **Ant** [AAK18, PAC+22, AP18, FS19, GGQ+13, ZFL+23]. **Antfarm** [JADAD06a]. **Anti** [SMA18, AKCP21, Sta07]. **anti-debugging** [AKCP21]. **Anti-P2P** [Sta07]. **Anti-Virtual** [SMA18]. **anti-virtualization** [AKCP21]. **Antonio** [ACM99, USE01b]. **Anwendung** [Bec09, Bor01, WF03, Zim06]. **Any** [WL96, FIF+15]. **AOT** [WKJ17]. **APA** [JNR12]. **Apache** [FRM+15]. **apart** [LBF12]. **API** [Ano14c, SM23b]. **APL** [Alf91]. **App** [ZYH+19]. **Apple** [Sam22]. **applets** [Wes98]. **Appliance** [See10]. **Appliances** [BRX13, ZZW+21, AEMWC+12, BSM+12]. **Application** [AJ18, AW17, BB17, BCZ19, CHW12, cCWS14, Cza00, HMH17, KNT02, KLF+15, LWC+17, LPZ+22, MD73, MD74, PCW+16, TB17, WGW+18, ZYH+19, AS14, BBS06, IBM88, Int88, IBM96, JSK+13, JCZZ13, JDJ+06, Kag09, Lia05, LBF12, LLS+08, MRGB91, SE12, SWcCM12, SASG13, SL00, ZS01, ZBG+05]. **Application-Aware** [AJ18]. **application-specific** [ZS01]. **Application-transparent** [AW17]. **Applications** [AHKC23, Ano99b, Ano03a, BAL15, Boa90, DSM+18, DJS+17, FBL18, HHV+02, HSK17, HC17, HCB18, IEE05, JW17, KKS+19, LGJZ16, LSSC22, LH15, NKK+06, Par71, PLMA18, Pfo13, PY93, RNS+23, SN23, SS05, TR88, VP16, WLS+18, WZKP19, XZL+20, AS76, Alf91, AC16, AB16, ACT94, ABC+07, BD11, BPM+22, BSNB20, BTLNBF+15b, BRS18, BOF17, BFS+18, DMH18, DBC+00, EBLM22, EF94, EMS15, GHD12, GTN+06, GHH+93, GLQ+13, GKJ+19, HKS19, HcC14, HKD+13, HSC15, JPTE94, KRG+12, LCL14, LF19, MCC18, MA19, NBS18, dOL12, PTM+15, RNA+22, R+13, RSLAGCLB16, SZKY21, Sch13b, SGV12, SZ88, TDG+18, TV18, WDCL08, WSX+19, YYC+19, YGN+06, ZBP05, ZNSL14]. **Applicative** [AS85a, Abr82, AS85b]. **applied** [MM92]. **Applying** [FFM+23, CSSE21]. **Approach** [ARAAA19, BC19, BFG+14, BRX13, CFM17, CLW+14, Cox09, DPCA11, DM75, EMAL17, Fie68, FPS+02, FML+22, Jen79, JQWG15, KC16, KAH83, Mad69, MP16, MSC+21, NLPV12, NSJ12, PF23, SDD+16, VN06, WJ10, WVT+17, WTJR22, XD17, YYY+23, ZTWM17, AHRR22b, ADWM18, BML+13, BHvR05, CGL+08a, CGL+08b, CGL+08c, CBZ+16, DS22, GKP+19, GLLJ16, HLBZ20, KW13, KKB14, KF18, LH13, LU04, MD73, MD74, MK22, MAK18, MA21, NZH20, PSC+07, PJZ+19, Pon19, RWC21, SENS16, SHR19a, SHR19b, SEPV19, TZK17, TSR19, XHCL15]. **Approaches** [BAL15, FMIF18, HM20, JK15, EYGS19, TIIN09]. **Appropriate** [ZRS+16]. **Approximation** [GLW23, MNB24]. **apps** [MMP+12]. **April** [Ano01b, IEE84a, USE01c]. **Arbitration** [SKJ+17]. **Architecting** [SYC14, TZB19]. **Architectural** [DLLN18, DCP+12, Gol73c, JR02, NMHS15, PJZ18, PEC+14, SL12, CFS+12, DLL+16, PAKY16, RVJ+01, WLL+13]. **Architecture** [ASMA21, BBD+91, BKMM87, BDR+12, BG73a, CAF+91, DAH+12, DSM+18, DS09a, ECET18, EMW16, G+05, Gol73a, Gol73b, Gum83, Han73,

HW93, Hsu01, HWCH16, IEE85, KZB+90, Kee77, LW73, LMG00, LMG01, LGR14, MSS+15, PCC+16, PK75a, RC18, Rev11, SVM+23, SJV+05, SADP21, SSB03, SN05a, SJA+17, SWF16, Sun99, TR88, TV12, Tur92, Uhl06, WIS+15, You73, ZL18b, ZZW+21, ZGW+06, Ano94, DJP+24, Ber86, BR01, BNS18, CCL+17, CLDA07, DS09b, FS19, FC98, GDSA+17, GCARPC+01, HIIG16, Hog02, HMS04, HPS23, IBM88, IIK+06, Jou85, KW80, KNHH18, LLW+12, LL14, MMTM22, MS01, MJ93, NOK+85, OJG91, RFBLO01, Ros06, SIJPP11, SG09, SDN09, SOKE23, Wel02, YTS14, YYPA01, Yur02].
**Architecture-aware** [WIS+15]. **Architecture(R)** [MBBS13].
**Architectures**
[ACM06b, BN75, BDF19, EMAL17, ELC+19, EG01, GG72, HW93, HHK94, Ian14, PG74, PY93, QTR21, RD90, SXMX+18, BGS13, DM93, EMI13, KMG+18, NBS18, PNM+20, PG73, Skr01, YZW+13, ZP14, CEPR22].
**Architektur** [Dal97]. **Archive** [CLKEF21]. **Area** [BFG+14, Fis01]. **areas** [BCZ19]. **ARIMA** [CSSE21]. **ARINC** [DPCL22]. **Arizona** [IEE05]. **ARM** [CJJ+22, DN14, DLL+16, DLLN18, GNDB16, MGL+17, ZTWM17, PS19a].
**Aroma** [Sur01]. **Arquillian** [Ame13]. **Array** [MBK+92, SV15]. **arrays** [dCJR16]. **Arrivals** [KMM13]. **Arrives** [Bai70]. **Art** [BGP00, SGB+16, AEB19, BDF+03, BDG18, MDD+08]. **Artificial** [MR91, PS23, TVO92, BCM90, IM93, KCV11, RK16]. **arts** [BB08].
**ARVMEC** [XLL+20]. **as-a-Service** [ESY+17, HPHV17]. **ASM** [SOAK23].
**aspect** [BADM06]. **Aspects** [Hsu01, Kna93, PP73, EF94]. **assembler** [GBO87]. **Assembly** [BD01, SVB93, Ber86, Don88, Juo07].
**Assembly-Language** [SVB93]. **Assessment** [FXL+23, PM19a, vCPWvT11]. **assigned** [AAT+22]. **assignment** [AAM+16, KMT14, WZV+13]. **Assist** [Hor73, Olb78]. **Assisted** [AY24, CCML12, JSHM15, JAS+15, PPG+17, RTL+18, AJH12, AEB19, GMK17, PDM20, ZYZ+18]. **Assists** [OLZ16]. **Association** [Sof83].
**Assurance** [LJZ12, LLW+12, MKM+08]. **Assuring** [YDW18]. **AST** [ZLBF14]. **asymmetric** [CBGM12, KKJL14, KNHH18]. **Asynchronous** [Cav93, LJL+11, MM93, RZPX19, SM01, WZKP19, WN17, vLSM01].
**Atlanta** [USE86, USE00a]. **ATMS** [CWG00]. **atomicity** [BHSB14].
**attached** [Mon97]. **Attack** [DL19b, WLCS17]. **Attackers** [CLS07]. **Attacks** [LSSC22, SL16, SYB12, TV12, WWL+17a, GHD12, NS17, VT14, WXW15].
**Attestation** [ZL16, KBC21, VT14]. **attribute** [FS89, SS19]. **Auction** [SZW+16, TVKB16, ZG13, ZLH+15]. **auction-based** [ZG13]. **Auctions** [ZHW+17]. **Auditing** [SM90]. **aufsetzen** [RHM08]. **augments** [Bri98].
**August** [RM03, IEE96a, IEE96b, IEE97, IEE99, MR91, Ost94, USE93, USE00b, USE02]. **Ausfalls** [Mar08]. **Austin** [ACM75, IEE02, IEE03].
**Australia** [MR91]. **Author** [DM76]. **Auto** [TSCB19]. **Auto-scaling** [TSCB19]. **AutoBoT** [VS19]. **Automata**
[JYOB18, NNK21, RGAT18, RT18, TLX17]. **automata-based** [RGAT18, RT18]. **Automated**
[AD18a, ACM05a, Ano03b, BSSS14, HLP+16, FGLI15]. **Automatic**

[MS00, SMES01, SMA+10, Sus76, WML02, ZLZ13, CL17b, MSZ09]. **Automating** [MJW+06]. **Automation** [ACM06a]. **automaton** [Sig89]. **Autonomic** [LGJZ16, SKT+19, SEK+19, YWH+21, SWC08, WDCL08]. **Autonomous** [SC17, NNK21]. **autoscaler** [MPM+20]. **Autoscaling** [Kov19]. **Autoselection** [KKE19]. **Autotuning** [KKE19]. **Availability** [LGXC23, RGS+20, AAF+09, Fu10, LDL+08, MDZ+21, MRC+13, NMC18b, NMC18a, TUM18, YLH14]. **Availability-aware** [LGXC23]. **Available** [Ano03b, GI12, GVI13]. **avatar** [CKT08]. **average** [LDL14]. **avionics** [ABC+07]. **Avoidance** [HS19, LYS+18, AHRR22a, OG16, PC21]. **Avoiding** [BLRC94]. **Award** [War11]. **Aware** [AJ18, AAK18, BMS16, BL17, CWH+16, CGC16, CWL+15, CTP+17, CYX+17, CHLY18, Do11, EGR15, EVCL21, GCL+21, HC17, HTB22, HPP15, JJK+11, JQWG15, KL14, LMM18, LXL+22, Man16, MA21, PYYG21, PHC20, RG17, SDD+16, TB17, WZH+16, XLL+14, XLJ16, XLWX19, XZL+20, YLH17, ZWFX17, ZCG+17, ZLZ21a, ZWL+18, dSdF16, AJBJ23, AT23, ADA+19, AO16, AMAB17, ANH00, BSNB20, CD14, CCL+20, CLL+23, DXM+17, DCMW17, EBJ17, FZS+20, FA21, Fu10, GLK+12, GA18, HKS19, HZL+18, HH18, HH19, HLBZ20, HSC15, HC12, IRB19, IKU15, JNR12, JC18, JYOB18, KN18, KC16, KBDK22, KB21, KK21, KBB11, KCS14, KR16, KLF+15, LYYY18, LYY+20, LGXC23, LWL16, LWCZ22, LCL+23a, LCL+23b, LQD+18, MMTM22, MHM19, MA19, PC21, PFPJ18, PF23, PS23, RNA+22, RKT20, RH17, RHZ+17, SSB+14a, SHR19a, SHR19b, SSN12, SGV12, SS22, SZL+14]. **aware** [SK13c, TDD20, WIS+15, WCC+16a, WDT18, XCJ+14, XWW+21, XLWZ18, XXWG23, YRJ18, YQZ19, ZHHC17, ZWC+19, ZFL+23, ZWH+17, ZSRR22, JZY+22]. **Awareness** [ZHL16, LCL14]. **Azure** [Fab13, RHV17]. **Azure-Based** [RHV17].

**B** [Req03]. **B5500** [Ham76]. **BA** [KSS+20, KSS+23]. **Back** [KS08b]. **backhaul** [MCC18]. **backpropagation** [RWC21]. **Backup** [ACA16, KRS+17, ZXW16]. **Backup-Sharing** [ACA16]. **bad** [RY10]. **Bag** [VS19]. **Bahamas** [Ano99b]. **balance** [YWH+23]. **Balanced** [LLW+16, DS18, XZK+20]. **Balancing** [ARAAA19, CGC16, CL16a, DY17, Gua14, HPP15, KK19, LW12, LYS+18, MKKE12, WWH+16, WTL+16, YWR+14, Bir94, GH20, GPR23, KAZS14, TF16, Vac06, XH90, XTB17, ZWL09]. **BalCon** [GPR23]. **Ballooning** [LJL+15]. **Baltimore** [Ano93]. **Band** [ZSXZ07, PBYH+08]. **Bandwidth** [ELC+19, KDK20, LJFS17, LWZ+18, YLH17, ZRS+16, BAC15, GLLJ16, LZW+15, THH+14, WQG15, WXW15]. **Bandwidths** [LMM18]. **bank** [PAKY16]. **Bare** [AGH+16, OSK15, GAH+12]. **Bare-metal** [AGH+16, OSK15, GAH+12]. **barrier** [Rix08]. **barriers** [LM99]. **Base** [UOKT84, WH08]. **baseband** [KWZ+19]. **Based** [AHKC23, AAK18, Bad82, BAL15, BE17, CWL12, Cap21, CHW12, CLW+14, CD12, CDD13, DPCL22, DF96, ECET18, FD08, GGG03, HKM+18b, HWHW18, JFPL16, JN15, KP15, KLR+20, KAZS14, LW11, LP14, LKL+19,

LCT+15, LLWM23, LGZ+19, LW12, LZW+17, LZM+20, MJW+14, MTFK19, MGL+17, NASD21, NL19, OVI+12, PvDS08, Ran02, RZPX19, RHV17, RWX+12, SJV+05, SXH+19, SDM21, SHZ+14, SKJ+17, TV12, WB81, WLS+18, WTM18, YYY+23, YWR+14, YWW+15, YLN+17, ZDK+22, ZQCZ16, ZLL+20, ZXY+15, ZB20, vLSM01, AD18a, ABB19a, AHRR22a, AAJD+16, AAT+22, Ano96, Ano06a, AB16, ALL06, AMA+11, BD11, BLMP22, BL17, BSNB20, BY20, BNS18, CL17b, CBJ22, CPM+18, CEPR22, CVWL13, CGL+08a, CGL+08b, CGL+08c, CWC+14, CBZ+16, CLcC13, CPST14, CPST15, CFRSSR19, CGV10, CRG16, DD20, DP11, DS18, DC15, DLH+20, DPCA11, EB20, ETAB22, EYG21]. **based** [ESY+17, FGZC23, FS89, FS19, FMJ15, FLCB10, FF96, FL13b, GTGB14, GDSA+17, GH20, GR15, HM20, HKJ19, HO22, HOKO14, HWCH16, JWH+15, JFZL17, Kag09, Kam13, KLY20, KS13, KS20a, KRCH14, KKB14, KDB16, KK21, KM13a, KM13b, KJM+07, KKJ+13, gKEY13, KLK+22, LMJ07, LBL16, LYYY17, LYYY18, LXRS19, LLZ+19, LLX+17, LLS+08, LC13, LPZ+22, LWCZ22, LCL+23a, LCL+23b, LMDP19, MCC18, MPA+18, MW18, NZH20, NRdA+20, NS17, Oi05, Oi06, Oi08, PFH+16, PDM20, PGLG12, PMP23, uRQS20, QZDJ16, QBL+23, QCM+24, RGAT18, RH17, RHR20, RG19, RT18, RAP19, RCTY19, SJB14, SS13, SENS16, SG10a, SEM+20, SGV13, SM23a, SS19, SM23b, SPF+07, SYC14, SXMX+18, SOKE23, SV17, SCFP00, Sto07, TT96, THB22, TY14, TSCB19, VT14, VGL23, Vog03, WKT08, WDCL08, WXZ+17, WBW+19, WGY20, WW77, WYZAD20]. **based** [XZ11, XZZ+16, XJR+17, XWX+17, XYYY17, XA22, YC98a, YC98b, YZW+13, YZLQ14, YLCH17, YBZ+15, YWH+23, YSM+21, YLJ22, YC16, ZG13, ZMD+21, ZLH+15, ZWHC17, ZAI+16, ZFL+23, ZLL+16, ZXR+22, dSOK17, vKF13]. **basic** [A+04]. **basierende** [Deu08]. **Basis** [Kar07]. **Batch** [KMM13, LD05, SS13]. **Batched** [GLL+21]. **bathymetry** [MMG+18]. **Bay** [Ano10]. **Bayesian** [LYYY17]. **BCPL** [Abr80, WW77]. **BCPL-Slim** [Abr80]. **Be** [Cox07]. **beams** [MC98]. **Beautiful** [SG09]. **Bedienung** [KGG00]. **Bee** [PS23]. **beetle** [BRS+22]. **beginner** [RR09, Wes98]. **behave** [Voe86]. **Behavior** [EG01, XWH+16, ZDLG17, BSOK+20, CL14, LWB+15, Oi08, SEM+20, Wol99]. **behavior-based** [SEM+20]. **behavioral** [CL17b]. **Behind** [Cra98]. **Belgium** [ACM04a]. **Benchmark** [DHPW01, WZT19, GPW03, SMSB11]. **Benchmarking** [CGS06, RO16, AHK+15, FLM+08, KJ13, ZS01]. **benchmarks** [LJN+00]. **Benefit** [HB14]. **Benefits** [KWZ+19, LS15, SIRP17, CM18]. **Berkeley** [USE01c]. **Best** [B+07, BY20, GHS16, MS17, Sch13a]. **best-fit-decreasing** [BY20]. **betreiben** [RHM08]. **Betriebssystem** [CK06a, CK06b, CK06e, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06l, CK06n, CK06o, CK06p, CK06q, CK06t, CK06r, CK06s]. **Betriebssysteme** [WR07, WR08]. **Better** [MW05, Com00]. **Between** [Jen79, KLLT18, ZLHD15, BDJdS02, BRS18, CL17a, GLQ+13, GSW+17, KGS16, Mal73, EYGS19]. **Beyond** [FPS+02, ACM04a]. **Bias** [Lee16]. **biased** [ABDD+91]. **Big**

[ECET18, GTS+15, MSG14, WTM18, BOF17, DXM+17, LMDP19]. **Billing** [RB17]. **Bin** [BB17, GR15, SXCL14, XDLS15]. **Binaries** [PA21]. **Binary** [BDG18, KLF+15, WMUW19, ZFL15, dGG+17, HLW+13, JYW+13, PGLG12, vKF13]. **BIND** [See10]. **binding** [KW13]. **biodata** [Wün13]. **biogeography** [ZLL+16]. **biogeography-based** [ZLL+16]. **biology** [Wün13]. **Biopolis** [Ano06a]. **bird** [Guy14]. **Birth** [NOT+17]. **bison** [Kag09]. **bison/flex** [Kag09]. **bit** [VED06, VED07]. **Bitcoin** [HB14]. **BizOps** [FBL18]. **Black** [NMMP15, VVB13, EB20, TZK17, WSVY09]. **black-box** [TZK17, WSVY09]. **Blackboxes** [KBK+21]. **blackhat** [Ska07]. **Blending** [VSMC23]. **Blessing** [Kot10, Kot11]. **Block** [LZY+24, Sch94b, Sch94a, TLBW12, ZLL+20, Zyt94a, Zyt94b, FFBG08, FLCB10, LLLE17, TKG89, WF07]. **block-device** [FFBG08]. **Block-level** [LZY+24, FLCB10]. **block-paging** [TKG89]. **Blockchain** [CQLL18, DMH18, TDMP23, XKKL23, XJR+17]. **Blockchain-based** [XJR+17]. **Blocks** [Lam75]. **blows** [BBTK+17]. **Blue** [SSU+12]. **BlueIO** [JAD19]. **Blueprinting** [NLPV12]. **board** [CGV10]. **Bochs** [Ano14b]. **bodies** [AGIS94]. **Bolton** [ACM03b]. **Book** [Ano97a, Fro13, Lar09, Van98, B+07, TC10, War02]. **books** [Van98]. **boost** [CBZ+16]. **boosting** [AC16, LKY+17, PGLG12]. **Boot** [NOT+17, SB16, DBO+18]. **Bootstrapping** [CBLFD12, Kam75]. **BOS}** [RP07]. **Boston** [IEE85, USE01a, USE06]. **Both** [ZHL16]. **Bottom** [UOKT84]. **Bottom-up** [UOKT84]. **bound** [DJP+24, JGA+88, TSN+23]. **boundary** [SBQZ14]. **bounded** [XHL+13]. **Box** [NMMP15, TZK17, VVB13, WSVY09, XHCL15, MNS+14]. **branch** [CEG07, EG03, JGA+88, JYW+13, WHC16]. **branch-and-bound** [JGA+88]. **branch-and-price** [WHC16]. **branches** [KJM+07]. **Breadth** [MNS+14]. **Breaking** [VMW+19, GKBB15, Rix08]. **breed** [Arm98]. **Brewing** [WZL+18]. **Bridge** [Men03]. **Bridging** [ACM04b, FL13a, GSW+17]. **Brighton** [Vra05]. **bring** [XKY+11]. **Bringing** [BDR+12, PPS+18, STS+13]. **Broadcast** [SXH+19]. **Brokered** [BB17]. **brokering** [TMMVL12]. **brokers** [PAKY16]. **browser** [FIF+15]. **Browsers** [YML+18]. **BSD** [WF03]. **Buch** [KGG00, Tho08]. **buddies** [WTLS+09]. **Budget** [BE17, RB17, SJ21]. **Budget-Driven** [RB17]. **buffer** [JADAD06b]. **buffers** [CFG+13]. **Bug** [Ano97b, Ano15]. **Build** [Kol19]. **Building** [AAB+05a, CGM17, DBC+00, DF96, HWCH16, PEC+14, SJV+05, See10, TSP17, Nie12, RG19, SG10b, WH08]. **Burstable** [WUNK17]. **Burstiness** [RKT20]. **Burstiness-aware** [RKT20]. **bursts** [DP11]. **bus** [HHPV15]. **Buying** [YLN+17, ZLH+15]. **buying-based** [ZLH+15]. **BYOD** [DMG+15]. **Bypass** [LHAP06]. **Bytecode** [MO98, SEK+19, HLW+23]. **bytecodes** [SUH86].

**C** [Fra06, Fra09, Hee07, Hog06, Hog08, Wil06, ZB18, Blu02, CWG00, G+01, Hee07, Hog06, Hog08, JM08, Men03, Siv07, Wil06]. **C#** [G+01]. **c-mean** [ZB18]. **C/C** [Blu02]. **CA**

[ACM06a, ACM06c, Ano97a, IEE84b, IEE93a, USE01c]. **Cache** [HS21, JQWG15, KR18, NsP16, RHR02, SDS+21, TBS17, vSMK+20, Boz89, JADAD06b, Oi05, RJK16, ZP14, AMA18]. **CacheInspector** [SDS+21]. **CacheOut** [vSMK+20]. **caches** [BLRC94, DSR23]. **Caching** [AMA18, ASMA21, KJL11, LGZ+19, MM93, LM99, XWX+17]. **CAFE** [ZFH+22]. **Calculations** [Bad87, Hol95]. **Calculus** [ABV12, Wat86, Wat87, WK90]. **Calif** [ACM01b]. **California** [ACM05a, Ano01b, Ano04b, Ano10, IEE96a, IEE97, IEE99, USE91, USE99, USE01c, USE02, IEE84a, IEE90a, IEE91, Tho93]. **Call** [DEK+03, Lee16, PULO16, PVRR14, SSB+14a]. **Call-site** [SSB+14a]. **calling** [HB13, SSB+14a]. **calls** [VMBM12]. **Cambridge** [USE93]. **CAMIG** [HTB22]. **Can** [Cox07, GW07, THB06, Sig89]. **Canada** [ACM06f, Sof83]. **CAOS** [Sch86]. **Cap** [HC17]. **Capabilities** [TVO92, WZT19, Ame13, AAB+05c, Fit14]. **Capability** [ECET18]. **Capable** [Ott18, PST+15a]. **Capacity** [BB17, HMH17, LYGG20, SJ21, WUK+18]. **capo** [SMSB11]. **Capping** [HSK17, JKK+13]. **Capture** [SCFP00, Sur01]. **Capture/Replay** [SCFP00]. **capturing** [BKC+13]. **Card** [Siv04, SUN97, HM01, Req03, JCV99]. **cards** [GLV99, TLBW12]. **carrier** [FZS+20]. **carry** [Ame13]. **carrying** [FCG+05]. **Cascade** [YYL+15]. **cascading** [HL13]. **Case** [FFM+23, GGG03, HBL+10, HWB03, Ian14, PK75a, PS19b, vCPWvT11, GGK19, HIIG16, MN03, RK18, Sig89, SIRP17, Vit14]. **Case-Based** [GGG03]. **Cases** [FG91]. **Cassandra** [FRM+15, SLC20]. **Catalyst** [Ano03a, GMK17]. **Catching** [SXH+19]. **Categories** [Gai75]. **catering** [RNA+22]. **causes** [FRM+15]. **CBase** [ZLZ+19b]. **CCAP** [JQWG15]. **CCGrid** [TLC06]. **CCHybrid** [Yu20]. **CD** [Joo06]. **CDN** [LYS+18]. **cell** [MFT+19]. **Cells** [DAH+12]. **cellular** [ALW15, Sig89]. **Center** [Ano93, Car14, CGC16, DY17, FML+22, IEE90b, PCC+16, WN17, XWJX15, ZDK+22, CLL+23, HKB19, HUWH14, IRB19, JYOB18, KBDK22, LZW+15, Man15b, MRM06, MBM09, NTH+17, RGS+20, TDD20, VOS12, WDCL08, WZV+13, YPLZ17, YGLY21, YLJ22, ZLZ+19b, ZWH+17, Car13]. **Centers** [AJ18, AAAF21, AGC18, BB13, CL17a, CTP+17, EGR15, HTW+19, HO22, JFPL16, KMM13, LMM18, LVM16, LLWM23, Man15a, Man16, SB16, WZH+16, YLH17, YWW+15, ZHL16, dSdF16, ARA18, ARA20b, ARA20a, AD19, AJBJ23, AGH+15b, AGH+15a, AHRR22b, ATZP21, ATS16, AMAB17, ARMMA18, BB12, CFRSSR19, DLH+20, FLL+13, GH20, GSKJ18, HM20, HTB19, HLBZ20, IKU15, IPRS21, KDK20, KTB17, LZC+16, MNB24, MAK18, MHM19, NZH20, PC21, PVRR14, Pon19, uRQS20, RK16, RH17, RT18, RK18, RJK+17, RGS+20, SBI21, SHR19b, SBNU18, SS19, SM23b, WCY+17, WHW20, WTLS+09, XLQL18, XXWG23, SHR19a]. **centralized** [Fis91]. **centric** [AAMBE21, PAKY16, SBBP20]. **Certain** [Han73, JHS12]. **Certains** [Han73]. **Certified** [Khn09, IIPB09]. **CéU** [SIR+17]. **Chain** [EMAL17, GR20, HJG18, LW20, MTFK19, MSC+21, RH17]. **chain-based** [RH17]. **chained** [TSN+23]. **Chaining** [AP22, GGK18, KBK+21, LLW+16,

LYL21, MP16, WCC20, XZL+20, GHM+18, LKR+19, SHB19, TSCB19]. **Chains** [FBM+21, JWL+18, KLLT18, LGXC23, PHXL19, ZLZ+21b, NRS92, RHR20, XHW+19, YXL+20]. **challenge** [STMV18, Sam22]. **Challenges** [ARA20a, AFG+17, AP22, Cap21, Car23, JW17, KK19, MZ20, Nie12, SCC+23, SABL20, SG10b, AEB19, BCZ19, CM18, FJKK17, JAC+19, LDDT12, MA10, MA17, PCB+18, TIIN09, ARA20b]. **change** [ZL13]. **Changing** [Mac79]. **Channel** [LGR14, PF23, TTH+19, LF19, MN03, WXW15]. **Channel-aware** [PF23]. **Channels** [Hu90]. **characteristic** [CJJ+22]. **Characteristics** [SHW+15, CWC+14, CCW+20]. **Characterization** [AMA+14, CGS06, DS09a, IEE02, IEE03, NASD21, ACM06c, RVJ+01, SSB+16, TSN+23]. **characterize** [LJN+00]. **Chatten** [Joo06]. **Cheat** [Rul07]. **checking** [BHSB14]. **checkpoint** [BBHL08, EBLM22, GPS+18]. **checkpoint/restart** [BBHL08, EBLM22]. **Checkpointing** [ECJ+16, ZLW+19b, PEL11, SGV12, TSLBYF08, dSOK17]. **checkpointing-enabled** [SGV12]. **chemical** [KK21]. **Cherub** [JCZZ13]. **Chez** [FDD+19]. **Chicago** [ACM05d]. **Chicken** [PS23]. **Chip** [GGM+16, Mon97]. **Chips** [FRD+08, IEE97, IEE99, IEE96a]. **Choices** [NGRF19, XDLS15, Ano93]. **chromatin** [MFT+19]. **CICS** [R+13]. **circuit** [Bur02, KKC+16]. **Circuits** [NLD+23]. **Cities** [AEA+23]. **clairvoyant** [KS18b, ZLW+19a]. **Class** [LCWB+11, LB98, Pat12, SS17, Won97]. **classes** [Bor07, OKAM17, Skr01]. **classical** [SGS92]. **Classification** [VLZL16, CWC+14, YSM+21]. **classification-based** [CWC+14]. **Cleancache** [VTW16]. **CLI** [ECM01, ECM02, ECM05, ECM06, Int06b, Int06c, Int06a, Fra06, Fra09, Hee07, Hog06, Hog08, Siv07, SNS03, Vog03, Wil06]. **CLI-based** [Vog03]. **Client** [RSW+06, DPW+09, HIIG16]. **CLIP7** [Lau87]. **clock** [DCA17]. **Clones** [ZCJ+21]. **Cloning** [LCWB+11]. **Closing** [ZLHD15]. **Cloud** [AJ18, AVNR19, AAAF21, AAR22, AGC18, AD18b, ASSB18, BB13, BLMP22, BCW20, BHEP14, CWL12, CPKL17, CFM17, Cap21, CPS17, CZX+19, CTP+17, DSM+18, DKW15, ETAB22, ELC+19, FBL18, FFM+23, GB19, GLS15, GSW+17, HMH17, HKLM17, HW12, JE12, JQWG15, JW17, KC16, KKE19, KSVR23, KCY22, KMM13, KAZS14, KK19, LCWB+11, LKIL19, LGR14, LGJ+18, LSSC22, LLWM23, LZY+24, LW12, LH15, LWZ+18, LS15, MSG14, Man15a, Man16, Man18, MJW+14, MSLY24, MZ20, MPA+18, MB20, NLPV12, NSJ12, NHL22, PJZ18, PHXL19, PCW+16, PXG+17, PS16, PCC+16, PG17, PG18, RSNK17, RSGG15, RWX+12, SL14, Sar16, SJS+17, SC18, SZW+16, SV13, SB18, SXCL14, TB17, TVKB16, TMMVL12, VGL23, WDL+20, WZH+16, WVT+17, WUNK17, WUK+18, WLS+18, WTM18, XSC13, XWJX15, XLL+14, XLJ16, XLWX19, XLL+20, XRL+22, YLN+17, YP15, ZDK+22, ZDS+22, ZQCZ16, ZL16]. **Cloud** [ZCG+17, ZL18b, ZLZ+21b, ZWL+18, ZB20, ZHL16, ZLW18, ARA18, AD19, AJBJ23, AGH+15b, AGH+15a, AHRR22b, ATZP21, ADA+19, AB16, AO16, AMA+14, ATS16, AMAB17, ARMMA18, AP18, AEB19, AA18, AAC+17,

BB20, BD11, BTMS10, Beg12, BMF23, BCC+15, BRS+22, BSNB20, BFS+18, CSMB15, CL14, CEPR22, CSSS11, CCL+20, CLL+23, CBFH20, DL19a, DS18, DC15, DEG+17, DQLW15, DLH+20, DHD20, DCMW17, DS22, EYG21, FLL+13, FAA17a, FAA17b, FS19, FA21, FPGK18, FMIF18, Fro13, GGQ+13, GTGB14, GDSA+17, GH20, GLK+12, GKJ+19, GA18, HKS19, HZL+18, HTB19, HAK22, HLBZ20, HS13, Hui18, IRB19, IKU15, JES+15, JWH+15, JC18, KN18, KDK20, KBDK22, KSS+20, KB21, KSS+23, KS20a, KSO+15, KSRL10, KS18a, KMT14, KTB17, KK21, KCS14, KJLY15, KCKC15, LLW+12, LZWC13, LZWD15, LZC+16, LLF+18, LLWW18]. **cloud** [LCL14, LLS14, LL14, LTZ+14, LPZ+22, LP11, LPBB+18, LY23, MR23, MNB24, MK22, Man15b, MNA16, MK19, MK23, MMTM22, MW18, MA21, MA17, MHM19, MA19, MPM+20, MMG+18, NZH20, NNK21, NAR19, NS17, Nie12, NIA18, dOL12, OL13, PKS+19, PAKY16, PM19a, PDM20, PFPJ18, Pon19, PS23, uRQS20, RK16, RKT20, RGAT18, RH17, RHR20, RG19, RWC21, RT18, RQD+17, RK18, RJK+17, Ros14, RGS+20, SZKY21, SSG+20, SBI21, SHR19a, SHR19b, SG10a, SEM+20, SGV13, SM23a, SASG13, SSEA18, SM23b, SBP+17, Str13, TZK17, TMLL14, TDD20, TUM18, VT14, WCY+17, WGY20, WB16, WLL+13, WRSvdM11, WRS+15, WXW15, WCZ+23, XHL+13, XZZ+16, XTB17, XLWZ18, XZK+20, XA22, XXWG23, YLH14, YLHJ14, YLCH17, YW20, YJZ+21, YBZ+15, YWH+23, YRJ18, ZWKX17, ZYZ+18, ZLZ13, ZWHC17, ZHHC17, ZWC+19, ZFL+23]. **cloud** [ZWH+17, ZYLY18, ZSRR22, BB12, CD14, CFVP12, CMG+19, KKB14, KBB11, KMG+18, XYYY17, SJL20]. **cloud-assisted** [ZYZ+18]. **Cloud-Based** [Cap21, WLS+18, BLMP22, MPA+18, BSNB20, XYYY17]. **cloud-computing** [ZLZ13]. **cloud-distributed** [AB16]. **Cloud-Edge** [KSVR23]. **cloud-Internet** [KB21]. **Cloud-of-Things** [CMG+19]. **cloud-oriented** [Beg12]. **Cloud/Virtual** [YP15]. **ClouDiA** [ZLV+12, ZBS+15]. **cloudlet** [YBZ+15]. **cloudlet-based** [YBZ+15]. **Cloudlets** [RSN+18]. **CloudMon** [WLLZ16]. **CloudNet** [WRSvdM11, WRS+15]. **Clouds** [AD11, CRZH15, ESY+17, HTB22, HKM+18b, HLPY16, HKKW13, HS21, KMK16, KDB16, KPHA20, Kov19, LWLL10, LLZ18, MLXG19, NMG15, OG16, OSK15, RG17, RB17, SBBP20, SDS+21, SCL+19, WZL15, WLLZ16, WHD+16, WWL+17b, XCSM18, YWY+17, ZHW+17, ZRZY15, ASB18, BB15, dCCDFdO15, DXM+17, FBZS12, FGG14, HZZ+14, KMK10, KR16, LMV12, LBZ+11, LWLL16, LLZ+19, PPO14, QXH18, RCTY19, STMV18, SYMA17, TSCB19, VSMC23, XJWW15, ZG13, ZLH+15, ZLW+19a, ZB18, ZLV+12, ZBS+15, EMS15]. **Cloudscheduler** [BCW20]. **Cloudsim** [OBSR16]. **CloudSimSDN** [SHB19]. **CloudSimSDN-NFV** [SHB19]. **Cluster** [CL16b, GKSP99, LWZ+18, SEF+06, TLC06, ZCG+17, FLCB10, KJLY15, LJL12, SBP+17, SSN94, WDT18, WLG+11, XLQL18, YLHJ14, YCL+18, GWZ16]. **Cluster-Aware** [ZCG+17]. **cluster-based** [FLCB10]. **Clustered** [DJS+17]. **Clustering** [ARAAA19, XZZ+16, ZWHC17, LQD+18]. **Clustering-based** [XZZ+16]. **Clusters** [CHPY17, GSW+17, LZ15, LWW16, PXG+17, WIS+15, YWCF15,

ZLW+14, AO16, CP17a, Fu10, HCJ07, KOY05, KS18b, PRS16, RHR20, SJJ+12, ZWKX17]. **CMD** [CWC+14]. **CMI** [MPM+20]. **CMS** [SNC91, IBM96]. **CNC** [Lia05]. **Co** [DCG12, HS06, LGJZ16, LH16, SOAK23, WIDP12, CCW+20, LF19, OG16, Wu13, YWGH13, Yu20, THB22]. **Co-Design** [LH16]. **Co-Designed** [HS06, DCG12, Wu13]. **Co-evolution** [WIDP12]. **Co-Located** [LGJZ16, SOAK23]. **co-location** [OG16]. **Co-Location-Resistant** [THB22]. **co-resident** [LF19]. **co-scheduling** [CCW+20, YWGH13, Yu20]. **COBOL** [IBM88, Int88, TT96]. **Cocoa** [YLN+17]. **Code** [AC98, CDN02, Dom80b, Fra83, GFH82, GHF83a, GHF83b, RJK16, VGF16, WKJ20, WNL+83, Ano15, DNR06, EL98, FC98, FCG+05, HK07, HLW+13, JM08, NG13, PV08, tTR82, UTO13, WKJ17, WGF11, Cox12]. **code-copying** [PV08]. **Coded** [ZLL+20]. **Codesign** [KAJW93]. **CodeWeavers** [Ano03b]. **Coding** [CFLL19, Hsu01, IMBB20]. **Cognitive** [SN23, ZYZ+18, AAJD+16]. **Coherence** [YVCB17, YVCB18]. **coherent** [LKY+17, ZP14]. **COISA** [AMB+17]. **Cold** [BZD17, BBTK+17, WGF11]. **collaboration** [GLQ+13]. **Collaborative** [Cap21, FXL+23, IEE06a, XWH+16, ZCG+17]. **Collecting** [DS16]. **Collection** [ADM98, Ano03b, BS90, HPHV17, SHB+03, URJ18, BOF17, DEE+16, PBAM17]. **Collection-Oriented** [BS90]. **collections** [BDT13, SV15, SV17]. **collective** [SEM+20]. **Collector** [GTS+15, WK08]. **Collectoren** [Sch13a]. **collectors** [Sch13a]. **colocation** [WTLS+09]. **Colony** [AAK18, PAC+22, AP18, FS19, GGQ+13, ZFL+23]. **Colorado** [USE00b]. **Comandos** [CTS+93, MC93]. **Combat** [Cap21]. **Combating** [GG11]. **Combinatorial** [HMH17, ZG13]. **Combining** [BPP+17, MK19, RSLAGCLB16, YJZY12]. **COMMA** [ZNSL14]. **Commandos** [MC93]. **Commodity** [KLK+22, RTL+18, Ros99, ZTWM17, BK14, CGL+08a, CGL+08b, CGL+08c, CLDA07, TLBW12]. **Common** [CK87, Cro93, Int05a, Int05b, Int06a, ECM01, ECM02, ECM05, ECM06, Int06b, Int06c, Int06a, MR04, PW03, RSF03]. **communicating** [KDK20, SK13c]. **Communication** [AAT+22, CL17a, CK06b, CK06e, DJ77, GGM+16, HW15, Jen79, MTFK19, RLZ+16, YC98a, YC98b, BML+13, DSC+08, DJ76, GI12, Kip21, Tho93]. **Communications** [NKK+06, CFVP12, HSC15, MN91]. **communities** [ACM04b]. **Community** [FMJ15, Var91, AAB+05a]. **Community-based** [FMJ15]. **compact** [AMB+17]. **compaction** [WK08]. **companies** [STMV18]. **Comparative** [LJL+15, EYGS19, Van98]. **Comparing** [Gal11]. **Comparison** [Do11, EDS+15, Ng01a, Ng01b, QNC07, AA06]. **Compatible** [ZFL15]. **compensation** [XNH21]. **Competition** [CRZH15]. **Competitive** [BFG+14]. **Compilation** [ACM06b, Cla97, FM90, JK13, KS13]. **compile** [RAT17]. **compile-time** [RAT17]. **Compiler** [GFH82, Har77, FS89, YC16, THL03]. **Compiling** [BS90, BSUH87, Ode87, Wak99]. **Complete** [Bod10, Fis09, LJN+00, RRB17, War02]. **completion** [MNT14]. **Complex** [KAZS14, Sig89]. **Complexity** [SSH17, SP22, Bod88, FS08, GLK+12, Sub08].

**Compliance** [HC18]. **Compliant** [CF00, HWCH16, LDRS18]. **Component** [Ano03b, BSNB20, WML02]. **Component-aware** [BSNB20]. **Components** [PM19b, HPHS04, IKU15, VWT13]. **Composable** [JHE14]. **compose** [RGS+20]. **Composed** [Wel94]. **Composite** [DKW15]. **composition** [PFNC20]. **compositional** [Yel99]. **compound** [VMBM12]. **Comprehensive** [AP22, AEA+23, HSN17b, LV99, PCW+16, PS19a, TFtLcC15, GP13, MFT+19, MA17, NMC18b, NMC18a, RHR20, YWL+18]. **compressing** [JDW+14]. **Compression** [HKKW13, SHTE11]. **compromise** [CD01]. **CompSC** [PDC+12]. **Computatio** [HW93]. **Computation** [MTFK19, RWC21, CMP+13, CKP+93, KJJ+16]. **Computational** [MB20, THLK10, Wün13, YQZ14]. **Computations** [TDMP23, Kra90, NOR15]. **Compute** [GSW+17, KL13]. **Computer** [ACM81, ACM06d, Ano93, Arm78, BGS89, BG74, CCO+05, DM75, Gol73c, Hsu01, IEE85, IEE90a, IEE91, IEE05, Nel04, PBR+90, SS75, SI81, Tho73, Tur92, WR07, WR08, ZR06, Ågr99, BR01, DG05, DTW07, DCA17, FFB+00, GE85, GD08, Hog02, Jou85, Juo07, KW80, LBP+07, ME87, MS01, Pou90, Ros06, Skr01, Spi06, SS72, Sus76, WO75, YYPA01, Yur02, Mon97, Osb01, War11]. **Computers** [BP99, BKMM87, BS90, KD78, MSS+15, Say67, HP77, SGGB99, SGGB00]. **Computing** [ACM98, ACM04b, ACM05b, ACM06e, Abr80, AAMBE21, AGC18, AD18b, BMJ+22, BCW20, BHEP14, CWL12, CPKL17, CFM17, DDS+94, DPCA11, Gei02, GB19, HCB18, HW12, IEE96b, IEE04, IEE06a, IBBA20, KC16, KGZ+04, KK19, LCK11, LGXC23, LW12, MSG14, MZ20, MO98, NLPV12, NSJ12, PCW+16, PXG+17, PLZ20, PS16, RCM+12, RSNK17, RSN+18, SCSL12, SZW+16, SEF+06, SB18, TLC06, USE93, Vog03, WDL+20, WB81, WCC20, WTM18, XSC13, YLN+17, ZL18a, ZL16, ZZF06, ZAI+16, ZD18, ZB20, ADA+19, Ano96, AMA+14, ARMMA18, AEB19, BB20, BMF23, BS96, CD14, CMGI+23, CDM+10, CCL+20, DQR+13, DS18, DHD20, DCMW17, FGZC23, Fis91, FF96, Fro13, Fu10, GGQ+13, GLA+08, HKS19, HKJ19, HAK22, Hui18, JC18, JPTE94, dCJR16, KHL17, KSO+15, LBZ+11, LLW+12, LZC+16, LCL14, LTZ+14, LP11, LPBB+18, LFHS23, LY23, MB21, MNA16, MK19]. **computing** [MK23, McG72, McK11, MFT+19, MUKX06, M+06, MA21, MA17, MA19, MMG+18, NRdA+20, NAR19, NIA18, PSZ+07, PM19a, PDM20, QZDJ16, RNA+22, RKT20, RGAT18, RHR20, RWC21, RHZ+17, RQD+17, Rob06, SSG+20, SBI21, SEM+20, SM23a, SJW+13, SASG13, SSEA18, SB10, SHB19, Str05, TMLL14, TMJ+21, VGL23, WGY20, WH08, XTB17, XLWZ18, XA22, YRJ18, ZLZ13, ZWHC17, ZLZ+19a, ZYLY18, ZSRR22]. **con** [SMSB11]. **Concept** [AH68, Mad69, SIJPP11]. **Concepts** [PPTH72, Ågr99, Don88, MS01]. **Concerning** [Ker15]. **Concerns** [PM19b, VN08]. **concolic** [LLS+12]. **Concurrency** [HTB22, MD12, CFS+12, Sub11, UR15]. **Concurrency-Aware** [HTB22]. **concurrency-safe** [CFS+12]. **Concurrent** [GMP89, Har77, KD78, IT86, WK08, YWGH13]. **concurrently** [SLC20].

**Conditioned** [WC01]. **Conference** [ACM81, ACM90, ACM96, ACM97, ACM00, ACM01b, ACM04b, ACM05d, ACM06a, ACM06b, ACM06f, Ano93, Ano99b, Ano01a, Ano02, Ano04a, Ano06a, BW03, DC15, IEE84b, IEE93a, IEE05, LCK11, Mar81, MS91b, MR91, Sof83, SS05, Shr89, USE99, USE00a, USE01a, USE01b, USE06, ACM05c, ACM06e, IEE06b, JPTE94, USE85, USE86, ACM00, IEE85]. **Confidence** [AHRR22a]. **Configurable** [WJGA12]. **Configuration** [BRX13, Lar09, A+04, FL13b, SMA+10]. **configurations** [LDL+08, RGS+20]. **configure** [Car14]. **Configuring** [AL05, Rul07]. **Confirmation** [MTFK19, OG16]. **conflict** [BLRC94]. **Conflicts** [KPHA20]. **conformation** [MFT+19]. **CoNFV** [ZSP+21]. **Congestion** [CL16b, GR20, LYS+18, PHC20, YLH17, ZWC+14]. **Congestion-Aware** [PHC20, YLH17]. **Congress** [GHH+93]. **conjugate** [MM92]. **Connected** [SMES01, MS00]. **connection** [MJ93, Tur84, XJW+18, TR88]. **connections** [FBZS12, Ker15]. **connectivity** [TZB19, VOS12]. **conservation** [RK16, TDG+18]. **Conserving** [DP11]. **Consider** [SC18]. **consideration** [YGLY21]. **Considerations** [GR20, G+05, ZJRW19]. **Considered** [NMHS15, WC01]. **Considering** [XLWX19, LTZ+14]. **consistency** [FRM+15, LC14]. **Consistent** [DJS+17]. **Consolidated** [HC17, HPP15, JJK+11, KKJL14, OL13, SS13, ZLL+16]. **consolidating** [BJ22]. **Consolidation** [AJ18, AAK18, BB13, DCM22, HO22, HW12, LVM16, MAK18, PZW+07, SBK15, XCSM18, XLWX19, YWW+15, ZDK+22, ARA18, ARA20b, ARA20a, AGH+15b, ATS16, AMAB17, AP18, BB12, BB15, BJG19, BJ20, BRS+22, CD14, CSSE21, DLH+20, DHD20, FAA17a, FAA17b, Fro13, GPR23, GKJ+19, HM20, HMH17, HZZ+14, HH19, HLBZ20, IRB19, JFZL17, JYOB18, gKEY13, KS20b, KCV11, KR16, LZC+16, LBL16, LYYY17, LYYY18, LLWW18, LYY+20, LL14, LWCZ22, LQD+18, LY23, LDDT12, Man15b, MA19, NZH20, NTH+17, PC21, RT18, R+02, SENS16, SHR19a, SHR19b, SBNU18, SSN12, TDD20, VGL23, WCC+16a, WCZ+23, YWH+23, YRJ18, ZLCZ18, ZSRR22]. **consolidation-aware** [WCC+16a]. **constituent** [RHR02]. **Constrained** [EGR15, LTE12, TV18]. **Constraint** [LFBB94, DQLW15, HH18, LYYY18]. **constraint-based** [LYYY18]. **Constraints** [AD18b, BB13, FML+22, KKS12, SJ21, LLZ+19, NZH20, SZ13]. **Constructing** [DM93]. **Construction** [BJPS73, XYYY17, YCL+18]. **consumer** [PAKY16]. **consumer-centric** [PAKY16]. **Consumption** [DSM14, HKM+18b, MV16, FAA17a, FAA17b, FFB+00, KSS+20, KSS+23, DPBK16, RJK16, SMSH18, THG+18, TUM18, VED07, VWT13]. **Container** [ECET18, HO22, QCM+24, SPF+07, YLN+17, ZTA+21, ZB20, ZLW18, CMG+19, GKP+19, Ker15, MG19, SG10a, Str13]. **Container-Based** [ECET18, YLN+17, HO22, QCM+24, SPF+07]. **Containerization** [HSL17]. **Containerized** [HSL17]. **Containers** [Kov19, Ran20, SCA+24, ZXR+22, BJ22, DSS19, DL19a, MK19, MK23, MFT+19, Ros14, SMSH18, SLC20, WGW+18]. **Containment** [CLW+14].

**Content** [CWH+16, FLZ17, LYS+18, MSC+21, GVI13, HKN22, LLF+18, LLWW18, XJR+17]. **Contention** [JQWG15]. **Contention-Aware** [JQWG15]. **contents** [BTLNBF+15b, BTLNBF+15a]. **Context** [DMG+15, LCMV17, TMV12, ZL18a, vLSM01, HB13, SSB+14a, SM01]. **Continuous** [DL89, TSLBYF08]. **Continuum** [Bad87, MSLY24]. **Contract** [FZD+24]. **Contraction** [Par79]. **contracts** [ZBS+22]. **Contribution** [Han73, ABB+19b, Han73]. **Control** [Aln22, AGLM91, Att79, CFLL19, CL16b, Com65, Cre65, DL19b, GGK18, HS19, HHC+16, LZ15, LGJZ16, LXL+22, PSBG11a, RSNK17, RSN+18, Sch94b, Sch94a, SDD+16, Sur01, WJ10, WUK+18, WN17, WSAJ13, WLCS17, Zyt94a, Zyt94b, AS76, AMIA19, BKH+06, FP14, HB08, Kee68, Kis08, KKS12, Lia05, Olb78, PSZ+07, PSBG11b, PSC+07, STS+13, XHW+19, ZBG+05, ZSW+06]. **Control-Flow** [WJ10]. **controlled** [KK79, Sto07]. **Controllers** [AMH+16, SDM21, CWG00]. **Controlling** [HSK17, BKC+13]. **convection** [BB95]. **Convention** [Ano93]. **Conventional** [Mad69]. **converged** [DPW+09, SJL20]. **Convergence** [RM03, KKK+18]. **Conversion** [GBO87, IBM94, YTY00]. **convex** [SJRS+13]. **convolution** [QBL+23]. **Convolutional** [EVCL21]. **Cookbook** [Car13, Car14, G+06, P+08, TH10]. **cooling** [ARMMA18]. **Cooperative** [KJL11, RIP18, GLLJ16]. **Coordinated** [BRX13, LZ15, CRB12, HH18, KKJ+13, NS07, BBMA91, MSS91]. **Coordinating** [LH15, ZNSL14]. **Coordination** [ABV12, CRG16, Tho93]. **COOTS** [USE99]. **Copley** [USE01a]. **Coprocessor** [LRZ16]. **Copy** [AGJS16, LSC+17, ZCJ+21, HDG09, LXRS19]. **Copy-on-Abundant-Write** [ZCJ+21]. **copy-on-write** [LXRS19]. **copying** [PV08]. **CORBA** [GCARPC+01]. **Core** [JYM+23, KR18, RTL+18, CMP+07, DQR+13, JAD19, KW13, PNT12, SK13b, SWH+13, YTS14]. **Corel** [Ano03b]. **Corfu** [DJS+17]. **Corner** [Sch94b, Sch94a]. **correct** [DM93, IM75, Kou11]. **Correction** [ARA20b, Lee16, LCL+23a, NMC18b, SHR19a]. **Correspondence** [BDJdS02]. **CoShare** [WTJR22]. **Cosmology** [Nel04]. **Cost** [AMA18, AMH+16, CZX+19, EVCL21, HKS19, HKM+18b, VS19, WDL+20, XLWX19, ZB20, ADA+19, Dre08, KJM+07, LBZ+11, MMTM22, NMC18b, NMC18a, OMB+15, SJRS+13, WCY+17, YRJ18, ZLZ15, ZLW+19a]. **Cost-Aware** [EVCL21, YRJ18]. **Cost-Effective** [VS19, HKS19, MMTM22]. **Cost-Efficient** [AMA18, CZX+19, ZB20, OMB+15]. **Cost-Performance** [WDL+20]. **Costs** [ZHW+17, FLL+13]. **count** [XWX+17]. **counter** [NB11]. **Counteracting** [VT14]. **Coupled** [WN17]. **Coupling** [BJPS73]. **course** [AL05, Don88]. **courses** [BBS06, GD08]. **Cover** [Arm98]. **Coverage** [CSS+16]. **Coverage-directed** [CSS+16]. **covert** [WXW15]. **COVID** [Cap21]. **COVID-19** [Cap21]. **CP** [Bar73, Com82, Par72]. **CP-40** [Com82]. **CP-67** [Bar73, Par72]. **CPS** [CCL+20]. **CPU** [ASB18, BSSS14, GKJ+19, HB08, JGW+11, Kam13, LWC+17, PDL+23, Skr01, SK13c, TSN+23, VWT13, WGLL13, Yu20]. **CPU-bound** [TSN+23]. **CPU-intensive** [GKJ+19]. **CPUs** [vSMK+20]. **crash** [KY16]. **create** [Fit14]. **creation** [CK06b, CK06e]. **Credit** [KP15, KCS14]. **Credit-Based**

[KP15]. **Cricket** [EBLM22]. **crisis** [AT16]. **criteria** [ATS16]. **Critical** [Ano15]. **Criticality** [WLMD16, LWM14]. **Crop** [UBF+98, BDF+98]. **Cross** [GAHL00, GSS+18, JR02, JXL+12, SWF16, SKT+19, WLW+15, WCC16b, WBHN18, AWR05, BKC+13, PKS+19, CWH+14]. **Cross-Architectural** [JR02]. **Cross-Architecture** [SWF16]. **cross-cloud** [PKS+19]. **Cross-ISA** [WLW+15, WCC16b, CWH+14]. **Cross-Language** [GSS+18]. **Cross-Layer** [SKT+19]. **Cross-organizational** [GAHL00]. **Cross-Platform** [JXL+12, WBHN18]. **cross-run** [AWR05]. **cross-thread** [BKC+13]. **crossbars** [JAC+19]. **Crosscut** [CLG+10]. **CrossFlow** [GAHL00]. **CrossOver** [Ano03b]. **Crowd** [SML18]. **Crowd-Sensing** [SML18]. **cryptographic** [QZDJ16]. **cryptography** [RY10, VDO14]. **CSDA** [War11]. **CSDP** [War11]. **CTO** [Cre08a, Cre08b, Cre09, Cre10b, Cre10a]. **cuckoo** [SBI21]. **CUDA** [EBLM22, MGL+17, PRS16]. **cultural** [MHM19]. **Current** [AH12, BDG18, RG05]. **Curse** [HB14, Kot10, NGRF19, Kot11]. **Customer** [PPO14]. **Customer-oriented** [PPO14]. **customisable** [BNS18]. **Customizable** [LJFS17]. **Customization** [PCC+16, CGV10]. **customized** [CSMB15, HB13]. **CVA6** [SVM+23]. **CVM** [DSC+08]. **cyber** [PTD+18, XZK+20]. **cyber-physical** [PTD+18, XZK+20]. **CyberGuarder** [LLW+12]. **Cybersecurity** [Ott18, ADWM18].

**DADTA** [ZLCZ18]. **DAI** [AKK+07]. **Dalvik** [YC16]. **damn** [B+07]. **Dana** [Ano10]. **Dancing** [DLX+17]. **Daonity** [CCMY07]. **Dark** [Fer11]. **Darling** [MR91]. **Dartmouth** [Lee86]. **Dartmouth-Smalltalk** [Lee86]. **Data** [AJ18, AAAF21, Aln22, AGC18, Att73, BFHW75, BB13, BC19, CL17a, Cap21, CGC16, CTP+17, DY17, EGR15, ECET18, FML+22, FL13a, GTS+15, HTW+19, HO22, IEE84b, JFPL16, KP15, LMM18, LVM16, LLWM23, Man15a, Man16, MMdE19, Nel04, PCC+16, SB16, UVL+13, WKJ20, WZH+16, WN17, Wel94, WTM18, XWJX15, YLH17, YWW+15, ZDK+22, ZHL16, dSdF16, vSMK+20, ARA18, ARA20b, ARA20a, AKK+07, AD19, AJBJ23, AGH+15b, AGH+15a, AHRR22b, ATZP21, ATS16, AMAB17, ARMMA18, BK14, BB12, BDE+03, BOF17, CKRJ17, CLL+23, CFS+12, Cla05, CFRSSR19, DLH+20, DXM+17, FLL+13, GE85, GH91a, GH20, GSKJ18, HM20, HN08, HKB19, HTB19, HLBZ20, HUWH14, IRB19, IKU15, IPRS21, JFZL17, JYOB18, KDK20, KBDK22, KTB17, KJJ+16, KSLA08, KB17, LDL14, LZW+15, LZC+16, LRP+19, LMDP19, MNB24, Man15b, MAK18, MRM06, MBM09]. **data** [MHM19, NZH20, NTH+17, PC21, PVRR14, PRB07, Pon19, uRQS20, QXH18, RK16, RH17, RT18, RK18, RJK+17, RGS+20, SZKY21, SBI21, SHR19a, SHR19b, SBNU18, She91, SS19, SM23b, TSLBYF08, TDD20, VOS12, WKJ17, WDCL08, WZV+13, WCY+17, WHW20, Wol99, WTLS+09, WCG14, XXZ13, XHW+19, XLQL18, XXWG23, YPLZ17, YGLY21, YLJ22, ZLZ+19b, ZWH+17]. **data-control** [XHW+19]. **data-flow** [GE85]. **Data-Intensive** [WZH+16, JFZL17, QXH18, SZKY21]. **Data-Oriented** [ECET18]. **data-parallel** [She91]. **DataABC** [JFZL17]. **Database** [WK90, BBS06, CSSS11, ECAE13, MN91, MRC+13, PTM+15, SI81, SMA+10].

**databases** [GDSA+17]. **Datacenter** [BBM+15, CFLL19, KGGS17, BCP+08, EYG21, GTGB14, MSG+12, SG10b, ZLZ15, ZWC+14]. **datacenter-scale** [MSG+12]. **Datacenters** [FXL+23, IBBA20, JWL+18, KGGS18, KL14, LGJZ16, LGJ+18, LCZ+19, LW20, SC17, SC18, GLLJ16, KK21, LPBB+18, WRS13]. **Dataflow** [HT98]. **Datapath** [TSP17]. **Dataplane** [BPP+17]. **DAVmS** [MA21]. **DBMS** [AY24]. **DBMS-Assisted** [AY24]. **DBT** [KS13]. **DCN** [CYX+17]. **DDG** [PGLG12]. **DDG-based** [PGLG12]. **DDGacc** [PGLG12]. **de-duplication** [CLcC13]. **de-facto** [Rus08]. **dead** [SK13a]. **Deadline** [AD18b, DQLW15, HKS19]. **deadline-aware** [HKS19]. **deadlocks** [PRB07]. **dealing** [BG20]. **deallocator** [GPS+18]. **Death** [NOT+17]. **Debian** [CK06a, CK06b, CK06k, CK06q, Bau06a, CK06a, CK06b, ZMD+21]. **Debian-based** [ZMD+21]. **Debues** [Ano03b]. **Debugger** [MZG14, RB01, Sun99, But94, HH05]. **Debugging** [ACM05a, FS12, HHH04, AKCP21, Cia07, IMBB20, JHE14, KM13a, KM13b, KK79, PMC05, THL03]. **decades** [IMBB20]. **December** [ACM05b, HHK94, IEE05, M+06]. **decentralised** [STMV18]. **decentralized** [AJBJ23, HPS23, XJR+17, ZBS+22]. **Decision** [CHW12, DJ77, SC17, CFRSSR19, DJ76, FA21, RK18]. **decision-making** [FA21]. **Decisions** [HKKW13]. **Declarative** [CRG16, Dan86]. **decoding** [SPAK18]. **Decomposition** [JK15]. **decreasing** [BY20]. **dedicated** [GLV99, KOY05]. **Deduplication** [Li14, MJW+14, PP16, CWC+14, GMK17, HOKO14, LF19, SSG+20, XZZ+16]. **Deduplication-Based** [MJW+14]. **Deep** [Che21, KSVR23, MSC+21, ZDS+22, GKT17, HcC14, MK22, QBL+23]. **deeply** [TMJ+21]. **defending** [CVWL13]. **Defensive** [BDJdS02, Coh97]. **Defined** [AFG+17, CL17a, CPKL17, CMK+16, FXHY21, FML+22, JN15, LLW+16, LXZ+21, MP16, Ott18, Pap20, SN23, SB18, SKT+19, TBS17, YWH+21, ZKWH17, ALW15, DS19, HHSG18, LJR12, LWL16, TK20, XJW+18]. **Defining** [DL89, Hir17, Lot91, BMWB86]. **Definition** [Dom80b, SSB14b, SMO84, EMS15, SSB01]. **Definitive** [Oak14, Chi08]. **Defragmenting** [SGV13]. **degradation** [BJ22]. **Degree** [GB19, KMM13]. **DejaView** [LBP+07]. **Delay** [RSNK17, RKRK17, WCY+17, ZRS+16, HH18, LCL14]. **Delay-cost** [WCY+17]. **delay-sensitive** [LCL14]. **delegated** [CLM+22]. **Delivery** [FLZ17, MSC+21, TFtLcC15]. **delta** [SHTE11]. **Demand** [CWL12, KKJ+13, MSS+15, SC18, SEF+06, ZZF06, DEG+17, J+05, JCZZ13, LZW+15, SGV13]. **Demand-based** [KKJ+13, SGV13]. **demands** [BG20]. **Demon** [XYD+18]. **Demystify** [ZYH+19]. **Demystifying** [PS19a]. **Denelcor** [Dun86]. **denotational** [Arv02]. **Denver** [USE00b]. **Deoptimization** [KRCH14]. **Dependability** [FP14, VW08]. **Dependable** [DPCA11, SJW+13]. **dependences** [BKC+13]. **Dependent** [BP99, BB17]. **Deploy** [Kol19, XHW+19, CSMB15]. **deployed** [RY10]. **Deploying** [KLLT18, R+13].

**Deployment** [FBM+21, LXZ+21, MSC+21, ZLZ21a, AAB+05b, Bor07, CGV10, LPZ+22, QBL+23, SASG13, WGW+18, ZLZ13, ZLV+12, ZBS+15]. **depth** [CBFH20]. **derivation** [MSZ09]. **Derivative** [Pfo13]. **derived** [Int06c]. **Deriving** [HWB03]. **Description** [Cre65]. **Design** [ACM06a, AC16, Ano03a, Ano03b, fLtNW14, ACA16, BKR20, BGS89, CLKEF21, CPS17, Clo85, DAH+12, Das91, Dom80a, DLS+01, ESY+17, GFB+92, JNR12, JJ02, KGGS17, KGGS18, Kut92, LH16, ML78, Mar73, Mar08, MNN05, NBS18, OH05, PP73, PDL+23, PCW+16, SVM+23, SIR+17, SGGB99, SGGB00, SJL20, SM02, Sur01, WC01, WCSG05, WP97, XCJ+14, ZSXZ07, ZL18b, ZAI+16, AM16, Blu02, BT15, Bur02, CARB10, Car14, DN14, DCA04, DNR06, GR80, HH05, HH13, JAC+19, Les74, Lia05, MSCK92, MRG18, Oi05, PMC05, PNM+20, Pul91, RGS+20, SI81, SNV10, SMSB11, SJW+13, Tur84, ZJRW19, CMP+07]. **Designed** [HS06, DCG12, Wu13]. **Designing** [Par79, PM19a, PDM20, TGCF08]. **DesignJet** [MSCK92]. **Designs** [DMS02, RGSJ17]. **Desktop** [Ano03b, BWD+15, KGG00, CCWY05, EM06, LLX+17, SWW+18, WH05]. **Desktopping** [JKB15]. **desktops** [KKJL14]. **destination** [HM20]. **Destruction** [NOT+17]. **Detecting** [CL14, CJJ+22, JKDC05, TV12, CWdO+06, LRC05]. **Detection** [CWS12, CLW+14, HTAY21, JHS12, LSSC22, SXH+19, AD18a, AMA+11, BSOK+20, FLM+08, Hui18, LF19, LMDP19, MW18, MA17, NS17, PDM20, PBYH+08, SIK+16, WCG14, XXZ13]. **detection/prevention** [MA17]. **detectors** [LMJ07]. **Determine** [BP99]. **Determining** [ZRS+16]. **Deterministic** [KD78, RTL+18, BB12, KM13a, KM13b]. **dev** [Fer11]. **Develop** [DBMI92]. **developers** [SS17, Wil06]. **Developing** [HZZ+14, PCR89, RHZ+17, Win71, R+13]. **Development** [IGBKR19, Kna93, LLWM23, Lia05, RT93, Wil01, Bor07, But94, CWG00, Her10, IBM88, Int88, STFH15, TT93]. **Device** [Ano03a, JKJ+10, KKTM17, Nou92, SGB+16, XYD+18, FFBG08, LU04, SBQZ14, TtLcC13, WHSE15, YWTC15]. **Devices** [CXLX15, KLK+22, MV16, MTJ+22, RC18, SSB03, SVL01, XD16, XD17, CMGI+23, CT03, DPW+09, PDC+12, Rus08, Wal76]. **Devirtualizable** [LSS04]. **devirtualization** [KJM+07]. **Devirtualizing** [HHS18]. **DevOps** [FBL18, SCL+19]. **Diagnosing** [MST+05]. **diagnosis** [PPO14]. **dialect** [BMWB86]. **Diego** [Ano10, IEE93a, USE99]. **dienste** [WF03]. **Difference** [GLV+09, GLV+10, Wal10, WBW+19]. **Different** [Nel04, PM19b, MFT+19, WCG21]. **differential** [CSS+16]. **Differentiated** [MSS+15]. **diffusion** [DM93, MM92]. **Digital** [MBK+92, TLBW12, vCPWvT11]. **dimensional** [BSSM08, HPcC04, ZMD+21]. **Dinamica** [FSFP19]. **DINO** [RSW91]. **Direct** [MO98, TFtLcC15, BLRC94, LC09a]. **direct-mapped** [BLRC94]. **Directed** [AJM+06, CSS+16, NG13, RP07]. **Directions** [AEA+23, FLZ+20, GB19, WC01, ZXR+22, NIA18]. **directive** [CPM+18]. **directive-based** [CPM+18]. **director** [KMK10]. **Directory** [BC19]. **direkt**

[LC09a]. **Dirty** [LZM+20, MZD+18]. **Disaggregated** [ASPP22]. **disaggregation** [SM23b]. **Disaster** [HS19, KKLV16, MTFK19, AAF+09, BGS13, RCOW12, Mar08]. **disaster-recovery** [BGS13, Mar08]. **Disclosure** [WWL+17a, FSH+13]. **Discourse** [MBWW86]. **discovering** [FBZS12]. **discovery** [PST15b]. **Discrete** [GLL+21, YP15, ZGL+17]. **Discrete-Time** [GLL+21, ZGL+17]. **Discussion** [G+01]. **Disk** [ECET18, WWL+17b, AAH+03, BC10, DSSP06, DP11, WTL+16]. **Disk-as-a-Resource** [ECET18]. **diskette** [Ano97a]. **disks** [HJ10, hTMAC+08]. **Dispatch** [DLS+01, KKC+16]. **Distance** [GPM21, KKLV16, AJD09, MA21]. **Distributed** [Ano10, BBD+91, BDF+99, CEPR22, CLLS12, Das91, FXL+23, FKZ17, FD08, HKLM17, IEE93a, IEE96b, JWL+18, JZY+22, Kim84, KMG+18, KAZS14, LLW98, LS15, MLXG19, PP16, PHXL19, SC17, SCL+19, SM02, TCP+17, Vol90, WB81, WIS+15, WVT+17, WLS+18, WN17, XWH+16, ZZF06, AC95, Ano96, AB16, AFT01, Bir94, EBLM22, EMI13, FS19, Fis91, FF96, FX06, Fu10, GKP+19, KTB17, KJJ+16, KSLA08, LC14, NS17, SJB14, SSN12, SGGB99, SGGB00, SIK+16, VOS12, WKC+09, XLQL18, YYC+19, ZWKX17, ZWHC17, ZB18]. **Distributing** [HHW10]. **Distribution** [Deu08, Vol90, ZKWH17, BTLNBF+15b, WRS13]. **Distrusting** [SOAK23]. **Diversity** [SJS+17, WGLL13, WHD+09]. **divisible** [HM18]. **DJM** [LLW98]. **DMVL** [THH+14]. **DMZ** [Kar07]. **DNA** [Ano03a]. **DNS** [See10]. **Do** [AZEE17, AZEE18, GW07]. **Do-It-Yourself** [AZEE17, AZEE18]. **Docker** [Boe15, BSNB20, BNS18, BRS18, DSS19, DL19a, Isl19, Ker15, MFT+19, SMSH18, Spa19, WGW+18, XJR+17, ZMD+21, ZTA+21]. **Does** [BC10, NKY+18, SMSH18]. **Dolly** [CSSS11]. **Domain** [GGM+16, HHV+02, KLF+15, WK90, BML+13, SWL+23, TK20]. **Domain-aware** [KLF+15]. **Domains** [PNT12]. **dominance** [CPST14]. **Dominant** [ARAAA19]. **done** [Han16, HUL06]. **Don't** [HHPV15]. **Dortmund** [Müh75]. **DoubleChecker** [BHSB14]. **Down** [JJ91, PBWH+12]. **Downing** [Ano97a]. **Downloading** [BC19]. **Dozens** [War11]. **DPMI** [GMR93]. **drafting** [MSCK92]. **Drive** [SYC14]. **Driven** [ACM05a, NSJ12, PY93, RB17, SV13, TVO92, XRL+22, CSSS11, DLX+17, EdPG+10, ZBS+22]. **Driver** [JXL+12]. **DriverGuard** [CDD13]. **Drivers** [Chu06, JKJ+10, Nou92, LU04, MSZ09]. **DRL** [ZDK+22]. **DRL-Based** [ZDK+22]. **DRM** [WIS+15]. **DRP** [Mar08]. **DSM** [JZY+22]. **DSM-aware** [JZY+22]. **Dual** [KPHA20, FL13b, XHW+19]. **dual-VM** [FL13b]. **Duality** [FS08]. **dummies** [Low08]. **duplication** [CLcC13]. **Durham** [Boa90]. **during** [JK13]. **DuVisor** [CLM+22]. **DVFS** [Kam13]. **DVM** [MSG+12, MSG14]. **Dynamic** [Abr80, AMAB17, BB13, BHI15, BFS+18, DHPW01, DMG+15, DHD20, FBM+21, GWZ16, GSN93, HTW+19, HLPY16, JWH+15, KKE19, Lee16, LLWM23, LB98, LJL+15, MR23, MP16, MDGS98, NMG15, PTHH14, PHXL19, QLL+21, RC18, RAP19, SZW+16, SDM21, TMLL14, TB17, TV12, Vac06, WWH+16, WCS09, XSC13, XCSM18,

XML+18, YLT+23, YLN+17, ZFL15, ZWL09, ABDD+91, AT23, ARMMA18, AP18, BK14, BB12, BB15, BZA12, BOF17, CSV15, CPST15, DS18, FAA17a, FAA17b, GAHL00, GPW03, HM20, HTAY21, HLW+13, HB13, IRB19, JK13, JYW+13, JC18, JK17, KRCH14, KJM+07, LMV12, LYYY18, LJL12, MRG18, Mly09, NZH20, NTH+17, PGLG12, PMP23, PBAM17, RH17, RRB17, SHR19a, SHR19b, SSEA18, THH+14, TK20, Tho73, WRSvdM11, WRS+15, Wu13, WWH+17, XWW+21, XH90, YWF09, vKF13]. **Dynamically** [MZG14, SML18, BLRC94, BDT13, FC98, HH13]. **dynamically-linked** [FC98]. **Dynamics** [MB20, YWCF15, ACT94]. **dynamo** [Hol95].

**E-Mail** [Joo06]. **e-Science** [SGV12]. **e-server** [A+04]. **Eagle** [KS18a]. **early** [HLW+13]. **early-exit** [HLW+13]. **Earth** [BC19]. **Ease** [Par79]. **EASY** [Fli77]. **eBay** [Joo06]. **ECI** [AMA18]. **ECI-Cache** [AMA18]. **ECMA-335** [ECM01, ECM02, ECM05, ECM06]. **ecological** [KSSG16]. **Economic** [FBL18, CSV15]. **Economy** [YLT+23]. **Economy-Oriented** [YLT+23]. **Ecosystem** [VMW+19, SCC+23, DMH18]. **Ecosystems** [PF23]. **Edge** [BMJ+22, BBM+15, CPS17, Cre10b, HCB18, HS21, KSVR23, LKIL19, LGXC23, LGZ+19, MSLY24, MTJ+22, PF23, RSNK17, RSN+18, Sar16, WCC20, XLL+20, XZL+20, ZLG+20, CMGI+23, Cre10a, FGZC23, LFHS23, MB21, MPA+18, MA19, SHB19, TMJ+21, VSMC23, ZLZ+19a]. **Edge-Cloud** [MSLY24, XLL+20]. **edge-intelligence** [MPA+18]. **edge/cloud** [MA19]. **Edition** [KGG00, LYBB14]. **Editorial** [Sed07, WYZAD20]. **Editors** [FDF05, KS08b]. **EDSAC** [CK96]. **Education** [ACM06d, GPM21, AJD09, DG05, GLA+08, HMS04, DTW07]. **educational** [WDSW01, YMY17]. **Effective** [LW11, LWC+17, VS19, WUK+18, HKS19, MMTM22, Sto07, WKJ15]. **Effectively** [UR15]. **Effectiveness** [ELC+19, Man15b]. **Effects** [JK17, PLMA18, KCV11]. **Efficiency** [BPP+17, JFPL16, KDB16, AT23, CFRSSR19, DHD20, FGG14, GKT17, GKJ+19, IPRS21, KSSG16, MDZ+21, PVRR14, PBAM17, QXH18, SEPV19, WTL+16, XNH21, ZYLY18]. **efficiency-aware** [AT23]. **Efficient** [AMA18, ASMA21, BYZZ20, BWH+19, BHDS09, BKH+06, CWL12, CWH+14, CZX+19, CGV10, CHPY17, DSR23, DMR10, ECJ+16, EG01, GHS17, GGK19, HTW+19, HB13, JYM+23, JGSE13, KJL11, KLR+20, LM99, LFHQ19, LZM+20, MZD+18, MAK18, MBBS13, NSL+06, ORPS09, PP16, PWJ16, PDY+23, PCC+16, RSF+15, SSG+20, SYZZ+14, SHZ+14, SB73, TLX17, WLW+15, WCC+16a, WXZ+17, WCC20, WHD+16, WTJR22, XWX+17, XYD+18, YP15, ZDK+22, ZZG+23, ZLL+20, ZLG+20, ZB20, AJBJ23, AAM+16, AMAB17, BHvR05, BB12, BB15, BRIdM10, BRS+22, BHSB14, BDE+03, CP17a, Car14, CGM17, CFS+12, DQLW15, DCP+12, DCA17, EGKP02, FM90, HM20, HM18, HMH17, HKJ19, HLBZ20, IMK+13, JFZL17, KMT14, Kha19, KK21, KMG+18, KR16, LLLE17, LZC+16, LYY+20, LFHS23, MR23, MHM19, NTH+17, NBS18, OMB+15, PEL11, PM19a, uRQS20, RHR20, RT18, RZ14, RCTY19, SBI21]. **efficient**

[SENS16, SJRS+13, SSN12, SM23a, SGV12, SYMA17, SLA+16, SHTE11, VSMC23, WKJ15, WHW20, XXZ13, XLQL18, YPLZ17, YYC+19, YWH+23, YLK+10, ZXW16, ZDK+19, ZL13, ZLCZ18]. **Efficiently** [CWL+15, EGJS15, PHXL19, BKC+13]. **EGO** [FSFP19]. **Eighth** [IEE01]. **einem** [See08a]. **Einführung** [CK06a, CK06b, CK06e, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06l, CK06n, CK06o, CK06p, CK06q, CK06t, CK06r, CK06s]. **Einsatz** [Zim05]. **Einsatzmöglichkeiten** [Zim06]. **Einsatzszenarien** [Sch13a]. **Elaborate** [WMUW19]. **Elastic** [AAMBE21, AD18b, KSO+15, PLMA18, BKR20, LPBB+18, NAR19, TSCB19]. **Elasticity** [GLS15, MMdE19, OSK15]. **ElasticSearch** [Ben21]. **ElasticSFC** [TSCB19]. **electricity** [LBZ+11]. **Electronic** [MSCK92, ZR06]. **Electronics** [GPM21, BB08]. **Elektronische** [Mar08]. **Elémentaires** [Han73]. **Elementary** [Han73]. **ELI** [GAH+12]. **elimination** [VED07]. **elliptic** [AGIS94]. **Elmau** [IEE01]. **em88110** [VdlFCC97]. **embeddable** [Web10]. **Embedded** [BHI15, DPCL22, DEK+03, DS09a, DK23, GGM+16, GCL+21, JAD19, JYM+23, Kut92, Mon97, NKK+06, PPG+17, SMK02, SMP22, WLW+15, AH12, Caa00, CT03, CGV10, HK07, Ive03, KKC+16, LTK17, MBBS13, RJK16, RMB02, TMJ+21]. **Embedded-System** [Kut92]. **Embedding** [AM16, BL17, Che21, EMW16, FXL+23, OMB+15, PHXL19, PHC20, YLH17, AO16, BG20, BCC+15, CRB12, EMI13, HKB19, HH18, JK15, KKM+13, NTH+17, OKAM17, SS19, SZL+14, TK20, WHC16, WBW+19, WZZ+20]. **Embeddings** [RS20]. **EMF** [WIDP12]. **Emphasis** [Cre65]. **EmuID** [CJJ+22]. **emulate** [tTR82]. **emulated** [THC+14]. **emulating** [VdlFCC97]. **Emulation** [Ano03a, BKMM87, CLKEF21, JN15, KKTM17, Mal72, BB08, CWH+14, CJJ+22, GD08, Kam13, YJZY12, Bro89]. **emulations** [Bod88]. **Emulator** [Ano14b, Bru07, CFH+79, CFH+80, CK87, FS11, MZG14, WCC16b, Bar06, KS13, Les74, She02]. **Emulators** [Ert03, HHC+16, Mal73, Ert05]. **Enable** [XD17, HPS23, TMJ+21]. **Enabled** [HTB22, LXZ+21, SB18, DMH18, HTB19, KS20a, SGV12, TUM18, VOS12]. **enabler** [DPW+09]. **Enabling** [AEA+23, HD16, HS21, KMK10, NOT+17, OVI+12, Spa19, TY14, WHD+16, ZZG+23, LSS04, ZBS+22]. **encoding** [BDE+03, SPAK18]. **Encrypted** [HB17]. **Encrypting** [Pro00]. **Encryption** [SXH+19]. **End** [Ram93, SS17]. **end-users** [SS17]. **Endurance** [AMA18]. **Energy** [ADA+19, AGC18, AAK18, BWD+15, CWL12, CP17a, DMR10, DQLW15, Do11, DCMW17, EGR15, FML+22, FLZ17, HTW+19, HKM+18b, IRB19, JJK+11, JFPL16, JYM+23, KC16, KSS+20, KB21, KSS+23, KDB16, KCS14, KL14, LMM18, LZC+16, LYYY18, LGJ+18, LYY+20, LWCZ22, LFHS23, MDZ+21, OBSR16, PHC20, RK16, RH17, SBNU18, SYMA17, SZL+14, TDD20, WZH+16, XLWX19, YLK+10, YRJ18, ZDK+22, ZWC+19, ZHL16, AJBJ23, AMAB17, ARMMA18, BAC15, BB12, BB15, BRIdM10, BJG19, BRS+22, CD14, CFRSSR19, DP11, DHD20, DXM+17, FAA17a, FAA17b, FFB+00, GLK+12, GTN+06, GKJ+19, HM20, HM18, HLBZ20, JWH+15, JFZL17, JC18, KMT14, KTB17, KR16, LJYZ15, MR23, DPBK16,

MHM19, NTH+17, NBS18, dOL12, PVRR14, PTD+18, QXH18, RHR20, RP07, RT18, RCTY19, SBI21, SENS16, SMSH18, SHR19a, SHR19b, THG+18, VW08, WDT18]. **energy** [WHW20, XNH21, XZK+20, YPLZ17, YW20, YWH+23, YLJ22, ZLCZ18, ZYLY18, ZSRR22, RNA+22]. **Energy-** [WZH+16]. **Energy-Aware** [AAK18, Do11, EGR15, LMM18, PHC20, XLWX19, ADA+19, DCMW17, KC16, KB21, LYYY18, LWCZ22, RH17, SZL+14, ZWC+19, CD14, DXM+17, GLK+12, JC18, KCS14, MHM19, SHR19a, SHR19b, WDT18, ZSRR22]. **Energy-Awareness** [ZHL16]. **Energy-credit** [KCS14]. **Energy-Efficiency** [JFPL16, XNH21]. **Energy-Efficient** [DMR10, HTW+19, JYM+23, ZDK+22, CP17a, LZC+16, LYY+20, LFHS23, SYMA17, YLK+10, AJBJ23, BB15, BRIdM10, HM20, HM18, HLBZ20, JFZL17, MR23, NTH+17, NBS18, RHR20, RCTY19, SBI21, WHW20, YPLZ17, YWH+23]. **Energy-Oriented** [BWD+15]. **energy-performance** [XZK+20]. **energy-saving** [YLJ22]. **Enforcement** [LJFS17, NMMP15]. **Enforcing** [KC12, WZL15]. **'Engine** [Wal10, GLV+09, MO98, VG20, GLV+10, J+05, MIS+05]. **Engineering** [GPM21, IEE84b, SDS+21, ACM01a, MKM+08, McG72, MPM+20, WZV+13]. **Enhance** [GLS15, CMGI+23, MK19]. **enhanced** [MK23, SM23a, SDN09]. **enhancement** [DXM+17, KS18a]. **enhancements** [AKK+07]. **Enhancing** [CPKL17, GI12]. **ENIAC** [ZR06]. **Enlightened** [AGJS16]. **ensemble** [RGAT18]. **ensuring** [Req03]. **Enterprise** [ADG+92, CMK+16, FPR+06, G+06, LVM16, BSNB20, EM06, Hal08, NS07, WH05, Ano03a, Gal11]. **enterprises** [GAHL00]. **enthüllt** [Joo06]. **ENTICE** [GKP+19, HKM+18a]. **Entities** [ZLG+20]. **Entity** [LGZ+19]. **Entrepreneur** [War11]. **Entropia** [CCWY05]. **Entropy** [TVO92]. **Entropy-Driven** [TVO92]. **EnTruVe** [RNA+22]. **enumeration** [SSH17]. **Environment** [ACL72, BGM70, CL16b, GKSP99, Gen86, GGG03, HW93, IEE06a, J+05, JADAD06a, LWC+17, LW12, Mac79, RT93, TMV12, XSC13, XLL+20, ZD18, AAB+05b, BRS+22, BH13, CLDA07, CWG00, DL19a, Don87, DS22, FCD09, FAA17a, GD08, GMR93, Hal09, HL13, JWH+15, JXZ+10, JADAD06b, KW13, KKK+18, KMG+18, LJYZ15, LPZ+22, McG72, MST+05, MW18, MPF+06, NNK21, NS17, PM19a, RGAT18, RG19, RAP19, TMLL14, TT93, TV18, Van06, WLL+13, XZZ+16, YWH+23, Yu20, ZBP05, ZFL+23, ZLLL13, FAA17b]. **Environments** [ACM05d, ACM06f, AD18b, BB17, BMJ+22, BE17, CWL12, CGMD19, GKXK13, HHW10, HKKW13, KKH14, KGZ+04, LH15, NKY+18, PWJ16, PLZ20, RIP18, RGSJ17, SV13, SKT+19, TDMP23, XLWX19, ZWFX17, ZZF06, ARA18, ADA+19, ATS14, BCC+15, BRIdM10, BDK+08, CFVP12, DP11, DS18, DEG+17, FMIF18, GPS+18, GMK17, GGK19, HOKO14, HC12, dCJR16, KSO+15, KKB14, LC14, PSZ+07, PST15b, SSG+20, SJW+13, SGV12, SHB19, TRG13, VDO14, WWWL13, WTL+16, XHL+13, YLK+10]. **Ephemeral** [WHD+16]. **equilibrium** [uRQS20]. **equivalent** [TLX17]. **Erasure** [ZLL+20]. **Erasure-Coded** [ZLL+20]. **Erlang** [TCP+17]. **Erratum** [FAA17b]. **Error** [XH16, XHL+13]. **errors** [AMIA19]. **Ersatz**

[Hin08]. **erstellen** [Zim06]. **Erstellung** [See08a]. **ESA** [Fis91, GH91a, IBM94, MSS91, OJG91, SNC91]. **ESA/390** [OJG91]. **ESA/XC** [GH91a]. **Escape** [WLCS17]. **Escapers** [SXH+19]. **eServer** [R+02, G+05]. **Espresso** [WZL+18]. **ESPRIT** [RD90]. **Essentiality** [FXL+23]. **Essentials** [SNS03, MBM09, VSC+10]. **Estimation** [DSM14, HSK17, KSSG16, NKY+18, OBSR16, LBL16, MPA+18, VWT13, WDT18]. **ESX** [AAH+03, D+04, MWHH05, OH05, Rul07, R+02, Zim05, Hal08, MBM09, Wal02]. **ESXi** [GKBB15]. **ET6** [Pul91]. **ET6/1** [Pul91]. **ETAS** [IRB19]. **Ethereum** [HLW+23, Hir17]. **Ethernet** [YCL+18]. **ETICA** [ASMA21]. **Eucalyptus** [AMA+14]. **European** [ACM04a]. **EUROTRA** [Pul91]. **Evaluating** [Ben21, De 06, GLK+12, GC00, HH19, HW93, MTJ+22, RCM+12, BJ22, SMSH18]. **Evaluation** [AD11, CFH+79, CFH+80, DAH+12, HB12, KD78, MG19, PZW+07, RNS+23, SJA+17, SHB+03, SP22, SHTE11, TFtLcC15, VMBM12, ACM06c, ALW15, DSSP06, FSH+13, GE85, HTB19, JFZL17, dCJR16, Kao17, Kee68, MCC18, Man18, NMC18b, NMC18a, SLC20, TUM18, VW08, WKT08, WWH+17, YZW+13, Hin08]. **evaluations** [SJW+13]. **Even** [KBK+21]. **Event** [DLX+17, MV16, YP15, ZBS+22]. **Event-driven** [DLX+17, ZBS+22]. **events** [LC13]. **Everything** [NBB+19]. **everywhere** [Tre05]. **Eviction** [AGJS16]. **Evictions** [vSMK+20]. **Evil** [HCJ07]. **Evolution** [BG73a, HH79, Kim84, SLM89, SL16, AGSS10, CD01, GBCW00, Kro09, WIDP12]. **evolutionary** [LKR+19, LWCZ22]. **Evolutions** [BAL15]. **evolving** [Ano96, FF96]. **Exact** [WHW20, EYGS19]. **examination** [HN08]. **Examining** [NL00]. **Examples** [Gol71b]. **Exascale** [NLD+23]. **exceeding** [GHS16]. **Excelsior** [MLG+02]. **exception** [Sal92]. **Exceptionization** [YKM17]. **exceptions** [Ven97b]. **Excessive** [IYAK23]. **exclusion** [SGS92]. **Executable** [MP01]. **Executables** [LKL+19, AD18a]. **executing** [ACT94, Lot91]. **Execution** [ACM05d, ACM06f, CGMD19, FZD+24, HWB03, KGZ+04, LWC+17, MM93, MO98, PY93, RT93, SV13, ZLSI17, vLSM01, AS76, AAB+05b, BSD19, BFC02, BDK+08, CLDA07, EBLM22, Fre05, GCARPC+01, GK05, dCJR16, MMP+12, OJG91, SM01, TT93, TV18, ZBS+22, ZL13]. **Execution-Driven** [PY93]. **executions** [KM13a, KM13b]. **Exercise** [Lee86]. **Exhaustive** [PM19b]. **existential** [AT16]. **Existing** [JMSLM92, LTT92]. **exit** [HLW+13]. **exitless** [AGH+16]. **exokernel** [Cof99]. **Expansion** [Par79]. **Expelliarmus** [SBBP20]. **Experience** [San88, RM03, CARB10, CBLFD12, FDD+19, PBAM17, RSC+15, TGCF08]. **Experiences** [NV05, SCD90, Tsa14, CMP+07]. **experiment** [HA79]. **Experimental** [Bro89, ACM06c, FSH+13, HL13, SS72]. **experimentation** [ACG18]. **Experimenting** [Taf11]. **experiments** [Ker88]. **Expert** [Hee07]. **ExpEther** [NMS+14]. **Explaining** [YYL+15]. **Explicit** [WUK+18]. **Exploit** [GLL+21, RAP19]. **Exploitation** [SSMGD10]. **Exploiting** [CRZH15, EdPG+10, GLS15, MPA+18, MFT+19, PA21, SJS+17, YTS14, WTLS+09]. **Exploration** [SVM+23]. **explorative** [AHK+15]. **explore** [Fit14]. **Exploring** [CLKEF21, CPM+18, LSSC22, SE12, SIdLB15, WKJ20, YBZ+15].

**Expo** [Ano06a]. **Express** [Ng01a, Ng01b]. **Expression** [Cox07, Cox09, Cox10, Cox12, Wat86, Wat87, Tho68]. **Expressions** [KP99]. **extend** [MK19]. **Extended** [DC15, Gum83, MT16, MT17, Olb78, You73, IBM88]. **Extending** [CT03, DLM+06, PTHH14, YTY00]. **Extensible** [FLCB10, TSP17, DCA04, YJZY12]. **extension** [DCP+12]. **Extensions** [Fis01, SCP93]. **EXTERIOR** [FL13b]. **External** [AA18, LHW+20, FL13b]. **extraction** [WML02]. **ExtraV** [LKY+17]. **ExtraVirt** [LRC05]. **extreme** [NOR15]. **EXUS** [SKC73]. **eye** [Guy14].

**Fabric** [ZL18a]. **FACADE** [GLV99]. **faceted** [BDQR23]. **FACILE** [GMP89]. **Facilitating** [cCWS14, SWcCM12]. **Facilities** [Gum83, GH91a, MN91]. **Facility** [McK04, MLA83, SM90, IBM72, IBM73, IBM76b, McC74, Olb78, SZ88]. **Facility/370** [IBM72, IBM73, IBM76b, McC74, Olb78]. **facto** [Rus08]. **Factor** [SC18]. **factors** [BJ20]. **Fad** [Fra98]. **Failure** [Fu10, KLR+20, MSI+12, ZWH+17]. **Failure-aware** [Fu10, ZWH+17]. **Failures** [YYL+15, PBYH+08]. **Fair** [CL15, CFLL19, GLLJ16, HSN17a, KNHH18, TTH+19, RZ14]. **Fair-share** [KNHH18]. **FairGV** [HSN17a]. **Fairness** [SWH+13, SKJ+17]. **Falle** [Mar08]. **familiarized** [Ame13]. **Farms** [Do11]. **Fast** [CSS+13, CLW+14, Cox07, CHPY17, Hol95, HSN17a, JFPL16, Kou11, KLK+22, NOT+17, PEL11, ZLW+14, ZFY18, ZLZ+19b, ZLW+19b, JFZL17, KMMV14, KJLY15, LKR+19, MSZ09, SK13b, SV15]. **Fast-Spreading** [CLW+14]. **FastDesk** [SWW+18]. **FASTSCALE** [LKR+19]. **FAStT** [D+04]. **Fault** [FK03, JKJ+10, Kim84, RZPX19, XXWG23, YWR+14, YYL+15, ZJXL11, SNV10, SM23a, YLH14]. **Fault-Tolerant** [FK03, Kim84, YWR+14, SNV10]. **faults** [CP17b, LRC05]. **FCP** [SAB+07]. **Fe** [ACM00]. **feather** [YGN+06]. **feather-weight** [YGN+06]. **feature** [Bag76]. **Features** [Gal11, MB21, McC74, Bau06b, Bau06a, IT86, LPZ+22]. **features-based** [LPZ+22]. **featuring** [Wil06]. **FEBI** [HLW+23]. **February** [Ano10, USE01b]. **Federated** [RNS+23, AO16, CFVP12, dCCDFdO15, KMG+18]. **federation** [LWLL16]. **Fedora** [HH08]. **feedback** [NG13, ZBG+05]. **feedback-control** [ZBG+05]. **feedback-directed** [NG13]. **FGP** [FG91]. **FHPCN** [M+06]. **Fiber** [GDSA+17]. **Fiber-based** [GDSA+17]. **Fidelity** [KKTM17]. **Field** [BBM+15, KNT02]. **Fifth** [ACM75, IEE96b, USE99, IEE04]. **File** [AEMWC+12, AvMT11, Li14, SNC91, ZCJ+21, ZZF06, FFBG08, HC12, Int06c, JXZ+10, SBQZ14, Vag10, WH08, WF07]. **files** [LLF+18]. **filesystem** [ZYZ+18]. **filling** [HUWH14]. **film** [SL00]. **filtering** [MG19]. **FIMCE** [ZD18]. **final** [Pul91]. **find** [Fab13]. **finding** [Bod88]. **Fine** [BSSS14, CHW12, CDD13, HSK17, JCZZ13, PG11, RB17, YGLY21, YSS+17, KWZ+19, WJGA12, YTS14, YSM+21]. **fine-grain** [WJGA12]. **Fine-Grained** [BSSS14, CHW12, CDD13, HSK17, RB17, YSS+17, JCZZ13,

PG11, KWZ+19, YTS14, YSM+21]. **Finite** [SC17, GLW23]. **Finite-Markov** [SC17]. **Firefly** [KC16, SM23a]. **Firefox** [Joo06]. **Firewall** [TMV12, DS18, JES+15]. **firmware** [ABB+15, MSCK92]. **First** [ACM05d, IEE84b, LCWB+11, MNS+14, SMP22, ZR06, SS17, SHB+03]. **First-Class** [LCWB+11, SS17]. **Fit** [NKY+18, BY20, LWB13]. **Fixed** [Lam75, Bod88]. **FL** [PF23]. **Flash** [SYC14, Pat12]. **Flash-based** [SYC14]. **flaws** [Ano07]. **flex** [Kag09]. **FlexHM** [PDY+23]. **Flexibilities** [LS15]. **Flexibility** [BSI+15, FPS+02]. **Flexibilizing** [BG20]. **Flexible** [AvMT11, CGMD19, KWZ+19, KS20b, KLK+22, LZW+17, LWB13, PDY+23, vMAT14, AHRR22b, ACG18, CARB10, CCL+17, TGCF08]. **Flock** [ZWC+23]. **Flow** [FML+22, MSLY24, WJ10, BSD19, BK14, BKH+06, FLL+13, GE85, RJK+17, TK20, YKS16]. **Flows** [CDD13]. **Fluid** [MB20]. **Flux** [SML18]. **fly** [URJ18]. **focused** [BDG18]. **Fog** [NBS18, MMTM22, RNA+22]. **fog-cloud** [MMTM22]. **folding** [CPST14, Oi06]. **Forecast** [CWL12, TMLL14, VGL23]. **Forecasting** [PCW+16, CBJ22, KSSG16]. **Forensics** [HN08, ZXY+15]. **Foreshadow** [VMW+19]. **Formal** [BDJdS02, BN75, CH78, Dom80b, JE12, Jen79, MP01, PG73, PG74, Qia99]. **Formalism** [UOKT84, Pul91]. **Formalizing** [HM01]. **formation** [HLW+13]. **FORSETI** [CSV15]. **FORTH** [Mar81, Kna93, Ode87]. **FORTRAN** [IBM88, Int88]. **Forum** [CS76, DM76, Fra83, GHF83a, GHF83b, WNL+83, DHPW01, GPW03]. **Forward** [Uhl06, YK13]. **found** [Ano97b]. **foundation** [OJG91]. **Foundations** [Hog08, HMS17]. **Four** [QNC07]. **Fourth** [Ano03b, MS91b]. **Fourth-Generation** [Ano03b]. **FP** [JFPL16]. **FP-ABC** [JFPL16]. **FPGA** [GP13, QTR21, ZDS+22]. **Fractional** [PS23]. **Fragmentation** [GWZ16, HKM+18a]. **Frame** [WH99]. **Framework** [DY17, GCL+21, GH91b, JXL+12, KCWH14, KAJW93, LGZ+19, LWLL10, LWB13, MGL+17, PXG+17, PST+15a, PLZ20, RNS+23, SZW+16, SEK+19, SCA+24, TMV12, WGW+18, XWH+16, YWH+21, ZFL15, ZWFX17, ZDS+22, Ame13, AC16, BB15, BDE+03, CD14, DS20, DLH+20, FPGK18, FMJ15, Fre05, JSK+13, Kag09, Kao17, KKM+13, KJJ+16, LLLE17, NB11, PM19a, PDM20, PV06, RH17, RSC+15, RK18, SJRS+13, SSEA18, SL00, SIK+16, STY+14, WHC16, YWTC15, ZXW16, ZS01, ZSR+05]. **Frameworks** [AP22, ZLW18, AGH+15b, HZZ+14]. **France** [ACM90, ACM05b, Jou85, JPTE94]. **Francisco** [ACM06a, USE02]. **Free** [Ano03a, BRX13, AJBJ23]. **FreeBSD** [McK04, MNN05, Sar01]. **FreeDOS** [WF03]. **French** [Apr09, AH68, Han73]. **frequency** [Kam13, SSEA18, AMAB17]. **fresh** [DSR23]. **Friendly** [ZBG+05]. **Front** [Ram93]. **Frontier** [Sar16, Rob12]. **Frontiers** [ACM06e, M+06]. **Full** [HHC+16, HSL17, MZD+18, MCE+02, Sch13b, SWF16, JK17, LLY+18, YKS16]. **Full-System** [SWF16]. **Fully** [CGMD19, ZD18]. **Function** [AP22, Aln22, CEPR22, Che21, EMAL17, ELC+19, FBM+21, FLZ17, GGK18, HTAY21, HSL17, JW17, KLR+20, LGXC23, LLW+16, LYL21,

MLXG19, MDZ+21, MSLY24, MSC+21, Pap20, PHXL19, RKRK17, SN23, WCC20, XWW+21, YWL+18, ZZG+23, ZSP+21, ZLZ+21b, ZWC+23, ZKWH17, ALW15, BCC+15, DS18, FZS+20, HLW+23, LMDP19, MCJ19, MHS21, QBL+23, SHB19, SOKE23, TSR19, TSCB19, XHW+19, YLTF20, YXL+20, ZJRW19]. **Function-as-a-Service** [ZWC+23]. **function-virtualized** [DS18]. **Functional** [ACM90, Dan86, DCG12, GMP89, Ame13, Wak99, Jou85]. **functionality** [MK19]. **Functions** [BYZZ20, BCZ19, DL89, KLLT18, MP16, NGRF19, TF16, WZL+23, DS19, FJKK17, HHSG18, HH19, KWZ+19, LRP+19, PMP23, PJZ+19, PFNC20, QZDJ16, TSCB19, YCL+19, ZGL+17, CBJ22, GHM+18, TSN+23]. **fundamental** [BCZ19]. **funfte** [Müh75]. **funnel** [LMV12]. **Fusion** [Kis08]. **Future** [FLZ+20, GB19, Her06, IBBA20, KS08b, LCMV17, RG05, Sup04, Var91, ZXR+22, AH12, Bau05, NIA18, PTD+18, Ros14, Str13, Yur02, SIJPP11]. **Fuzzing** [KLF+15]. **Fuzzy** [AAR22, BY20, Hu90, LZ15, CFRSSR19, FA21, FLM+08, SENS16, ZB18]. **Fuzzy-logic-based** [BY20]. **FWNs** [SIJPP11].

**G** [ALW15, HH18]. **GA** [HMH17]. **game** [FK13, GLLJ16, LWCZ22, NS17]. **games** [WKC+09]. **Gaming** [CZX+19, ZQCZ16, CZX+19]. **Gap** [DGLZ+11, FL13a, GSW+17, ZLHD15]. **gaps** [HUWH14]. **Garbage** [ADM98, DS16, GTS+15, HPHV17, PBAM17, Sch13a, SHB+03, URJ18, BOF17, DEE+16]. **Gast** [WF03]. **Gast-Systeme** [WF03]. **Gateway** [CCO+05]. **Gateways** [DW14]. **gather** [Wol99]. **Gb** [YCL+18]. **GC** [HHPV15, SEPV19]. **GC-Wise** [SEPV19]. **GCompris** [CK06t, CK06r, CK06s, CK06q]. **GCTrees** [DS16]. **GDB** [MZG14]. **gehärteten** [See08a]. **Geiger** [JADAD06b]. **Gelato** [Ano06a]. **Gene** [SSU+12]. **Gene/P** [SSU+12]. **General** [Cre65, GFB+92, XWH+16, ZDS+22, BJ22, BDE+03, LSS04, SS72]. **General-Purpose** [GFB+92, ZDS+22]. **Générateurs** [Han73]. **Generation** [AEA+23, Ano03b, AC98, BDF+99, CF00, GFH82, MZG14, PG74, EL98, IIK+06, LLS+12, PG73, RGS+20, Sus76, Web10]. **generational** [WK08]. **generations** [BOF17]. **Generator** [Han73, ABDD+91, EGKP02]. **Generators** [Fra83, GHF83a, GHF83b, WNL+83]. **Generic** [MM94, ZLZ+21b, BKT+19]. **generics** [Int06a]. **Genetic** [AAR22, MPM+20, PC21]. **Geo** [JWL+18, PHXL19, XLQL18]. **Geo-Distributed** [JWL+18, PHXL19, XLQL18]. **geographically** [KTB17, ZB18]. **geometry** [Hol95]. **George** [ACM03b]. **Georgia** [USE86, USE00a]. **German** [Joo09, Bec09, Bod10, CK06a, CK06b, CK06e, Fis09, Lar09, Sch13a, Spr07, WR07]. **Germany** [RM03, GHH+93, IEE01]. **get** [Ame13]. **gets** [Rou07]. **Ghost** [Arc07]. **GI** [Müh75]. **Giants** [FS12]. **GiantVM** [JZY+22]. **GINI** [YMY17]. **GKLEE** [LLS+12]. **Glass** [LHW+20]. **Global** [LLW98, Sta97]. **GloudSim** [DC15]. **gMig** [LZM+20, MZD+18].

**GNAT** [CDG97, MB98, Shi03]. **go** [BWH+19, LWB+15]. **goes** [RY10]. **going** [McK11]. **good** [RY10]. **Google** [Cox12, Joo06, DC15]. **Goto** [Abr80]. **GPGPU** [CPM+18, KLY20, MMG+18, TY14]. **GPOS** [JK17]. **GPU** [CMGI+23, DS09b, GMK17, HSN17a, HSN17b, IPRS21, KLY20, KSVR23, LYGG20, MZD+18, MTFK19, MNS+14, MGL+17, NRdA+20, NMS+14, PS19b, RSC+15, RS16, SCSL12, SM23b, SIRP17, SPAK18, SKYK16, TTH+19, XML+18, YLWH14, YCL+18, YML+18, YLT+23, YSS+17, ZZG+23]. **GPU-Accelerated** [MTFK19, SCSL12, SPAK18]. **GPU-assisted** [GMK17]. **GPU-Job** [PS19b]. **GPUDirect** [YWCF15]. **GPUs** [LLS+12]. **GPUvm** [SKYK16]. **gQoS** [LYGG20]. **GRACE** [M+06]. **gradient** [MM92]. **Gradual** [RSF+15, RAT17]. **grain** [WJGA12]. **Grained** [BSSS14, CHW12, CDD13, HSK17, RB17, YSS+17, JCZZ13, KWZ+19, PG11, YTS14, YSM+21]. **grammar** [FS89]. **Grande** [ACM01b, DHPW01, GPW03]. **Grande/ISCOPE** [ACM01b]. **Granularity** [PXG+17, RRB19, LLS14, YGLY21]. **Graph** [CFM17, CRG16, LKY+17, QBL+23, Syr07, YTS14]. **graph-based** [CRG16]. **graphic** [Wal76]. **graphic-simulator** [Ber86]. **graphical** [Bur02]. **Graphics** [Ano03b, JXL+12, VLZL16, XML+18, ME87, Sus76]. **Graphs** [Lee16, Bod88, PULO16]. **gray** [WSVY09]. **gray-box** [WSVY09]. **Greedy** [NMG15]. **Green** [KL14, MZ20, LLW+12, LJL12, WZV+13, XA22, YLHJ14]. **Green-Energy-Aware** [KL14]. **Greene** [War11]. **Greener** [BH13]. **Grenoble** [ACM05b, JPTE94]. **Grid** [ACM05b, CCMY07, IEE04, MFT+19, SEF+06, TLC06, ZZF06, vLSM01, Rob06, SJW+13, SGV12, ZBP05, AKK+07, CCO+05, KGZ+04, LP14, WKT08, ZBP07]. **Grid-Based** [vLSM01]. **GridGIS** [M+06]. **Grids** [GPM21, CCWY05, MPA+18, GTN+06]. **Group** [Boa90, Sof83, YLN+17, CKP78, KKK+18, ZLH+15]. **Grouping** [AAR22]. **growth** [LDL14]. **GSX** [Zim05]. **GTP** [M+06]. **Guarantee** [LZ15, CMG+19, MDZ+21]. **Guaranteed** [LWZ+18, ZWL+18, KB21]. **Guaranteeing** [LZW+15, YWR+14, ZRS+16]. **guarantees** [MSG01, ZHCB15]. **Guest** [CCML12, NOT+17, ABG14, FL13b, JXZ+10, LD11, MSZ09, XHCL15, FDF05, KS08b]. **Guest-Assisted** [CCML12]. **guest-OS** [FL13b]. **guest-transparent** [JXZ+10]. **guests** [JK17]. **GUI** [PW03]. **guidance** [JSK+13]. **Guide** [Ame13, BBD+91, Bas04, Bas06, Gal09a, IBM72, IBM73, IBM76a, Oak14, OH05, Chi08, IBM88, Int88, IBM94, KSS09, KS10, MDD+08, MIS+05, RR09, TC10, War02, Wes98]. **guided** [HLW+13, SSH17]. **Guiltiness** [PJZ+19]. **GVirtuS** [MGL+17]. **gVMP** [SM23b].

**H** [JAS+15, Wel02]. **H-SVM** [JAS+15]. **HA-VMSI** [ZTWM17]. **Hack** [WMUW19]. **hacking** [Spi06]. **Hadoop** [GLBJ18, ZRD+15]. **Handbook** [Bod10, Fis09, NSHW10, War05, Joo09]. **Handbuch** [Joo06, WF03, Bod10, Fis09, Joo09]. **handler** [Sal92]. **handles** [Ven97b, Ven97c]. **Handling** [AMB+17, SB16, SMA18]. **Hands** [Kol19, MDD+08]. **Hands-on** [Kol19, MDD+08]. **Harbour** [MR91]. **Hard**

[JYM+23, LTK17]. **Hardness** [RS20]. **Hardware** [AE01, CWS12, Cla97, Gol71a, HHV+02, HWF07, Hsu01, JAD19, JSHM15, JAS+15, KAJW93, KLK+22, LH16, LZW+17, Mac79, NSL+06, OT97, PvDS08, RTL+18, SYB12, SWF16, WCS06, YVCB17, YVCB18, ZTWM17, vD06, AA06, AJH12, AEB19, DJP+24, BHDS09, CBGM12, CP17b, FP14, HH13, HP77, KW13, KJM+07, Oi05, Oi06, Oi08, Olb78, PGLG12, PBB13, RPE12, SE12, TO96, WZW+11, XZ11, YJZY12, ZDK+19]. **Hardware-Accelerated** [SWF16]. **Hardware-Assisted** [JSHM15, JAS+15, RTL+18, AJH12]. **Hardware-Based** [PvDS08, KLK+22, KJM+07]. **hardware-bound** [DJP+24]. **hardware-translation** [Oi06, Oi08]. **Hardware/Software** [KAJW93, LH16, HH13, HP77, WZW+11]. **Harmful** [NMHS15, WC01]. **Harmony** [PPS+18]. **HARNESS** [BDF+99, GKSP99, MDGS98]. **harnessing** [GLV+10]. **hash** [SV15]. **hash-array** [SV15]. **Hawaii** [MS91b, Shr89]. **HBench** [ZS01]. **header** [VED07]. **Healing** [BHI15, GK05]. **Health** [ZL16, ZL18b]. **Healthcare** [AAR22, KS20a]. **Healthcare-Cloud** [AAR22]. **heap** [CSV15, CH08, LDL14, LLS+08, PNM+20, TLX17, WSAJ13]. **Heavy** [HS19]. **hedging** [RY10]. **Helix** [Ano03a]. **help** [Car14, Men03]. **HEP** [Dun86]. **herd** [BB20, KS18a]. **Hermes** [ZLG+20]. **hesitant** [FA21]. **Heterogeneity** [GLS15, KR16, XLJ16, AMB+17, WCS09]. **Heterogeneous** [GKSP99, HSK17, HHS18, HWCH16, KGGS17, KGGS18, LMM18, LWW16, LLZ18, OVI+12, PDY+23, RG17, YLH17, ZSP+21, ZAI+16, ZB20, Bac11, CDM+10, CKRJ17, DCMW17, GTGB14, GCARPC+01, KHL17, KKB14, KSS+18, LZW+15, NRS92, PMC05, RAP19, SWH+13, SWC08, ZLLL13]. **HeteroOS** [KGGS17, KGGS18]. **HeteroVisor** [GLS15]. **Heuristic** [BL17, LWW16, XH90, CD14, HAK22, KMT14, SM23b, TSR19]. **Heuristics** [ARMMA18, ATS16, BB12, KR16, Man15b, SBNU18]. **HI** [Shr89]. **HICAMP** [CFS+12]. **hidden** [CWdO+06, WQG15]. **Hiding** [CLS07]. **Hierarchical** [ABB19a, DM75, Kee68, SCA+24, HPS23, SPAK18, YWF09]. **Hierarchies** [TBS17]. **Hierarchy** [SBK15]. **High** [ACM98, ACM04b, AMA18, Bad82, BPP+17, BCW20, CW03, DMS02, DYL+12, Han16, Hog02, IEE96b, IEE06a, IBBA20, KCWH14, KBK+21, KKTM17, KMM13, KKS+19, LCK11, LMG01, LRP+19, LJZ12, LHAP06, MLG+02, RCM+12, RB01, SD01, SCSL12, SV13, SYC14, URJ18, Vog03, WQG15, WCC16b, YWCF15, ZLSI17, dGG+17, AAF+09, Ano96, BML+13, DQR+13, EMS15, FF96, Fu10, G+01, GTN+06, GGJ+92, GBCW00, HKJ19, LBZ+11, LLLE17, LM99, LMG00, LDL+08, ML78, MUKX06, M+06, MRC+13, MMG+18, RQD+17, SB10, SPF+07, SPAK18, WXW15, WWH+17, XJW+18, ZYZ+18]. **High-Assurance** [LJZ12]. **high-availability** [Fu10, LDL+08]. **high-bandwidth** [WXW15]. **High-Endurance** [AMA18]. **High-Fidelity** [KKTM17]. **High-Level** [DMS02, RB01]. **High-Performance** [ACM98, IEE06a, IBBA20, KCWH14, LMG01, SD01, SCSL12, URJ18, WCC16b, dGG+17, Han16, Hog02, KBK+21, SYC14, HKJ19, LLLE17, LM99, LMG00, MUKX06, SPF+07, SPAK18, WWH+17, ZYZ+18].

**high-performing** [GBCW00]. **High-Speed** [KKS+19, LRP+19]. **High-Throughput** [BCW20]. **Higher** [BW03, MKM+08]. **higher-assurance** [MKM+08]. **Highly** [KD78, YYY+23, ZFL15, CARB10, CGM17, GI12, GVI13, TGCF08]. **Hilton** [IEE90b]. **HipHop** [AEM+14]. **histograms** [CL14]. **History** [Ran20, SKJ+17]. **History-Based** [SKJ+17]. **HITAC** [KAH83]. **Hitless** [ZWZ20]. **HIVE** [Tay76]. **HLA** [LCT+15]. **HLA-Based** [LCT+15]. **hold** [Yur02]. **Holders** [War11]. **hole** [EB20]. **Holistic** [LGJ+18]. **Home** [DW14, See08b]. **hones** [Won97]. **Honeypot** [YYY+23]. **Honeypot-Based** [YYY+23]. **honeypots** [ALL06]. **Hood** [Ven96, Ven97b, Ven97c, Ven97d]. **hooks** [AKCP21]. **Hop** [WBHN18]. **Hopping** [DL19b]. **Hose** [YLH17]. **Host** [CLW+14, NASD21, QNC07, HM20, LMJ07, TB14]. **Host-Based** [CLW+14, NASD21, LMJ07]. **Hosted** [SVL01, CBLFD12, CKT08, DS09b, SYZZ+14]. **hosting** [RQD+17, YMY17]. **Hosts** [BB13, Bau06c, CLL+13, TtLcC13]. **Hot** [IEE96a, IEE97, IEE99, IEE01, BBTK+17]. **Hotel** [USE01a]. **HotOS** [IEE01]. **HotOS-VIII** [IEE01]. **Hotplug** [LJL+15]. **HotSpot** [Sch13a, IRB19, Arm98, BOF17, HHV+02, WKJ20]. **HotSpot**$^{TM}$ [RB01]. **Houston** [ACM06d]. **HP** [BKMM87, MSCK92]. **HPC** [M+06, GPS+18, HCJ07, JQWG15, PNT12, PCB+18, Spa19]. **HPC-GTP** [M+06]. **HPC.NET** [Vog03]. **HPCC** [DF96]. **HPCS'06** [IEE06a]. **HPVM** [KSS+18]. **HSPT** [WLW+15]. **HSSM** [Wel02]. **Huge** [Got07, KYP+17]. **HVM** [LTK17]. **HVMs** [CBZ+16]. **HW** [DCG12, Wu13]. **HW/SW** [DCG12, Wu13]. **Hybrid** [GSW+17, HD16, HAK22, KCWH14, LSC+17, PST+15a, RSNK17, VVC+17, WGLL13, FX06, KN18, KSS+20, KSS+23, KS18a, LQW+12, RJK+17, STMV18, YWGH13, ZGW+06, Gua14]. **Hybrid-Copy** [LSC+17]. **Hyper** [Gal09b, Lar09, LC09a, TZB19, WXW15, Apr09, Car06, KVV09, KSS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09]. **hyper-space** [WXW15]. **Hyper-V** [Gal09b, Lar09, LC09a, Apr09, Car06, KVV09, KSS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09]. **HyperBench** [WZT19]. **Hypercubes** [HO92]. **HyperMAMBO** [dGG+17]. **HyperMAMBO-X64** [dGG+17]. **HyperMonitor** [XZ11]. **HyperSafe** [WJ10]. **hypertext** [Alf91]. **hyperthreading** [BKR20]. **Hypervisor** [BAL15, CL16a, HWCH16, JZY+22, JSHM15, JAS+15, KYP+17, LKL+19, NASD21, NOT+17, PPG+17, SJV+05, SKYK16, WJ10, WHD+16, XD16, XD17, YJZ+21, You73, ABG14, ASB18, BBD+10, CLM+22, Chi08, DN14, MSZ09, NS17, RSLAGCLB16, Ste14, SL12, KSS09, KS10]. **Hypervisor-as-a-Service** [WHD+16]. **Hypervisor-Based** [BAL15, LKL+19]. **hypervisor-secure** [SL12]. **Hypervisors** [Rev11, SPF+07]. **hypervolume** [EB20]. **HYVI** [Gua14].

**I-Caching** [MM93]. **I-IoT** [BSL+18]. **i.e** [MC93, Müh75]. **I/O** [RM03, AJM+06, AMA18, ASMA21, AD11, ABG14, ABB+15, BMS16,

BPM+22, BHEP14, CWH+16, CDD13, CRZH15, DCP+12, DS09b, GCL+21, GAH+12, HA79, HB12, JAD19, KS08a, KBDK22, KMN+16, LLLE17, LMR18, LHAP06, LFHS23, NsP16, PST+15a, Rus08, SBQZ14, SYC14, SVL01, THH+14, TtLcC13, VW08, WR12, WTL+16, XNH21, YJZ+21, ZWFX17, ZSR+05]. **I/O-intensive** [BPM+22]. **I/Os** [OBSR16]. **IA** [Ano14b, De 06, Don06]. **IA-32** [Ano14b]. **IA-64** [De 06, Don06]. **IaaS** [FFM+23, GLLJ16, GA18, HKM+18b, KDB16, PPO14, RB17, SBBP20, XCSM18, ZLHD15, ZHW+17]. **IAS** [FS11]. **IAS/von** [FS11]. **IASSim** [FS11]. **IASTED** [Ano99b]. **iAware** [XLL+14]. **IBBE** [SXH+19]. **IBM** [ADG+92, A+04, ABDD+91, ABB+15, Ber86, B+05, Bri98, D+04, GBO87, G+06, G+05, Kam75, MIS+05, Mly09, Olb78, P+08, R+06, R+02, SZ88]. **IBM/360** [Kam75]. **ICE** [Ano06a]. **ICL** [HP77, Kee77]. **ICTree** [FBZS12]. **ID** [SIJPP11]. **ID/Locator** [SIJPP11]. **IDE** [Ano03a]. **idea** [BBS06]. **Ideal** [Ran20]. **identification** [BZD17, HLW+23, PMP23]. **Identifying** [CL17a, MD12]. **Identity** [SXH+19]. **Identity-based** [SXH+19]. **Idiom** [KKM+13]. **Idle** [DEE+16, SBK15, HKJ19]. **IEC** [Int05a, Int05b, Int06b, Int06c, Int06a]. **IEEE** [ACM04b, ACM05c, ACM06a, IEE90a, IEE91, IEE02, IEE03, IEE04]. **IEEE/ACM** [ACM04b, IEE04]. **Igniting** [ACM03a]. **II** [Cre08a, TSR19]. **IIoT** [TDMP23]. **IJCAI** [MR91]. **IJCAI-91** [MR91]. **ILDJIT** [CARB10]. **Illinois** [ACM05d]. **illuminating** [BK14]. **im** [KGG00, Mar08, Zim05]. **IMA** [XHCL15]. **Image** [AD11, CWH+16, ETAB22, EF94, HKM+18a, LZY+24, NSJ12, ZCL+21, IM93, KMG+18, SBBP20, XZZ+16, XWX+17, ZXW16, ZFY18]. **Image-Content-Aware** [CWH+16]. **Images** [Li14, WWL+17b, ZTA+21, BNS18, GKP+19, Isl19, XJWW15, XJR+17, ZMD+21]. **iMeter** [YZLQ14]. **iMIG** [LZL+15]. **immutable** [SV15]. **Impact** [KKS+19, LSSC22, Ros06, WKJ20, WZKP19, BT15, WKJ17]. **impacts** [HH19, KWZ+19]. **Impasse** [APST05]. **Imperative** [LFBB94]. **implement** [Sig89]. **Implementation** [fLtNW14, BBD+91, DAH+12, DJ77, DLS+01, Hal79, JR02, JJ02, KR94, Mar73, MD12, MNN05, MN91, NsP16, Rev11, RNS+23, SGS92, SIR+17, SCD90, SB73, Sur01, TVO92, TO96, TFtLcC15, UOKT84, WLW+15, War80, YLWH14, YCL+19, YW20, ZSXZ07, ZL18b, AFT01, ANH00, BKR20, Blu02, BT15, CKP78, DN14, DJ76, DCA04, IT86, JNR12, Lav10, Man18, MJ93, PNM+20, Sch09, SJW+13, SGGB99, SGGB00, SJL20, Taf11, WW77, XCJ+14, Lee86]. **Implementations** [AP22, HLP+16, SVB93, VV18, AEMWC+12, CSS+16]. **Implementierung** [Mar08]. **Implementing** [CTS+93, D+04, LFBB94, Tai98]. **Implications** [RM03, DLLN18, GTN+06, MT16, MT17, ZTA+21, DLL+16, Pat12, RVJ+01]. **Important** [SC18, CK06b]. **Improve** [GKXK13, GKBB15, KDB16, SAT09, YWGH13, YQZ14]. **Improved** [BRS+22, War80, BTLNBF+15b, KS20a]. **improvement** [YLH14]. **Improving** [AWR05, BHEP14, BCG73b, CFG+13, CFRSSR19, HXZ+16, HLW+13, IPRS21, JKB15, KL13, LCT+15, LBL16, LLWM23, LQD+18,

OSK15, QXH18, RSC+15, RSLAGCLB16, SP83, TCP+17, WKJ15, WHSE15, XNH21, BMF23, GVI13, HC12, JYW+13, LC14, OL13, UTO13]. **IMSA** [Ano99b]. **in-depth** [CBFH20]. **in-kernel** [Uhl07]. **In-Memory** [TF16]. **in-situ** [CKRJ17]. **In-VM** [LWLL10]. **in-VM-assisted** [PDM20]. **Inapproximability** [RS20]. **Incentive** [XLWZ18]. **Incentive-aware** [XLWZ18]. **included** [Ano97a]. **including** [B+07, CGW07, WG07]. **Incorporating** [GH91b]. **Increasing** [LWLL10]. **Incremental** [LXZ+21]. **Independent** [DHPW01, DS09a, KAH83, USE93, GPW03, PW03, PFH+16]. **Index** [Cox12]. **indexed** [JYW+13]. **Indirect** [tTR82, CEG07, EG03, JYW+13, KJM+07]. **individual** [LWLL16]. **induced** [ZLZ+19a]. **Industrial** [AAMBE21, QCM+24, PTD+18]. **Industry** [SXH+19]. **Inferno** [WP97]. **Inferring** [LHW+20]. **InfiniBand** [PRS16, RS16, YCL+18]. **influence** [Mly09]. **influencing** [BJ20]. **Information** [CAF+91, IEE93a, Int05a, Int05b, Int06b, Int06c, Int06a, SS75, SS05, Ano93, BSD19, LC09a, MD73, MD74, RRB17]. **Informed** [HKKW13]. **Infragistics** [Ano03b]. **Infrastructure** [ECM01, ECM02, ECM05, ECM06, HW12, Int05a, Int05b, Int06b, Int06c, Int06a, LPSS19, McC08, MJW+06, Nel04, NKK+06, NSC+22, OG16, Ott18, PP16, XH16, AO16, AMA+14, AA18, BDS+09, Car14, Hal09, HS13, HH13, Hui18, J+05, KN18, KSRL10, KR16, LLY+18, Low08, dOL12, YW20, MR04, PW03, RSF03, Fro13]. **Infrastructures** [WTM18, ZB20, ACG18, CSMB15, FPGK18, LPBB+18, MPM+20]. **Ingens** [KYP+17]. **inherently** [TDG+18]. **injection** [CP17b]. **InkTag** [HKD+13]. **Innovation** [ACM03a]. **innovations** [ABB+15]. **Input** [ACL72, Wal76]. **Input-Output** [ACL72]. **insider** [LC09a]. **Insiderinformationen** [LC09a]. **insiders** [KSS09, KS10]. **Insights** [Rev11]. **Inspection** [SKI+17]. **inspired** [KHA22]. **Installation** [Bec09, Bor01, KGG00, Lar09, WF03, Zim05, Zim06, MIS+05]. **Instance** [AMIA19, EMAL17, KCKC15]. **Instances** [WUNK17, ZG13]. **Instant** [HPP15, Joo06]. **Instruction** [Oi06, HW15]. **instructional** [DSSP06, DTW07, WO75]. **Instructions** [Qia99]. **Instrumentation** [ZFL15, BZA12]. **Instrumenting** [MZG14]. **Instruments** [BPB86]. **integer** [YTY00]. **integer-reference** [YTY00]. **Integrated** [BDF19, QLL+21, SP22, vCPWvT11, CWG00, HKJ19, YZLQ14]. **Integrating** [JMSLM92, LTT92, LCL14, OBSR16]. **Integration** [GMP89, VGF16, Ame13]. **integrierten** [Deu08]. **Integrity** [CW03, DL19a, DM75, (Fo71, (Fo78, QT06, WJ10, CS76, JXZ+10, KBC21, LXRS19, XHCL15]. **Intel** [AJM+06, CMP+07, DLM+06, Don06, KBC21, NSL+06, NKK+06, NBB+19, RSW+06, RI00, UNR+05, Uhl06, vSMK+20]. **Intelligence** [MR91, JNR12, MPA+18]. **Intelligent** [GH91b, PF23, FGZC23, HTAY21, JYOB18, PTD+18]. **intelligente** [PO09]. **IntelliJ** [Ano03a]. **Intensive** [WZH+16, BPM+22, GKJ+19, IKU15, JFZL17, dCJR16, KBDK22, LFHQ19, QXH18, SZKY21, VVB13]. **Inter** [cCWS14, GGM+16, RLZ+16, BML+13, CBZ+16, SWcCM12, SBP+17,

SWL+23, VOS12]. **Inter-Application** [cCWS14, SWcCM12]. **inter-cloud** [SBP+17]. **inter-connectivity** [VOS12]. **Inter-Domain** [GGM+16, BML+13, SWL+23]. **Inter-Virtual-Machine** [RLZ+16]. **inter-VM** [CBZ+16]. **interact** [EGD03]. **Interacting** [SK13a]. **Interactions** [cCWS14, SWcCM12]. **Interactive** [Hir17, LD05, MLA83, SSG90, WLS+18, YYY+23, Ber86, HMS04, KKJL14]. **Interconnect** [RCM+12, SKJ+17]. **interdependencies** [LBF12]. **Interface** [Cro93, SH04, Sun95a, Guz01, HP77, VL00]. **Interfaces** [CLKEF21, Mac79, PST+15a, WML02]. **Interfacing** [MC93]. **Interference** [LXW+23, NBH08, XLL+14, XLJ16, ZRD+15, ZLZ21a, HL13, gKEY13, LFHS23, SS13, VVB13]. **Interference-Aware** [XLL+14, XLJ16, ZLZ21a]. **Interferences** [ZRZY15]. **InterLISP** [II79]. **intermediate** [GLV99]. **internal** [SI81]. **internals** [MKM+08]. **International** [ACM00, ACM05a, ACM05b, ACM05d, ACM06b, ACM06f, Ano99b, BW03, IEE84b, IEE85, IEE93a, IEE96b, IEE02, IEE03, IEE04, IEE06b, IEE06a, LCK11, MS91b, MR91, Ost94, SS05, Shr89, Tho93, TLC06, ACM06c, JPTE94, M+06, HHK94]. **Internet** [Ano99b, CK06b, KGG00, ASL+20, AAMBE21, APST05, Ano03a, CHCC07, CK06b, CK06e, KB21, LLW98, Mon97, PTD+18, SXH+19, SDM21, WSX+19, Wid01]. **Internetkommunikation** [CK06b, CK06e, CK06c, CK06d, CK06g, CK06f]. **Internetprogramme** [CK06b]. **Internetprogrammen** [CK06e, CK06c, CK06d, CK06g, CK06f]. **Internship** [HMS17]. **Interoperability** [GSS+18, CPM+18, Men03]. **Interoperable** [TDMP23, KKB14]. **interposed** [ZSR+05]. **Interpretation** [FTNY69]. **Interpreter** [MSI18, SMK02, Ber86, KMMV14]. **interpreter/graphic** [Ber86]. **interpreter/graphic-simulator** [Ber86]. **Interpreters** [EG01, CEG07, EGKP02, EG03, Ert05, KKC+16, SYZZ+14, ZLBF14, Ert03]. **Interpreting** [Han05]. **Interpretive** [AS76, OJG91]. **interpretive-execution** [OJG91]. **Interrupt** [CL16a, TFtLcC15, AA18]. **interrupts** [AGH+16]. **interval** [AHRR22a]. **interval-based** [AHRR22a]. **Intranet** [Ano03a]. **Intrinsics** [PSBG11a, PSBG11b]. **introduce** [MS01]. **Introducing** [BG74]. **Introduction** [A+04, BG73b, CK06a, CK06b, CK06e, FDF05, IBM76b, KS08b, Sch94b, Sch94a, Boe15, Wün13]. **introductory** [BR01, Don88]. **Introspection** [CCML12, CLcC13, DGLZ+11, FL13a, NBH08, Pfo13, SIdLB15, WWMG06, DSR23, FL13b, HN08, HcC14]. **Introspection-based** [CLcC13]. **Intrusion** [HTAY21, AMA+11, LMJ07, MA17]. **intrusions** [JKDC05]. **intrusive** [ZXY+15]. **Invariants** [PEC+14]. **Investigation** [EVCL21]. **invited** [Piz17]. **invocation** [Ven97c]. **Invocations** [WZKP19]. **IoE** [SCC+23]. **IOMMU** [YWCF15]. **IoT** [AHKC23, ABB+19b, AMB+17, BSL+18, BLMP22, HCB18, KS20a, MPA+18, MA19, NBS18, PFPJ18, RC18, RNS+23, SJL20, TV18, XLL+20, XZL+20, ZYZ+18]. **IoT-enabled** [KS20a]. **IOV** [DYL+12, DCP+12, HB12, XD16, XD17, YWCF15]. **IP** [AM16, CF00, HWHW18, NTR18]. **IPv6** [GLQ+13]. **Iron** [Ano05].

**IronGrid** [Ano03b]. **irregular** [AC16]. **ISA** [CWH+14, DZ02, KNHH18, WLW+15, WCC16b]. **Ischia** [ACM06e]. **ISCOPE** [ACM01b]. **ISDF** [M+06]. **ISDN** [KGG00]. **iShare** [WTL+16]. **ISO** [Int05a, Int05b, Int06b, Int06c, Int06a]. **ISO/IEC** [Int05a, Int05b, Int06b, Int06c, Int06a]. **Isolated** [Jen79, ZD18, KKK+18]. **Isolation** [GGK18, WZL15, ZZW+21, ZTWM17, Cza00, GNDB16, JK17, MD73, MK19, MK23, WTL+16, YJZ+21]. **isolation-enhanced** [MK23]. **ISPA** [M+06]. **ISPAN** [HHK94]. **ISPs** [PST15b]. **ISSTA** [Ost94]. **Issue** [KM13b, TZB19, WYZAD20, Yur02]. **Issues** [AFG+17, AD11, Car23, KS08a, KK19, MZ20, PZH13, SABL20, SEF+06, Tur84, XKKL23, ARA20b, ARA20a, AGH+15a, AEB19, BB08, CBFH20, PBB13]. **Italy** [BW03, M+06, ACM06e]. **Itanium** [Ano06a]. **Itanium-based** [Ano06a]. **Items** [BB17]. **iterators** [ZLBF14]. **IV** [Int06c]. **IVME** [Ert03]. **IX** [BPP+17, IEE97].

**J** [AC98]. **J2EE** [JDJ+06]. **J9** [WKJ15]. **Jahrestagung** [Müh75]. **Jail** [McK04, Sar01]. **Jailed** [Wid01]. **Jalapeño** [AAB+00]. **January** [ACM99, IEE93a, Shr89, USE01b]. **Japan** [HHK94]. **Java** [ACM98, ACM01b, Ano00, Ano01a, Ano01b, Ano02, Ano03a, Sch13a, USE01c, USE01d, USE02, Wol99, ADM98, Ame13, AT16, Ano97b, Ano97c, Ano97d, Ano03b, AFT01, ABC+07, AC98, ANH00, BDF+98, BHDS09, BD01, BP01, BP03, Bri98, BZD17, Caa00, CW03, CT03, CH08, Cla97, Coh97, CDG97, Cra98, Cza00, Dalxx, Dal97, DHPW01, DD20, DEK+03, DS09a, DBC+00, DCA04, DLS+01, EGD03, Eng99, EL98, Eug06, FFB+00, Fra98, FK03, G+01, GGG03, GCARPC+01, GC00, GPW03, GBCW00, HT98, Han05, HM01, HOKO14, HWB03, HB08, Ive03, JR02, JJ02, Juo07, Kal97, KS13, LM99, LMG00, LB98, LV99, LY97a, LY97b, LY99, LYxxa, LYxxb, LYBB13a, LYBB13b, LYBB14, LTK17, MSG01, MO98, Men03, MD97, MDxx, MLG+02, MB98, Mon97, MP01, NG13, OT97, Oak14]. **Java** [Oi05, Oi06, Oi08, PTHH14, PNM+20, PRB07, PV06, Qia99, RVJ+01, RHR02, Ran02, R+13, Req03, RRB19, SMK02, SSB+14a, SD01, SE12, SH04, Sch13a, SSMGD10, Set13, SMSB11, SSB03, Shi03, SM01, SGV12, SEPV19, Siv04, Smi97, SSB01, SSB14b, SHB+03, Sun95b, Sun95a, SUN97, JCV99, Sun99, STS+13, SM02, Sur01, Tai98, Tol98, TO96, UBF+98, UR15, Van98, Ven97a, Ven97b, Ven97c, Ven97d, Ven99a, Ven99b, VED06, VED07, VL00, WL96, WGF11, Wak99, WH99, Wes98, Wol99, Won97, WWMG06, WZL+18, YC98a, YC98b, YME05, YKM17, Yel99, YTY00, ZP14, ZS01, vLSM01, Ano97a]. **Java-based** [Ano96, FF96, HOKO14, KS13, YC98b]. **Java/CORBA** [GCARPC+01]. **JavaCard** [BDJdS02]. **JavaScript** [AHK+15, CBLFD12, VP16]. **JavaScriptCore** [Piz17]. **Java**$^{TM}$ [LMG01, SMES01, CF00, RB01, vD00]. **Javy** [GGG03]. **JCloudScale** [ZLHD15]. **JDMM** [ZP14]. **Jenga** [TBS17]. **JET** [MLG+02]. **JetBrains** [Ano03a]. **jetzt** [KGG00]. **Jikes** [AAB+05a]. **Jini** [JJ02]. **JiST** [BHvR05]. **JIT** [JK13, PFH+16, THL03, WKJ17]. **JIT-based** [PFH+16]. **JIT-compiler** [THL03]. **JITs** [KRCH14]. **JN** [Mon97]. **JnJVM** [TGCF08].

**Job** [MNT14, PS19b, HKJ19, PC21, RAP19]. **jobs** [KS18b]. **jockey** [Hin97]. **John** [IEE06a]. **Joint** [CTP+17, FXHY21, MSLY24, MAK18, NTH+17, RJK+17, SJ21, WZV+13, YXL+20, ATZP21, LKR+19, SBNU18, SM23b]. **Jointly** [LWL16, XHW+19]. **Jon** [Ano97a]. **Jose** [Ano04b]. **journaling** [HC12]. **JP2** [SSB+14a]. **JPDA** [Sun99]. **JPF** [BA19, BA23, WKG17]. **JPR** [WKG17]. **jRapture** [SCFP00]. **JS** [AHK+15]. **judgment** [CSV15]. **July** [IEE06b, Sof83]. **Jump** [WBHN18]. **June** [ACM90, ACM01a, ACM01b, ACM05d, ACM06f, IEE85, USE85, USE86, USE01a, USE06]. **JVM** [Ano00, Ano01a, Ano01b, USE01c, USE01d, USE02, AC16, CSS+16, DBC+00, Guy14, Kha19, R+13, RRB17, SSB+16, SYZZ+14, SV15, Sub08, Sub11, Ven99b, WKJ20, WKG17]. **JVMPI** [Sun95a]. **JVMs** [BK14].

**K.** [Sch94a]. **Kailua** [Shr89]. **Kailua-Kona** [Shr89]. **Kaleidoscope** [LFBB94]. **Kanazawa** [HHK94]. **Kanotix** [CK06c, CK06h, CK06l, CK06r, CK06h]. **Karlsruhe** [RM03]. **KDE** [KGG00]. **Keeping** [NP13]. **Kernel** [FL13a, HD16, JJ91, KZB+90, SM90, SYB12, TY14, WLMD16, DD20, LWM14, LY23, Uhl07, VMBM12, KM13a, KM13b]. **Kernel-based** [TY14, KM13a, KM13b]. **Kernelized** [WCC16b]. **kernels** [HPHS04, RMB02]. **Key** [LCMV17, TF16, DPW+09]. **Key-Value** [TF16]. **Kinder** [CK06q, CK06t, CK06r, CK06s]. **Kingdom** [Vra05]. **kit** [Car06, LC09b]. **knapsack** [EYGS19]. **knew** [RAT17]. **Knob** [WUK+18, BR01]. **Knoppix** [CK06d, CK06i, CK06m, CK06s, Deu08, CK06i]. **knot** [LBF12]. **Know** [NBB+19]. **Knowledge** [FG91, FS19, IT86, RAT17]. **knowledge-based** [FS19]. **Kochbuch** [PO09]. **kompletten** [Mar08]. **Kona** [Shr89]. **Konfiguration** [Bor01, Lar09, WF03, Zim06]. **konfigurieren** [RHM08]. **Konsolidierung** [See08a]. **Konzept** [Dal97]. **Konzepte** [Tho08]. **Konzeption** [Zim06]. **krill** [BB20, KS18a]. **KScalar** [MRL02]. **Kubernetes** [BSNB20, Car23, ZB20]. **Kubernetes-Based** [ZB20]. **Kubuntu** [CK06e, CK06j, CK06n, CK06t, CK06e, CK06j]. **Kuck** [War11]. **Kundenserversystemen** [See08a]. **KVM** [Deu08, Hin08, DN14, GLC84, HWCH16, IYAK23, LZL+15]. **KVM-based** [HWCH16]. **KVM/370** [GLC84]. **KVM/ARM** [DN14]. **KylinX** [ZZW+21].

**L** [Lot91]. **lab** [AL05, HMS04]. **laboratories** [DTW07]. **Laboratory** [GPM21, Kim84, SVN+10]. **Labs** [See08b]. **lag** [ZMD+21]. **Lagrange** [SS22]. **Lagrangian** [GR15]. **Lagrangian-based** [GR15]. **Lake** [ACM03b]. **Lambda** [Wat86, Wat87]. **land** [Tsa14]. **Landing** [ACM03b]. **Language** [CDM+10, ECM01, ECM02, ECM05, ECM06, GSS+18, Hog08, Int05a, Int05b, Int06b, Int06c, Int06a, Kam83, Luc97, MR04, PW03, PFH+16, RSF03, SIR+17, SVB93, SUN97, WIDP12, WBHN18, Arv02, Ber86, BD01, BMER14, DH01, Don88, GLV99, Hog06, IT86, Juo07, KRCH14, Les74, MD12, MC93, PRB07, RJK16, RSW91, SKC73, SMO84, Taf11, Tai98, WCG14, WWH+17]. **Language-independent** [PFH+16]. **language-level** [WCG14]. **Language-Neutral** [WBHN18]. **Languages** [BS90, Dan86, GC00, KP99,

LFBB94, PTHH14, SSG90, Tol98, YKM17, ACM99, BDT13, Jou85, ML78, MRG18, PMC05, PULO16, SSB+16, Sus76, TB14, Wel02, Wu13, YWF09]. **LARD** [WCG14]. **Large** [DK93, GKBB15, PHL+12, RIP18, RGSJ17, SADP21, SLM89, XDLS15, ZSXZ07, ZLW+14, ZTA+21, BLRC94, DK75, FPGK18, LPD+11, Nie12, Req03, STMV18, SZ13, SHTE11, WCG21, YZSC17]. **Large-Scale** [PHL+12, SLM89, XDLS15, ZLW+14, ZTA+21, SZ13, WCG21, YZSC17]. **last** [Rob12]. **Latency** [ASSB18, BPP+17, BL17, MV16, RZPX19, IMK+13, MMTM22, ZSW+06]. **latency-aware** [MMTM22]. **Later** [FS12]. **launch** [AMIA19]. **launch-time** [AMIA19]. **Layer** [SKT+19, BTLNBF+15b, BTLNBF+15a, EBLM22, MA17, RSLAGCLB16, ZFY18]. **layered** [PSC+07]. **layering** [YWF09]. **LayerMover** [ZFY18]. **lazy** [Wak99]. **LDA*** [YZSC17]. **leadfoot** [HHPV15]. **Leaking** [vSMK+20]. **Lean** [WZL+23, SV15, Ven96]. **Learn** [BWH+19]. **Learn-as-you-go** [BWH+19]. **Learning** [BRX13, Che21, DS18, FFM+23, GPM21, HPS22, JYOB18, KKE19, KSVR23, MSC+21, RNS+23, XRL+22, ZXR+22, AD18a, AJBJ23, BMF23, GH20, GKT17, KRG+12, NNK21, QBL+23, RGAT18, RT18, WBW+19, WZZ+20]. **Learning-based** [DS18, ZXR+22]. **Learning-Driven** [XRL+22]. **legacy** [LU04]. **Legally** [Sam22]. **LegoSim** [RMB02]. **Length** [GR20]. **LEON** [PDL+23]. **Lern** [CK06q, CK06t, CK06r, CK06s]. **Lern-** [CK06q, CK06t, CK06r, CK06s]. **Lernprogramme** [CK06k, CK06m, CK06l, CK06n, CK06o]. **Lernprogrammen** [CK06k, CK06m, CK06l, CK06n, CK06o]. **Lessons** [RM03, LJZ12, Rob06, URJ18, HMS04]. **Leuven** [ACM04a]. **Level** [ASMA21, AC16, cCWS14, Chu06, DMS02, GCL+21, KHW+16, MMdE19, NTR18, RB01, SV13, ZSR+05, ZQCZ16, AD18a, AL05, BSM+12, BSD19, BSOK+20, But94, CLM+22, Cia07, EGD03, FLCB10, IM75, JHE14, LZY+24, LZW+17, ML78, SVN+10, SWcCM12, SSG90, WHSE15, WF07, WCG14, ZLZ13]. **levels** [CCMY07]. **Leveraging** [LLF+18, LDL+08, Pfo13, RTL+18, WHD+09, ZL13, AJD09, RAT17, ZBG+05]. **Libraries** [DK93, Int05b, DSS19, Won97]. **Library** [Cro93, SJS+17, KS20b, PBWH+12]. **libvirt** [Ano14c]. **License** [HO22]. **Life** [ZR06]. **Lifetime** [BFM+21, WJ10]. **Light** [WWL+17a, HB08]. **Light-Weight** [WWL+17a, HB08]. **Lightweight** [ABV12, CXLX15, PLZ20, Ran02, VN06, WJ10, YME05, ZLW+19b, ZTWM17, vMAT14, AMA+11, CCL+17, DQR+13, DL19a, PDM20, RQD+17, SSU+12, TMJ+21, TB14, XZ11]. **Like** [Abr80, RHV17, SSOT17, Voe86]. **LILA** [Dan86]. **Limbo** [Luc97]. **LimeVI** [WLG+11]. **limited** [CH08]. **Limits** [WBB+16, vKF13]. **line** [SV17]. **linguistic** [UR15]. **Link** [KLLT18, CRB12, GGJ+92, JK15]. **linked** [FC98]. **linking** [FC98]. **LINUX** [KGG00, Ano06a, CK06a, CK06b, CK06g, CK06f, CK06i, CK06h, CK06j, CK06o, CK06p, G+06, Mar08, USE00a, WF03, ABB19a, Bau05, Bau06c, BBHL08, Ble10, Bor01, CK06a, CK06b, Com00, Com03, DN14, Dav04, Fab13, G+06, GNDB16, MZG14, NSHW10, NV05, P+08, Ros14, Spr06, Spr07,

VMBM12, Wün13]. **Linux-based** [ABB19a]. **Linux-Server** [Mar08]. **Linux/OSS** [Ble10]. **Liquid** [Li14, ZL18a]. **LISP** [ACM90, CK87]. **List** [TT96]. **List-based** [TT96]. **Listing** [LKL+19]. **Literature** [BDF19, DCM22, ARA18, ARA20b, ARA20a, ZJRW19]. **LITL** [Lam75]. **little** [Men03, YYPA01]. **Live** [AGC18, AY24, BWH+19, CCZ+06, Deu08, DK17, ECJ+16, HKN22, HTB22, JFPL16, JDW+14, KKLV16, LSC+17, LZL+15, LJL+11, LH15, LZM+20, MZD+18, MK22, MSC+21, RJS+18, SHW+15, SKI+17, TUM18, XLL+14, XD16, XD17, ZRS+16, ZDLG17, ZXY+15, AS14, BAC15, BB08, DS20, EYG21, FGLI15, GJK+20, HLW+10, HTB19, HDG09, IMBB20, JKK+13, JFZL17, JGW+11, JGSE13, LFHQ19, NK22, NIA18, PKS+19, PDC+12, SS22, SSL+13, SLA+16, SHTE11, TDG+06, WLG+11, WRSvdM11, WRS+15, YW20, ZLLL13, Isl19]. **Live-Distribution** [Deu08]. **live-migration** [JKK+13]. **Live-Streaming** [MSC+21]. **lively** [STFH15]. **Liveness** [ADM98, LDL14]. **LLC** [KKH14]. **LLVM** [LH13]. **Load** [ARAAA19, BFM+21, CL16a, DY17, KAZS14, KK19, LW12, LYS+18, YWR+14, Bir94, DS18, GH20, KNHH18, TF16, XH90, XTB17, YWH+23]. **load-balanced** [DS18]. **Load-balancing** [KAZS14]. **Loading** [LB98, HSC15, WGF11]. **Loads** [LTE12, WCZ+23]. **Local** [ADM98, Oi08, PCR89, HJ10, KMT14, Oi05]. **Locality** [HSC15, SZ88]. **Localization** [YYL+15]. **Located** [LGJZ16, SOAK23]. **Location** [THB22, USE93, OG16]. **Location-Independent** [USE93]. **Locator** [SIJPP11]. **lock** [YTS14, YQZ19]. **lock-aware** [YQZ19]. **Logic** [DMS02, FD08, GH91b, UOKT84, Alf91, BY20, Bur02]. **Logic-Based** [FD08]. **Logical** [Com65, RT93, Lia05, TT93]. **Logically** [Jen79, KKK+18]. **Logics** [BW03]. **Logisim** [Bur02]. **logistics** [LZWC13]. **LogP** [CKP+93]. **Long** [KKLV16, KGS16, SOKE23]. **Long-Distance** [KKLV16]. **long-running** [KGS16]. **Longest** [HWHW18]. **Look** [HMS17, SMP22]. **lookaside** [CFG+13]. **Looking** [LHW+20]. **Lookup** [HWHW18]. **Loris** [AvMT11]. **Loss** [XDLS15, CHCC07]. **Lösungen** [Tho08]. **LOTOS** [MS91a]. **Louis** [ACM97]. **Low** [BPP+17, RZPX19, WCG14, ZHCB15, GE85, IMK+13, SJRS+13]. **low-cost** [SJRS+13]. **Low-Latency** [RZPX19, IMK+13]. **Low-level** [WCG14]. **Low-overhead** [ZHCB15]. **low-resolution** [GE85]. **LSTM** [CEPR22, EVCL21]. **LSTM-based** [CEPR22]. **LTTng** [WKJ15]. **Luminous** [KNT02].

**m** [USE01c, Abr82, KAH83, AS85a, AS85b]. **M-series** [KAH83]. **MA** [USE06]. **MAC** [SJV+05]. **MAC-Based** [SJV+05]. **Mach** [USE91, MRGB91]. **Machine** [AGJS16, AS85a, ABCC66, AAAF21, AAR22, ABV12, Ano00, Ano01a, Ano01b, Ano02, Ano04a, Ano04b, fLtNW14, AE01, Apr09, Arc07, AAK18, AGIS94, BWP85, BFHW75, Bai70, Bak83, Bal91, BDF+99, BH73, BN75, BWD+15, BFM+21, BJH+16, BG73a, BCG73b, BG74, CTS+93, CW03, CFH+79, CFH+80, Car13, CF00, CGC16, CRZH15, Cox09, CWL+15, CHPY17, CYX+17, Dalxx, Dal97, DHPW01, Dan86,

DCM22, DF96, DGLZ+11, Dom80a, DL19b, DJ77, ETAB22, EG01, FZD+24, FG91, Fie68, Fis01, FPS+02, (Fo71, (Fo78, FFM+23, FL13a, GKSP99, Gei02, Gen86, Gol69, Gol71a, GLBJ18, HHV+02, HHW10, Hal79, HTW+19, Han73, HH79, HKM+18b, Hir17, Hor73, HKKW13, HPS22, IBM72, IBM73, IBM76b, Ibs84a, JHS12, JJK+11, JMSLM92, JQWG15, JN15, JADAD06a, KC16, KS08a, KKE19, KSS+20, KSS+23, KMK16, KNT02, KF91]. **Machine** [Ken80, KDB16, Kim84, KAH83, KGZ+04, KLF+15, LCWB+11, LMM18, Lau87, LW73, Law00, LW11, LSC+17, LLW98, LTE12, Li14, LVM16, LGJ+18, LTT92, LY97b, LYxxa, LYxxb, LYBB14, LWLL10, LJL+11, LPB17, LFBB94, Loy92, LXM+16, MSG14, Mac79, Mad69, MS91a, Man16, Mar73, MZ20, McC74, MS70, MD97, MDxx, MDGS98, MKKE12, MA21, II79, NBH08, NBK16, NMG15, Nel04, NASD21, NLD+23, NSJ12, NL19, Olb78, PPTH72, PP73, PAC+22, PXG+17, Pfo13, PF23, PCC+16, PK75a, Pro00, Qia99, QT06, RNA+22, RG17, RLZ+16, Ren78, RI00, RSN+18, RT93, Ros99, RG05, Ibs84b, SL14, San88, Sch94b, Sch94a, SSB03, SMA18, SCP93, SSG90, SHZ+14, SB73, SHB+03, SVL01, Sun95b, Sun95a, SUN97, JCV99, TT96, TMV12, TY14, USE01c, USE01d, USE02, VTW16, Ven97a, VL00, WL96, WIDP12]. **Machine** [Wak99, WH99, WDL+20, WB81, WZH+16, WWL+17a, Wel94, WCSG05, WHD+09, WP97, WLCS17, XWJX15, XLJ16, XLWX19, YWY+17, YP15, ZDK+22, ZLW+14, ZRS+16, ZL16, ZCG+17, ZL18b, ZLZ+19b, ZCL+21, ZZF06, ZWL+18, ZXR+22, ZHL16, ZJXL11, ZTWM17, Zyt94a, Zyt94b, dSdF16, AD18a, Abr82, AS85b, AD19, AGSS10, AJBJ23, AGH+15b, AGH+15a, AHRR22a, AHRR22b, AT23, ATZP21, AAB+00, AC95, Ame13, Ano94, Ano96, Ano99a, AO16, AFT01, ABC+07, Arm98, AWR05, Arv02, AP18, ANH00, AMA+11, BB20, BDF+03, BBTK+17, Beg12, BPC94, BMF23, BJ20, BCM90, BRS+22, Bir94, Blu02, BADM06, BFC02, BY20, Bri98, CARB10, CL14, CD14, Car14, CEG07, Cav93, CFVP12, CS76, CHCC07, CCL+20, CLL+23, CBLFD12, CK06a, CK06e, Clo85, Cof99, CGV10, dCCDFdO15, CWG00, CD01, DSR23, DH01, DSC+08]. **machine** [DP11, DM93, DBC+00, DLH+20, Don87, DHD20, DJ76, DXM+17, DS22, EYG21, EGKP02, EG03, FGZC23, FLL+13, FS19, FM90, FA21, FSFP19, FMIF18, Fit14, FF96, FLM+08, FCG+05, Fre05, GGQ+13, GTGB14, GH20, GSKJ18, Gol74, GCARPC+01, GPW03, GR80, GBCW00, GLW23, GA18, HZL+18, HJ10, HKN22, HTB19, HUL06, HAK22, HK07, HcC14, HPHS04, HLBZ20, HSC15, Hui18, HPS23, IBM85, IBM88, Int88, IBM94, IBM96, IRB19, IKU15, JKK+13, JNR12, JC18, JGW+11, JADAD06b, Kal97, KOY05, KBDK22, KB21, KS13, KS20a, KSO+15, KS18a, KTB17, KK21, gKEY13, KCS14, KJLY15, KCKC15, KKC+16, KMG+18, KFF12, KHA22, KSS+18, Kou11, KCV11, KRG+12, Lam75, LBZ+11, Les74, LC02, LM99, LZWD15, LBL16, LWLL16, LYYY18, LLWW18, LFHQ19, LXRS19, LLZ+19, LZLY20, Lia05, LL14, LPZ+22, LWCZ22, LCL+23a, LCL+23b, LPBB+18]. **machine** [Lot91, LG93, LFHS23, LQD+18, LY23, MSG+12, MR23, MD73, MD74, MSG01, MNB24, DPBK16, MS17, Man18, MNA16, MS00, McG72, MC93, McM11, MRG18, MN91, MST+05, MW18, MHM19, EYGS19,

MAK07, MJ93, NZH20, NNK21, NK22, NOK+85, NAR19, NIA18, OG16, Oi08, ORPS09, PEL11, PFPJ18, PCB+18, Piz17, Pon19, Pul91, PS23, RKT20, RHR20, Raj79, RWC21, RZ14, Req03, RK18, RFBLO01, RY10, RJK+17, RCTY19, SZKY21, SBI21, SBBP20, SHR19a, SHR19b, Sch13b, SSMGD10, SEM+20, SHLJ13, SM23a, She91, SCEG08, SASG13, SSEA18, SL00, Sig89, SGGB99, SGGB00, SKC73, Smi97, SYMA17, SJL20, SMA+10, SBP+17, SSU+12, Str05, TSLBYF08, TMLL14, TDD20, Tay76, tTR82, THG+18, TIIN09, TB14, TT93, Tur84, Vag10, Van98, Ven96, Ven97b, Ven97c, Ven97d, Ven99b, VVB13, VGL23]. **machine** [WGF11, WKT08, WRX11, WZV+13, WKJ15, WCY+17, WSX+19, Web10, WHW20, WLL+13, WW77, Won97, XHL+13, XCJ+14, XJWW15, XZZ+16, XLWZ18, XZK+20, XXWG23, YME05, YZW+13, YLH14, YLHJ14, YPLZ17, YLCH17, YW20, YBZ+15, YYC+19, YWH+23, YLK+10, Yel99, YSM+21, YC16, YRJ18, YGN+06, YQZ14, YQZ19, YTY00, ZG13, ZXW16, ZYZ+18, ZLZ15, ZLH+15, ZHHC17, ZFY18, ZWC+19, ZLZ+19a, ZBP07, ZLW+19a, ZFL+23, ZLL+16, ZL13, ZLLL13, ZWH+17, ZLCZ18, ZYLY18, ZWC+14, dSOK17, AEM+14, AAB+05a, Ano97b, Ano97c, Ano97d, AC98, BD01, BP01, BP03, BZD17, Caa00, CCWY05, CK87, Cla97, Coh97, CDG97, Cra98, Cza00, DD20, DCA04, DLS+01, Eng99, FS11, FFB+00, Fra98, FK03, Fuj91, GKP+19, GGG03, GC00, HT98, HM01, HLW+23, HWB03, HB08, Ive03, JR02, JDJ+06, JJ02, Juo07, KM13a, KM13b, LMG00, LMG01, LB98, LV99, LY97a, LY99]. **Machine** [LYBB13a, LYBB13b, LTK17, Men03, MB98, Mon97, MP01, OT97, Oi05, Oi06, PTHH14, PNM+20, PRB07, Ran02, RRB19, RB01, SMK02, SSB+14a, SH04, Sch13a, SMES01, Set13, SMSB11, Shi03, SGV12, Sim92, Siv04, SSB01, SSB14b, SM02, Sur01, Tai98, THB22, Tol98, TO96, TR88, UR15, Ven99a, Wel02, Wol99, WWMG06, vD00, Ano97a]. **Machine-Based** [LW11, WB81, CGV10, WKT08, YZW+13]. **Machines** [Ano75, AY24, ASSB18, Att73, AH68, BMS16, BP99, BDJdS02, BSSS14, BWH+19, Bee05, BB13, BJPS73, BRX13, BG73b, BCG73a, CL17a, CWL12, CCML12, CWS12, CGMD19, CSS+13, CL16a, CCO+05, CH78, CHLY18, CDN02, DSM14, DEK+03, Den01, DK17, DMR10, DKW15, Do11, EGR15, EGJS15, ECJ+16, Ert03, EDS+15, Gai75, Gal73, G+01, GTS+15, Gol71b, Gol73b, Gum83, Han73, HKLM17, HTB22, HB17, Hof20, HS06, HPP15, Ian14, JE12, Jen79, JXL+12, JAS+15, JKJ+10, KCWH14, KJL11, KP15, KPHA20, KAH83, Kov19, LMR18, LZL+15, LYYY17, LLWM23, LD05, LXW+23, LHAP06, LW12, LJL+15, LLZ18, Mac79, Mal73, Man15a, MD12, MGL+17, MM94, Par71, Par72, PSBG11a, PS16, Ran20, Rev11, Ros04, SD01, SCSL12, SV13, SN05a, SN05b, Sta97, SKI+17, Sup04, TTH+19, TV12, UT87, Vog03, WLW+15, WGLL13, WZL15]. **Machines** [WLLZ16, Win71, XSC13, XLL+14, XLL+20, ZRD+15, ZWC+23, vLSM01, Ågr99, ABB19a, AAH+03, ADA+19, AGH+16, ATS16, AAM+16, AMAB17, AS14, BAC15, Bac11, Bag76, BML+13, BDF+98, BDQR23, BHvR05, Bel06, BB12, BB15, BJ22, BPM+22, BBM09, BBS06, BB95, CL17b, CGM17, CSSE21, CCL+17, CH08, Cra05, Cra06, CWdO+06, CLL+13, DDS+94,

DC15, DEG+17, DQLW15, DSZ11, DCMW17, EB20, EGD03, EM06, Ert05, EL98, EMS15, FBZS12, Fit14, FHL+96, FGLI15, FX06, Fu10, GI12, GVI13, GJK+20, Gol73a, GKJ+19, GLV+10, HKS19, HM18, HMH17, HZZ+14, Hin97, HDG09, Hol95, IMBB20, JES+15, JWH+15, JDW+14, JGSE13, JYOB18, KDK20, KSSG16, KRCH14, KBB11, KBC21, KR16, LMJ07, LZC+16, LLF+18, LJL12, LQW+12, LF19, LC13, LTZ+14, LSS04, Man15b, Mat09, MK19, MK23, MG13, MRG17, MMTM22, hTMAC+08, MPM+20, NK10].
**machines**
[NOR15, PKS+19, PFH+16, PSBG11b, PMC05, PDM20, PBYH+08, PRS16, PV08, uRQS20, RK16, RH17, RHR02, RG19, RT18, SJB14, SS13, SENS16, SNV10, Sch09, SSN12, SJJ+12, SJW+13, SWH+13, SLC20, SS22, SSL+13, SPAK18, Ste14, Str13, SK13c, SLA+16, SHTE11, Syr07, TZK17, TGCF08, TMMVL12, TDG+06, TtLcC13, VT14, VED07, VWT13, WQG15, WXZ+17, WDT18, WCS06, WSVY09, WRSvdM11, WRS+15, WCG21, WCZ+23, XNH21, XHCL15, XWX+17, XTB17, XA22, YC98b, YWF09, YLJ22, YWGH13, ZBG+05, ZWHC17, ZWL09, ZSRR22, ADM98, BHDS09, CT03, Cla97, MLG+02, PEC+14, SM01, UBF+98, VED06, YC98a, ZS01]. **macro** [Wel02]. **macro-architecture** [Wel02]. **Made** [Ste05, PDL+23]. **Mail** [Joo06]. **Main** [AW17, AMH+16]. **mainframe** [GBO87]. **Mainstream** [Uhl06, BBHL08]. **maintaining** [HBP06]. **maintenance** [LSS04]. **Major** [Cap21]. **Make** [THB06, BC10, DMH18]. **makes** [Wal10]. **Making** [HKKW13, NSC+22, Voe86, XLL+14, CFRSSR19, FA21, SJJ+12]. **Malicious** [SMA18, Kip21]. **Malware**
[CLS07, CD12, GG11, AD18a, CVWL13, CWdO+06, PDM20, YJZY12]. **MAN** [TDG+06, YYPA01]. **MAN/WAN** [TDG+06]. **manage** [Car14, Fit14]. **Manageability** [Gua14, MW05]. **managed** [CBGM12, CFG+13, GK05, RJK16]. **Management**
[AW17, CMK+16, CTP+17, DMR10, HTW+19, HC17, HTB22, KGGS17, KGGS18, KR18, KL14, Lar09, LJL+15, LCMV17, LCFL12, LXM+16, MBWW86, MDGS98, PLMA18, PYYG21, RC18, SMES01, SC17, SDD+16, SKT+19, SP22, TB17, WIS+15, WLW+15, WGLL13, YYY+23, ZCL+21, AHK+15, ATS16, ARMMA18, BAC15, Beg12, BBMA91, BHDS09, BN89, CH08, Cla05, EBJ17, Fit14, Fu10, GTGB14, GLK+12, GAHL00, HKJ19, HB13, IMK+13, IPRS21, KCKC15, KMG+18, KF18, KB17, LLS+08, MR23, MS00, MBA+12, NBS18, NS07, dOL12, PMP23, RH17, RHR20, RP07, RJK16, SBBP20, SG10b, SWC08, TRG13, Wal02, WDCL08, WWWL13, WB16, WCS06, WSVY09, YLCH17, YWTC15]. **Management-Complexity** [SP22]. **Manager** [Car13, Car14, KMT14, Apr09, MBA+12]. **Managing** [BB13, KGZ+04, LCZ+19, BCP+08, J+05, YLHJ14]. **Manipulating** [GK05]. **Manipulation** [VGF16]. **Mantle** [BB95]. **Manual** [CRZ83]. **Manufacturing** [NHL22, LLS14]. **Many** [Bai70, JAD19, JYM+23, LPB17, SXMX+18, CLL+13, DQR+13, FGZC23, WR07]. **Many-Accelerator** [SXMX+18]. **Many-Core** [JYM+23, JAD19]. **Many-Objective** [LPB17, FGZC23]. **Manycores** [HPP15, KHW+16]. **Mapped**

[HW93, BLRC94, SV15]. **Mapper** [AJ18]. **Mapping** [Bak83, CFM17, PS16, PCC+16, BSOK+20, CRB12, HS13, HSC15, JK15, UR15, YXL+20, WK08]. **MapReduce** [HSC15, RAP19, XYYY17]. **March** [ACM06d, Ano10, SS05]. **Marine** [MMG+18]. **Market** [LS15]. **marketplace** [KMK10]. **Markets** [TVKB16, XRL+22]. **Markov** [BL17, MTFK19, NZH20, RH17, RHR20, SC17, WQG15]. **Markov-based** [NZH20]. **Marriott** [USE01a]. **Mars** [BC19]. **Maryland** [Ano93]. **Maschinen** [Zim06]. **Massachusetts** [USE93, USE01a, IEE85]. **Massively** [BS90, Kra90, MM93]. **Mastering** [CBER09, Low09, Low11, LMG+14, McC08, Sub11]. **Matching** [CFM17, Cox07, Cox09, Cox10, Cox12, YDW18]. **Maté** [LC02]. **matrix** [Kra90]. **maximally** [SS19]. **Maximization** [MLXG19, ZHW+17, JWH+15, KTB17, LWLL16]. **Maximizing** [BYBYT16, ZRD+15]. **May** [ACM00, ACM06e, Ano04b, IEE84a, IEE90a, IEE91, IEE01, IEE06a, Mar81, TLC06, USE99, USE06, Yur02]. **mayfly** [DS22]. **MBSA** [CCL+17]. **MC** [XJW+18]. **MC-VAP** [XJW+18]. **MC68020** [MMM84]. **MCG** [ZGW+06]. **MCG-mesh** [ZGW+06]. **MDev** [PYDG22]. **MDev-NVMe** [PYDG22]. **MDRUs** [MTFK19]. **Mean** [ARAAA19, Ven96, ZB18]. **Measurement** [ACM81, Cal75, WLS+18, LXRS19, XHCL15]. **Measurements** [WZL+23, KBC21]. **Measures** [Att79, SM92]. **Measuring** [LWLL10, XHL+13]. **MEC** [SDM21]. **Mécanismes** [Han73]. **mechanics** [MC98, Uhl07]. **Mechanism** [LCT+15, LLZ18, MD12, TVKB16, Mly09, SIRP17, SYMA17, YLH14, YLWH14, YLJ22, ZLH+15]. **Mechanisms** [Han73, NMG15, Nel04, XRL+22, KHA22, MG13, RHZ+17, TMMVL12]. **MECOM** [JDW+14]. **Media** [JW17, ZCG+17]. **Mediated** [PYDG22, XYD+18]. **Meet** [JW17, FHL+96]. **Meets** [BBM+15]. **Megalos** [SADP21]. **Megh** [BWH+19]. **mehr** [Joo06]. **Memento** [CPST15]. **MemFlex** [ZLSI17]. **memories** [Pat12]. **Memory** [AW17, AZEE17, AZEE18, AMH+16, Bad82, Bro89, VMW+19, CLŁS12, Cro93, GHS17, GGJ+92, GKBB15, HHS18, HHC+16, HPP15, JJK+11, KLY20, KGGS17, KGGS18, LW11, LH16, LSSC22, LJL+15, LZW+17, LXM+16, MKKE12, PP73, PDY+23, RC18, RLZ+16, RWX+12, RGSJ17, SMES01, SLM89, VTW16, Wal02, WWH+16, WWL+17a, WK90, WTLS+09, WZL+18, XML+18, ZL18a, ZLSI17, ZCL+21, AHK+15, ASPP22, ATS14, Ano15, BHDS09, BFS+18, CWH+14, CWC+14, CLcC13, CH08, CMM+06a, CMM+06b, CMM+06c, GPS+18, GMK17, GVI13, GNDB16, GLV+10, HKN22, HB13, HHPV15, HUWH14, JSK+13, JDW+14, KB17, LLWW18, LFHQ19, LJYZ15, LF19, LLS+08, MS00, PNM+20, PPO14, RO16, RJK16, SEPV19, SOKE23, VED07, WWS89, WZW+11, WWWL13, WK08, ZP14, ZWKX17, ZHCB15, ZWL09, ZL13, TF16]. **Memory-Aware** [JJK+11]. **memory-based** [SOKE23]. **memory-limited** [CH08]. **Memory-Oriented** [ZL18a]. **memory-performance** [SEPV19]. **Memory-Resident** [WK90]. **merging** [TLX17]. **mesh** [SJRS+13, ZGW+06]. **Message**

[GGM+16, DM93, TO91, UR15, XH90]. **message-passing** [TO91, UR15, XH90]. **messaging** [Joo06]. **meta** [BT15, HAK22, SBNU18, TSR19]. **meta-heuristic** [HAK22, TSR19]. **meta-heuristics** [SBNU18]. **meta-tracing** [BT15]. **metacircular** [PBAM17]. **Metacomputing** [MDGS98]. **metaheuristic** [ATZP21, EYGS19, XA22]. **metaheuristic-based** [XA22]. **metaheuristics** [ARMMA18, SEM+20]. **metal** [AGH+16, GAH+12, OSK15]. **Method** [AAT+22, AAMBE21, AC16, BP99, BA19, DEK+03, HT98, LZL+15, Mar73, QLL+21, RSNK17, SXH+19, TTH+19, ZAI+16, ATZP21, BJ22, CSSE21, DXM+17, JKK+13, JXZ+10, LYYY17, LYYY18, LXRS19, LYY+20, MHM19, MA19, NS17, SEM+20, THH+14, Ven97c, XZK+20, XA22, YLHJ14, ZFL+23, ZSRR22]. **Method-Level** [AC16]. **methodology** [FS89]. **Methods** [BDG18, HSN17b, KKS+19, Pfo13, Qia99, UT87, WH99, AAC+17, BMWB86, MG19, NK22, XH90]. **metric** [SS17]. **metrics** [BSOK+20, Sch13a]. **Metriken** [Sch13a]. **Metron** [KBK+21]. **Mexico** [ACM00]. **Meyer** [Ano97a]. **MGC'05** [ACM05b]. **MI08** [Hin08]. **Micon** [BGS89]. **Micro** [ZD18]. **Micro-Computing** [ZD18]. **Microarchitectural** [MSI18, CJJ+22, EGD03, SK13b]. **Microarchitecture** [SVM+23]. **microcomputer** [UBL+82]. **microcomputers** [GBO87]. **Microgrids** [GPM21]. **microkernel** [GMR93, Sto07, Uhl07]. **microkernel-based** [Sto07]. **Microkernels** [FHL+96, HUL06]. **Micromachines** [Sch73]. **Microprocessor** [Ran02, ACT94, WW77]. **microprocessors** [But94]. **microprogrammable** [Bag76]. **microprogramming** [ML78, SP83, Tho73]. **microservice** [BNS18, WGW+18]. **microservice-based** [BNS18]. **Microservices** [Kol19]. **Microsoft** [Lar09, Zim05, Ano99a, B+07, Car13, CBER09, Gal09b, Joo09, Kal97, KVV09, KSS09, KS10, Lar09, MRM06, Nou92, Ste05, Won97]. **Middle** [ZYH+19]. **Middleboxes** [KRS+17, YDW18]. **Middleware** [ACM05b, HOKO14]. **Migrate** [YBZ+15, CLL+13, KB21]. **Migrating** [JE12]. **Migration** [AGC18, ABV12, AY24, BWH+19, BFG+14, BWD+15, CYX+17, DK17, EMAL17, GWZ16, HTB22, HPS22, KC16, KGS16, KKLV16, LSC+17, LZL+15, LJL+11, LH15, LZM+20, MZD+18, NBK16, PS19b, RSNK17, RSN+18, RJS+18, SL14, SHW+15, TMV12, XWJX15, XLL+14, XD16, XD17, XLWX19, YWR+14, YWW+15, ZRS+16, ZCG+17, ZDLG17, ZLZ21a, vLSM01, AGH+15b, AGH+15a, AS14, BAC15, BMF23, BB08, CLcC13, DS20, EYG21, FGZC23, FMIF18, FGLI15, GJK+20, HLW+10, HKN22, HTB19, HH19, HAK22, HDG09, HPS23, JKK+13, JGW+11, JDW+14, JGSE13, KN18, KLY20, KSS+20, KSS+23, KTB17, KJLY15, LZWD15, LZC+16, LFHQ19, LLZ+19, DPBK16, MG13, NK22, NAR19, NIA18, PC21, PKS+19, PDC+12, PFPJ18, PCB+18, RK16, RCTY19, SEM+20, SM01, SS22, SYMA17, SSL+13, SLA+16, SHTE11, TK20, TDG+06, WCY+17, WSX+19, WDT18, WLG+11, WRSvdM11, WRS+15, XWW+21, XA22, YW20]. **migration** [YBZ+15, ZLZ15, ZHHC17, ZFY18, ZLZ+19b, ZLZ+19a, ZFL+23,

ZNSL14, ZLLL13, ZYLY18, MK22, TUM18]. **Migrations** [WVT+17, CBJ22, GSKJ18, JES+15]. **MigVisor** [ZDLG17]. **MIMO** [LZ15]. **Mini** [ZXY+15]. **Mini-intrusive** [ZXY+15]. **Miniboxing** [UTO13]. **minicomputer** [KK79]. **MiniComputers** [Har77]. **minidisk** [Boz89]. **Minimal** [LPD+11]. **Minimal-overhead** [LPD+11]. **Minimization** [GR20, Kha19]. **Minimizing** [LGJ+18, RSNK17, RKRK17, ZRD+15, RK16, SZ13, THG+18]. **Minimum** [BAC15, FSH+13, ZLZ15]. **Minimum-cost** [ZLZ15]. **Minimum-energy** [BAC15]. **Mining** [NASD21]. **MINIX** [Kel06, vdK09]. **Minneapolis** [IEE92]. **Minnesota** [IEE92]. **MIPS** [MTJ+22, RWX+12]. **MIRAGE** [PC21]. **mirror** [Rob06]. **Misalignment** [SC18]. **misses** [BLRC94]. **Misson** [Ano10]. **Mistakes** [Ste05]. **Misuse** [Aln22]. **Mitigate** [WWL+17a]. **Mitigating** [ASSB18, IYAK23, WZKP19, ASB18]. **Mitigation** [LGR14, IRB19, vCPWvT11]. **Mixed** [PA21, WLMD16, LWM14]. **Mixed-Criticality** [WLMD16]. **Mixing** [LD05]. **MLN** [Beg12]. **MMU** [XYD+18]. **MO** [ACM97]. **Mobile** [CPKL17, CPS17, CWH+16, LH16, LGXC23, LYS+18, MV16, RSN+18, SGB+16, SML18, USE93, WVT+17, WCC20, XZL+20, ZLW+19b, BD11, BBD+10, CM18, FGZC23, FC98, HLW+10, IIK+06, ISE08, LLLE17, LFHS23, SASG13, WHSE15, ZLZ+19a]. **mobility** [FX06, SBP+17, ZLZ+19a]. **mobility-induced** [ZLZ+19a]. **Mode** [Dav04, CWH+14, Cof99, YLJ22]. **MODEF** [SMO84]. **Model** [Bar73, BRX13, CHW12, DL19b, GGK18, HKM+18b, IBM76a, KKTM17, KF91, KCY22, KAZS14, LLWM23, MTFK19, MV16, MP01, Nel04, NSJ12, WLCS17, XDLS15, YLH17, ZDLG17, AJBJ23, Bar78, BMF23, BCM90, Bir94, CKP+93, EYG21, Fre05, JFZL17, NNK21, RHR20, Req03, SS13, TMJ+21, WO75, YZLQ14, ZP14, ZBG+05, ZGL+17]. **Model-Driven** [NSJ12]. **Model-Free** [BRX13, AJBJ23]. **Modeling** [ACM81, CH78, GLL+21, IN87, KRG+12, LDL14, PFNC20, SHB19, TIIN09, WDL+20, WLS+18, WZZ+20, XWH+16, BPM+22, BB95, FX06, gKEY13, SK13c, TLX17, YZSC17]. **Modelling** [DPBK16]. **Models** [DSM14, HBL+10, HWB03, KKE19, Man15a, RSW+06, SL16, TUM18, ADG+92, BKR20, CPM+18, CBFH20, HCJ07, Lia05, RO16, VVB13, WDT18, Ble89]. **Modem** [Ano03a]. **Modern** [BDG18, EG01, FKZ17, GG11, KKS+19, FIF+15, KB17, ZDK+19]. **Modification** [Aln22]. **modified** [FS19]. **Modular** [AvMT11, ADWM18, DCA04, FC98, LH13, TO91]. **Modularity** [SVB93, DNR06]. **Modulation** [WUK+18]. **module** [DJP+24]. **möglichen** [Hin08]. **moldable** [HZZ+14]. **Molecular** [YWCF15]. **MOLP** [ZB18]. **monad** [Dan12]. **Monitor** [LXM+16, PDL+23, QT06, Ren78, RI00, RT93, Ros99, SVL01, AGSS10, ALL06, AMA+11, Cof99, KOY05, Kou11, SHLJ13, SSU+12, TT93, XZ11, ZYZ+18]. **monitor-based** [AMA+11]. **Monitoring** [BAL15, CCML12, DLX+17, LZW+17, PLZ20, RHV17, WLLZ16, ZL16, ZL18b, ZXY+15, ACT94, CL14, EYG21, JXZ+10, JADAD06b, LMDP19, WSX+19, YCL+19, YW20]. **Monitors** [JHS12, KS08a, KF91, RG05, WCSG05, BDF+03, FLM+08, HUL06, HPHS04, YME05]. **Monona** [ZL18a].

**Monterey** [ACM05a, Ano01b, USE91, USE01c]. **mori** [CPST15]. **Mortar** [HUWH14]. **most** [CK06b]. **motion** [Lia05]. **Motorola** [Ano03a, MMM84]. **move** [BGS13]. **Moving** [Cre10b, Cre10a]. **MPSoC** [BHI15]. **MPSoCs** [OVI+12]. **MS** [Tho08]. **MU5** [MDFS72]. **Multi** [AVNR19, ABV12, AP18, BB17, CLG+10, DY17, DLS+01, Fie68, GSS+18, GLBJ18, HMH17, HC17, HCB18, HPcC04, KSVR23, KR18, LZLY20, LLS14, LH15, LCZ+19, MMdE19, MD12, MP16, MM94, PXG+17, PNT12, RTL+18, SL14, SCL+19, TTH+19, TSR19, TK20, WLL+13, XCSM18, XZL+20, ZL18a, ZRZY15, AD18a, AL05, ATS16, BB20, BDQR23, Bor07, BY20, DEG+17, DHD20, DS22, FGG14, GGQ+13, GKP+19, GH20, HZL+18, JHE14, KMT14, LC14, LYYY18, LLZ+19, LCL+23a, LCL+23b, MPM+20, RK18, RPE12, STMV18, SE12, SWH+13, SS19, SM23b, SIK+16, SWW+18, SOKE23, WDCL08, XZ11, XJW+18, YKS16, YTS14, ZMD+21, ZNSL14, ZLL+16, JDJ+06, NMS+14]. **Multi-Access** [Fie68, HCB18]. **Multi-Agent** [PXG+17, ABV12, DHD20]. **multi-attribute** [SS19]. **Multi-Capacity** [BB17, HMH17]. **Multi-Channel** [TTH+19]. **Multi-Cloud** [AVNR19, DEG+17]. **multi-connection** [XJW+18]. **Multi-Context** [ZL18a]. **Multi-Core** [KR18, RTL+18, PNT12, SWH+13, YTS14]. **multi-course** [AL05]. **multi-criteria** [ATS16]. **Multi-dimensional** [HPcC04, ZMD+21]. **Multi-Dispatch** [DLS+01]. **Multi-domain** [TK20]. **multi-faceted** [BDQR23]. **Multi-GPU** [NMS+14]. **Multi-granularity** [LLS14]. **Multi-Language** [GSS+18, MD12]. **Multi-Level** [MMdE19, AD18a, JHE14]. **Multi-Objective** [GLBJ18, AP18, LZLY20, SL14, SCL+19, TSR19, BB20, BY20, DS22, GGQ+13, GKP+19, GH20, HZL+18, LCL+23a, LCL+23b, MPM+20, RK18, STMV18, SM23b, ZLL+16]. **multi-platform** [XZ11]. **Multi-processor** [WLL+13]. **Multi-Provider** [MP16]. **multi-resource** [LYYY18, LLZ+19, SOKE23]. **multi-server** [LC14, RPE12]. **multi-source** [SIK+16]. **Multi-stage** [CLG+10]. **multi-start** [KMT14]. **Multi-tasking** [JDJ+06]. **Multi-Tenancy** [DY17]. **Multi-Tenant** [LCZ+19, ZRZY15, SWW+18, YKS16]. **Multi-threaded** [HC17, FGG14, SE12]. **Multi-Thresholds** [XCSM18]. **Multi-Tier** [KSVR23, LH15, XZL+20, WDCL08, ZNSL14]. **multi-user** [Bor07]. **MultiCache** [NsP16]. **multicast** [AAC+17]. **multicomponent** [BRS18]. **Multicore** [FRD+08, HHW10, Ian14, Man16, SOAK23, ZD18, CP17b, KNHH18, SE12, SSMGD10, SJJ+12, Sub08, WCC+16a, WCS09, WJGA12, YQZ14]. **Multicore-Aware** [Man16]. **multicriteria** [CFRSSR19]. **multidimensional** [dCJR16]. **multigrid** [AGIS94]. **multihost** [Bar06]. **MultiLanes** [KHW+16]. **Multilayer** [VLZL16]. **Multilayered** [NsP16]. **Multilevel** [DD20]. **Multimedia** [Ano99b, CAF+91, FLZ17, ZKWH17, BTLNBF+15b]. **Multipath** [CFLL19]. **Multiple** [HTB22, BG20, CSV15, Com00, GMR93, IKU15, OKAM17, SS22, SLA+16, TMMVL12, TtLcC13]. **multiplicity** [SM79]. **multiplier** [SS22]. **multiprocessing** [DBO+18, TLD+89]. **Multiprocessor** [AGLM91, Dun86, NL19, KKJL14, WXZ+17, Bro89].

**Multiprocessors** [Bad87, Cro93, SLM89, TO91, WWS89, WWT89, AGIS94]. **multiprogramming** [Abr82]. **multitarget** [Bar06]. **Multitasking** [CD01, ZWC+23, IBM96, TLD+89]. **multitasking/multiprocessing** [TLD+89]. **multitenant** [LZW+15, MK23]. **Multithreading** [LRZ16, ABB+15, PV06]. **Multitier** [XRL+22]. **musical** [BB08]. **mutual** [SGS92]. **Mutually** [SOAK23]. **MVM** [GMR93]. **MVP** [Lot91]. **MySQL** [Wün13].

**Nam** [Fro13]. **Named** [War11, XWJX15]. **Nancy** [Jou85]. **Naplus** [ZWKX17]. **Narrow** [YSS+17]. **Narrowing** [DGLZ+11]. **Nash** [uRQS20]. **Nassau** [Ano99b]. **Nation** [HS19]. **Nation-Wide** [HS19]. **National** [Ano93, SVN+10, WZH+16]. **Native** [AC98, UT87, EL98, RPE12, STS+13]. **NATUG** [Boa90]. **NATUG-2** [Boa90]. **Nature** [KHA22]. **Nature-inspired** [KHA22]. **NC** [Boa90]. **NDSS** [Ano10]. **Near** [ASPP22, LJFS17, UT87, XRL+22, LKY+17, RPE12, TDG+18]. **Near-memory** [ASPP22]. **Near-Native** [UT87]. **Near-Precise** [LJFS17]. **near-threshold** [TDG+18]. **Neat** [BB15]. **need** [BGS13, GLK+12, WCS09]. **needs** [BKT+19, STFH15]. **Negotiation** [ABV12]. **Nested** [HBL+10, GHS16, KS20b, RQD+17]. **nested-virtualization** [RQD+17]. **Net** [MBK+92, Tur92]. **NetAdvantage** [Ano03b]. **NetKernel** [NSC+22]. **NetLCR** [Joo06]. **nets** [NMC18a, NMC18b]. **Netstumbler** [Joo06]. **NetWare** [WF03]. **Network** [ACM98, RM03, AFG+17, AP22, AVNR19, ASL+20, Aln22, Ano10, AO16, ACA16, BYZZ20, BLMP22, BRIdM10, BL17, BHEP14, CFM17, CBJ22, CPS17, CMK+16, CFLL19, Che21, CKT08, Cre10b, CTP+17, DW14, EMAL17, ELC+19, EVCL21, EMW16, FXL+23, Fis01, FML+22, FLZ17, GHM+18, HTAY21, HLPY16, HSL17, HB12, HJG18, IKU15, JW17, KKE19, KKTM17, Ken80, KLR+20, KAZS14, KLLT18, LXL+22, LLW+16, LHW+20, LCZ+19, LDRS18, LCFL12, MLXG19, MDZ+21, MSLY24, MAK18, MP16, MCZ06, Mon97, MR06, NLD+23, NSC+22, Nou92, PHL+12, Pap20, PHXL19, PCR89, PST+15a, PHC20, Rix08, RS20, RKRK17, SADP21, SN23, SKT+19, SSOT17, SP22, TSN+23, UVL+13, VV18, WB81, WZL+23, XWH+16, XWW+21, XD16, XD17, YJZ+21, YYY+23, YWH+21, ZWFX17, ZZG+23, ZHHC17, ZSP+21, ZLZ21a, ZWH+17, ZKWH17, ACM06c, AM16, AMIA19, ALW15, BG20, BCC+15]. **network** [BCM90, BL90, BH13, BBS06, CBZ+16, CB10, CRB12, Cre10a, DS19, DS18, DYL+12, FCD09, FLL+13, FZS+20, FJKK17, FK13, FSH+13, GLQ+13, GLLJ16, HH18, HH19, HS13, HBP06, IM93, JAC+19, JK15, KBDK22, KSO+15, KK21, KKK+18, KWZ+19, LYYY17, LLZ+19, LRP+19, LMDP19, LQD+18, DPBK16, MK22, MSZ09, MHS21, NTH+17, OKAM17, OK90, PJZ+19, PFNC20, PST15b, PBL+16, QBL+23, RK16, RWC21, SHB19, SOKE23, SZL+14, SWL+23, TSR19, TK20, TSCB19, Tur84, UBL+82, VOS12, WWS89, WHC16, WCC16c, WBW+19, WZZ+20, WC91, WYZAD20, XHW+19, YCL+19, YLTF20, YXL+20, ZLZ+19a, ZJRW19, ZGL+17, BCZ19, CEPR22, HTAY21, MCJ19, TF16, YWL+18].

**Network-Aware** [CTP+17, AO16, IKU15, ZHHC17, KK21, LQD+18]. **network-based** [LYYY17]. **Network-hosted** [CKT08]. **Network-I** [RM03]. **Network-I/O** [RM03]. **networked** [CT03, HKN22, NBS18, SBNU18, SGGB99, SGGB00]. **Networking** [ACM04b, CPKL17, IEE06b, LCK11, MLA83, Pap20, SN23, SS05, SB18, XWJX15, ZKWH17, BTMS10, Bor07, BH13, GD08, Ker15, MCJ19, M+06, Zho10]. **Networks** [BSI+15, CPKL17, CGC16, CFLL19, EVCL21, FXHY21, FML+22, Hal79, HHK94, JN15, KKLV16, LLW+16, LXZ+21, LCMV17, MP16, MBWW86, MSC+21, NGRF19, QLL+21, SCC+23, SIJPP11, TVO92, VVC+17, XZL+20, XRL+22, ZDS+22, ALW15, Alf91, AAC+17, BTLNBF+15a, CL15, CM18, DS19, FZS+20, GCARPC+01, GLQ+13, GHM+18, HHSG18, KCV11, LC02, LZW+15, LWL16, MG19, Mon22, MAK07, NRS92, OMB+15, RS16, THH+14, TK20, TO91, WZV+13, WT91, XWW+21, XYYY17, XJW+18, YKS16, YPLZ17, YLTF20, YMY17, AAJD+16]. **Netzwerk** [KGG00]. **Netzwerke** [WF03]. **Netzwerkkonfiguration** [WF03]. **Neumann** [FS11, FS12, Sig89]. **Neural** [EVCL21, JAC+19, MBK+92, TVO92, Tur92, WWS89, ZDS+22, Alf91, BCM90, BL90, IM93, KCV11, MK22, OK90, RK16, RWC21, TO91, WT91, WC91, HLW+23]. **Neural-FEBI** [HLW+23]. **Neurocomputer** [GFB+92]. **Neutral** [WBHN18]. **neutron** [MM92]. **Nevada** [ACM81, ACM89]. **newer** [YK13]. **Newfoundland** [IEE06a]. **News** [Bri98, Kal97, Sta07]. **Next** [AEA+23, BDF+99, CF00, LPSS19, IIK+06, RGS+20]. **Next-Generation** [AEA+23, IIK+06, RGS+20]. **NFV** [ALW15, Pap20, TF16, ASL+20, BDF19, FS19, FLZ+20, GDSA+17, GLL+21, JWL+18, KBK+21, LHW+20, LXZ+21, SDM21, SHB19, SP22, WTJR22, XRL+22]. **NFV-Based** [SDM21]. **NFV-Enabled** [LXZ+21]. **NFV/SDN** [BDF19]. **NFVLearn** [SOKE23]. **NG2C** [BOF17]. **Nice** [ACM90]. **NICs** [HB12]. **Niklaus** [BGP00]. **Nimble** [ZCJ+21]. **Ninth** [USE00b]. **NoC** [FRD+08]. **NoCs** [FD08]. **Nodal** [Che21]. **Node** [FXL+23, NTR18, CRB12, JK15, KL13, LSS04, SS19]. **Nodes** [SJ21, Vol90]. **NoHype** [KSRL10]. **nom** [BYBYT16]. **Non** [Aln22, AMH+16, KS18b, PG17, PG18, WZL+18, YKM17, KOY05, KM13a, KM13b, ZP14]. **non-cache-coherent** [ZP14]. **Non-clairvoyant** [KS18b]. **Non-Control** [Aln22]. **non-dedicated** [KOY05]. **non-deterministic** [KM13a, KM13b]. **Non-Java** [YKM17]. **Non-Preemptive** [PG17, PG18]. **Non-Volatile** [AMH+16, WZL+18]. **Non-Volatility** [WZL+18]. **nonaligned** [AGIS94]. **nonvolatile** [PNM+20]. **normal** [AM16]. **Normalized** [AAT+22]. **North** [Boa90]. **Nosv** [RQD+17]. **Note** [BCG73a, DMS02, KSS+23]. **notebook** [IBM94]. **Novel** [AHKC23, ARAAA19, ATS16, BMJ+22, JZY+22, LSC+17, NK10, PKS+19, XCSM18, ZWFX17, DJP+24, CBZ+16, LXRS19, LJYZ15, SDN09, ZLCZ18]. **Novell** [WF03]. **November** [ACM75, ACM89, ACM96, ACM03a, ACM04b, ACM05b, ACM05c, IEE90b, IEE92, IEE93b, IEE02, IEE04, LCK11, USE91, ACM97]. **NSGA** [TSR19].

**NSX** [PPS+18]. **Nu** [DNR06]. **null** [AT16]. **NUMA** [BMS16, GTS+15, KP15, LL14, LXM+16, SJA+17, SKJ+17]. **NUMA-Aware** [BMS16]. **NumaGiC** [GTS+15]. **Number** [BP99, SZ13]. **numbers** [WCG21]. **Numerical** [Hol95]. **nutzen** [Zim06]. **nützliche** [LC09a]. **NVMe** [HC18, PYYG21, PYDG22]. **NVRAM** [ZLW+19b].

**O** [RM03, AJM+06, AMA18, ASMA21, AD11, ABG14, ABB+15, BMS16, BHEP14, CWH+16, CDD13, CRZH15, DCP+12, DS09b, GCL+21, GAH+12, HA79, HB12, JAD19, KS08a, KBDK22, KMN+16, LLLE17, LMR18, LHAP06, LFHS23, NsP16, PST+15a, Rus08, SBQZ14, SYC14, SVL01, THH+14, TtLcC13, VW08, WR12, WTL+16, XNH21, YJZ+21, ZWFX17, ZSR+05]. **O-intensive** [BPM+22]. **Oak** [SVN+10]. **Oakland** [IEE84a, IEE90a, IEE91]. **OAMulator** [MS01]. **OASIS** [UBL+82]. **OB** [XHCL15]. **Oberon** [WF03]. **Object** [Bad82, BBD+91, BP01, CAF+91, Low88, PTHH14, PMC05, San88, STFH15, USE99, USE01b, BPB86, BP03, BZD17, DNR06, GSN93, IT86, LM99, VED07, WML02]. **Object-Based** [Bad82]. **Object-Oriented** [BBD+91, USE99, USE01b, PTHH14, PMC05, San88, BPB86, GSN93, IT86, WML02]. **Objective** [GLBJ18, LPB17, AP18, BB20, BY20, DS22, FGZC23, GGQ+13, GKP+19, GH20, HZL+18, LZLY20, LCL+23a, LCL+23b, MPM+20, RK18, STMV18, SL14, SM23b, SCL+19, TSR19, ZLL+16]. **Objectives** [AP22, ML78]. **Objects** [Qia99, ABB+19b, SK13a]. **Observation** [NBH08, SCFP00]. **observation-based** [SCFP00]. **Observations** [LHW+20]. **occupied** [SZ13]. **OCTET** [BKC+13]. **October** [ACM03b, Ano99b, Ano06a, Boa90, IEE03, Tho93, USE00a, Vra05]. **off** [CGV10, MTJ+22]. **off-board** [CGV10]. **Offensive** [BDJdS02]. **Offers** [Ano03a, Got07]. **office** [BRIdM10, Ano03b]. **Offline** [TRG13, SHLJ13]. **Offloading** [CL16a, GKXK13]. **offs** [SIdLB15, XZK+20]. **OGSA** [AKK+07]. **OGSA-DAI** [AKK+07]. **Oktober** [Müh75]. **Old** [Got07]. **Older** [SHB+03]. **Older-first** [SHB+03]. **Oleco** [Joo06]. **On-Chip** [GGM+16]. **On-Demand** [SEF+06, ZZF06, DEG+17, JCZZ13]. **on-Device** [XYD+18]. **On-Stack** [WBHN18, LH13]. **On-the-fly** [URJ18]. **One** [Bai70, Cre09, HPHV17, NKY+18, JK15, Ste14]. **one-shot** [JK15]. **Ongoing** [Car23]. **Online** [BFM+21, FL13a, GR15, HKLM17, HH18, HKKW13, JWL+18, Joo06, KTB17, LW20, MSC+21, NG13, RG17, SZW+16, SIK+16, SXCL14, SCL+19, XWW+21, ZHW+17, ZLZ21a, ZWC+14, BB12, KS18b, LSS04, MPM+20, NK10, THB22, ZXW16]. **Online-Handbuch** [Joo06]. **Ontario** [ACM06f, Sof83]. **onto** [AO16, Bak83, BS90, PS16]. **Open** [AFG+17, AP22, LLWM23, SJV+05, ARA20b, ARA20a, AGH+15a, AAB+05a, FP14, TSP17]. **Open-Source** [LLWM23, SJV+05, AAB+05a]. **OpenCL** [KJJ+16, SXMX+18, TY14, YWTC15]. **OpenCL-based** [SXMX+18]. **OpenFlow** [YKS16]. **OpenISA** [AMB+17]. **OpenJDK** [BFS+18]. **OpenNebula** [KMT14]. **OpenOffice** [Joo06]. **OpenQRM** [Kar07]. **OpenStack** [AMIA19, BB15, BLMP22, HKJ19, YW20]. **OpenSUSE** [CK06g, CK06f, CK06o, CK06p, CK06p]. **Operand** [MSI18].

**Operating** [ACM75, ACM03b, BPP+17, BH73, BYBYT16, CD12, Das91, HXZ+16, IEE01, J+05, Mar73, MNN05, MKKE12, MM94, RT93, SLM89, THB06, Vra05, ACT94, CCZ+06, CGL+08a, CGL+08b, CGL+08c, CK06a, CK06b, CK06e, CKP78, Com00, CLDA07, Dav04, Don87, Fli77, HKD+13, KSLA08, Kou11, KS20b, MW18, MDFS72, NV05, Ros06, SPF+07, SS72, TT93, Vac06, Van06, WR07, WWT89, WHSE15, YK13, YLJ22, Mat10]. **Operation** [ZR06]. **Operational** [Dan12, LCMV17, Siv04, BG20, NMC18b, NMC18a]. **Operations** [OLZ16, MPF+06]. **operator** [GHM+18]. **Opportunistic** [GJK+20, KMK16, OMB+15]. **Opportunities** [JAC+19, CBFH20]. **Optimal** [BP99, BB12, DS19, DEG+17, HM18, HJG18, LYL21, XYYY17, XRL+22, ZB18, GSKJ18, HAK22, KB21, WHC16]. **optimale** [Sch13a]. **Optimisation** [SCL+19, YWGH13, GKP+19, PTD+18]. **optimise** [DHD20]. **Optimised** [HKM+18a]. **Optimises** [War80]. **Optimistic** [Pon19, WGF11]. **Optimization** [AGC18, CPS17, CWH+16, DKW15, GLBJ18, HO22, KC16, LW11, LKIL19, LGZ+19, Man15a, MJW+14, NIA18, PAC+22, PS23, RRB19, SM06, SS22, SHZ+14, SKT+19, VG20, WDL+20, WK90, YKM17, YWF09, AT23, BRS+22, CLL+23, EB20, FGZC23, GCARPC+01, HLW+13, JK13, KSS+20, KSS+23, KS13, KS18a, KK21, LLWW18, LZLY20, LCL+23a, LCL+23b, MS17, dOL12, SM23a, WGW+18, WGY20, YXL+20, ZFL+23, ZLL+16, ZYLY18]. **Optimization-Based** [SHZ+14]. **Optimizations** [HB12, JZY+22, NBK16, PDY+23, RLZ+16, CPST15, NG13, PGLG12]. **Optimize** [OLZ16, LDL+08, RAT17]. **Optimized** [CGC16, MZD+18, DS20, HZL+18, KCV11, LWL16, RGS+20, TMMVL12]. **Optimizing** [CEG07, dCCDFdO15, EG03, GKT17, HHC+16, JGW+11, KRS+17, LQW+12, LL14, LXM+16, MCZ06, SMK02, SV15, WWL+17b, ZLLL13, ZJXL11, FMIF18, HSC15, NNK21, ZLBF14, ZGL+17, FLL+13]. **Options** [HDM08]. **Oracle** [VSC+10]. **orbit** [SSN94]. **Orchestrated** [MK23]. **orchestrating** [BRS18]. **Orchestration** [SCA+24, ZB20, ZXR+22, BSNB20]. **Order** [BW03, BFC02]. **Ordering** [HMH17, HTAY21]. **ORE** [OMB+15]. **Oregon** [IEE93b, USE85]. **O'Reilly** [Ano97a]. **Organization** [BPC94, Kam83, RSGG15, Juo07, Skr01, Tho73]. **Organizational** [PXG+17, GAHL00]. **organizer** [MS00, SMES01]. **organizing** [OK90]. **Orient** [IT86]. **Oriented** [BBD+91, BWD+15, BS90, CAF+91, DY17, ECET18, HW12, LVM16, LYGG20, MP16, PYYG21, RSGG15, SYB12, USE99, USE01b, YLT+23, ZL18a, Beg12, BPB86, Fro13, GSN93, IIK+06, IT86, PTHH14, PMC05, PPO14, San88, WML02]. **Origin** [Com82, Den01]. **Original** [BDR+12]. **Orthogonal** [PNM+20]. **Orthogonally** [LMG01, LMG00]. **OS-Level** [cCWS14, KHW+16, SWcCM12]. **OS/2** [Bri98]. **OS/390** [DBC+00]. **OS6** [SS72]. **OSCAR** [VS06]. **OSS** [Ble10]. **Other** [Den01, GC00, Mac79, KS13, Mat10]. **OtOt** [DKF94]. **Ottawa** [ACM06f]. **Out-of-Band** [ZSXZ07, PBYH+08]. **Out-of-order** [BFC02].

**Out-of-Process** [RB01]. **out-of-the-box** [XHCL15]. **Out-of-VM** [ZFL15]. **Outage** [Che21]. **Outline** [Kee77]. **Output** [ACL72]. **Outsourced** [YDW18, CMP+13, QZDJ16]. **outsourcing** [SASG13]. **Over-Provisioning** [SC18]. **overbooked** [LPBB+18]. **Overcoming** [APST05]. **Overcommitment** [GKBB15]. **Overcommitted** [CWS12, WCS06, ZHHC17]. **overhead** [BJ20, BJ22, LPD+11, LBL16, ZHCB15, ZLZ+19a]. **overheads** [MST+05]. **Overlapped** [LZM+20]. **overload** [AHRR22a, LYYY18]. **Overloaded** [BB13]. **Overshadow** [CGL+08a, CGL+08b, CGL+08c]. **Oversubscription** [YLT+23]. **Overview** [Lau87, MLG+02, ALW15, BB08, MNA16, NK22]. **oVirt** [Ano14d]. **OVM** [BFC02].

**P** [Dom80b, SSU+12, Syr07]. **P-Code** [Dom80b]. **P.R.O.S.E** [Van06]. **P2P** [Sta07]. **p5** [A+04, B+05, G+05]. **PA** [ACM04b, ACM96, IEE04]. **PaaS** [ECET18, ZLHD15]. **Pacifica** [Str05]. **Package** [PBR+90]. **Packages** [JMSLM92, LTT92]. **Packet** [VLZL16, LRP+19, Ste14]. **Packeteer** [Ano03a]. **Packing** [BB17, GR15, RG17, SXCL14, XDLS15, LLZ+19, SZ13]. **PACO** [PAC+22]. **PACT'06** [ACM06b]. **Page** [AW17, CWL+15, CHLY18, KYP+17, LH16, LLZ+19, LZW+17, LZM+20, MZD+18, MT16, MT17, WLW+15, AJH12, BSSM08, CWC+14, WTLS+09]. **Page-Aware** [CWL+15, CHLY18]. **Page-level** [LZW+17]. **Page-sharing-based** [LLZ+19]. **Pages** [GKBB15, Ano97a, JDW+14]. **Paging** [BGM70, GHS17, HBL+10, GHS16, TKG89]. **Pagoda** [YSS+17]. **Pallor** [RHV17]. **Palm** [MS00, SMES01]. **Palo** [ACM01b]. **Pandemic** [Cap21]. **Panel** [G+01, UBF+98, BDF+98]. **Papers** [DC15, KM13b, ACM90, G+88]. **PAPMSC** [SDD+16]. **para** [LC13]. **para-virtualized** [LC13]. **paradigm** [BD11]. **PARALISP** [CRZ83]. **Parallax** [hTMAC+08]. **Parallel** [ACM06b, Arm78, BP99, BS90, EGR15, FZD+24, Fis01, HD16, HHK94, IEE93a, IM93, JFPL16, JN15, KNT02, Loy92, LCFL12, MM92, MM93, MRG17, MM94, NOT+17, PAC+22, PY93, SSN94, TVO92, WCC16b, Wat86, Wat87, Wel94, YP15, ZRZY15, ZWZ20, AS14, AGIS94, BPC94, Bir94, BL90, BFC02, BB95, CARB10, Cav93, CDM+10, dCCDFdO15, CRG16, CKP+93, DKF94, DDS+94, DM93, EF94, FM90, GSN93, HTAY21, Hol95, JGA+88, KJLY15, KSS+18, Kra90, Les74, LG93, McK11, MRG18, MN91, NOR15, NG13, Pou90, RH17, RSW91, She91, SL00, Taf11, WK08, YC98b, YYC+19, Ble89, JPTE94, YC98a]. **Parallelism** [BYZZ20, HC18, YTS14]. **Parallelization** [LYL21, vKF13]. **Parallelizing** [SSL+13]. **Parallels** [Tho08]. **parameter** [Kha19]. **parametric** [PULO16, UTO13]. **Paranoid** [Bau05, Bau06b, Bau06a]. **ParaSail** [Taf11]. **Paravirtual** [KMN+16]. **Paravirtualization** [AD11, SBQZ14]. **ParCo93** [JPTE94]. **PARD** [MSS+15]. **ParDMCom** [M+06]. **Pareto** [DS20, EB20]. **PAROS** [MM94]. **PARS** [CWL+15]. **Parser** [UOKT84]. **parsing** [Kha19]. **Part** [Cre09, HO92, NSC+22, RGSJ17, Sch94b, Sch94a, Cre08a, SS72, Zyt94a, Zyt94b]. **Part-of-Memory** [RGSJ17]. **Partial**

[BWD+15, FTNY69, KLY20, LYL21, ZLL+20, WGF11, WWH+17]. **partiality** [Dan12]. **partially** [HH13]. **particle** [AT23]. **Partition** [Int06c, LLS+08]. **Partition-based** [LLS+08]. **partitioned** [Van06]. **Partitioning** [Bad87, Ian14]. **Partitions** [Int06b, SJRS+13]. **Party** [CRZH15]. **Pascal** [Har77, GBO87, SP83]. **Pass** [PYDG22, XYD+18, PDC+12, YLWH14]. **Pass-Through** [PYDG22, XYD+18, PDC+12, YLWH14, MLA83]. **passé** [BC10]. **Passing** [Fra98, GGM+16, DM93, TO91, UR15, XH90]. **Passthrough** [XD16, XD17]. **Password** [CD12]. **Past** [Sup04, Var91, BJG19, BS96, JKDC05]. **PASTE'01** [ACM01a]. **patches** [Ano07]. **patching** [PM19a]. **Path** [GR20, AM16]. **PATHWORKS** [Nou92]. **Pattern** [CFM17, HPP15, YDW18, ZDLG17, OK90]. **Pattern-Aware** [HPP15]. **Patterns** [Aln22, CL17a, ESY+17, PMC05]. **Paving** [FLZ+20]. **PaVM** [FZD+24]. **Paxos** [HMS17]. **PBS** [ZLL+20]. **PC** [ACM04a, GBO87, Mon97, Voe86]. **PCI** [YLWH14]. **PCs** [Ros99]. **PCVM.ARIMA** [CSSE21]. **PDB** [HHH04]. **PDCE** [M+06]. **PDP** [Gal73, GBO87, Ham76, PK75a, SP83, She02]. **PDP-10** [Gal73]. **PDP-11** [GBO87, Ham76, PK75a, SP83]. **PDP-11/40** [GBO87]. **PDP-11/60** [SP83]. **PDP-8** [She02]. **PDS** [AAB+05b]. **Peak** [LTE12]. **Pedagogy** [CLKEF21]. **PEMU** [ZFL15]. **penguin** [Bau05, Bau06b, Bau06a, Fab13]. **Pentium** [RI00]. **Perceiving** [XWH+16]. **perception** [MW18]. **Perfctr** [NB11]. **Perfctr-Xen** [NB11]. **performability** [EBJ17]. **Performance** [ACM98, ACM04b, Ano03b, AD11, Bad82, BPM+22, BL90, Cal75, CFH+79, CFH+80, CGS06, CHW12, DLLN18, De 06, DSZ11, EDS+15, GE85, Gua14, GKBB15, HSK17, HTB19, Hor73, HB12, IEE96b, IEE06a, IN87, IBBA20, JR02, JK13, dCJR16, KCWH14, KS08a, KS20a, KMM13, KP15, KKS+19, KD78, LZ15, LGJZ16, LCK11, LMR18, LMG01, LCT+15, LXW+23, LHAP06, LTZ+14, MJW+14, MT16, MT17, MLG+02, MBK+92, NBB+19, NMS+14, Oak14, OBSR16, PZW+07, Pat12, PDY+23, PNT12, Raj79, RCM+12, RP07, SHW+15, SD01, SCSL12, SDD+16, SLC20, SJA+17, SM92, SP22, SM02, TSN+23, THC+14, URJ18, UT87, VP16, Vog03, WDL+20, WKT08, WCC16b, WWL+17b, WZL+23, XLJ16, YC98a, You73, YWCF15, ZLSI17, ZRZY15, ZWL+18, ZTA+21, ZJXL11, dGG+17, AKK+07, AAH+03, AGH+16, Ano96, AWR05, ASB18, BML+13, BDQR23, BB12, BJG19, BJ22]. **performance** [BBM09, BMER14, CBGM12, CBZ+16, CCW+20, CMP+07, DQR+13, DLL+16, DSSP06, DLH+20, DYL+12, EMS15, Fit14, FF96, GP13, G+01, GVI13, G+05, GAH+12, HKJ19, Han16, HHSG18, Hog02, HC12, HL13, KBK+21, KKJL14, KL13, Kou11, KCV11, LBZ+11, LLLE17, LM99, LMG00, LL14, LQD+18, MCC18, MA10, MST+05, MUKX06, M+06, MMG+18, MW05, NB11, OL13, PJZ+19, PV08, QXH18, RHR02, RAP19, RQD+17, Rix08, RGS+20, RCTY19, SENS16, SE12, SBNU18, SP83, SEPV19, SB10, SPF+07, SYC14, SPAK18, TIIN09, VW08, WTL+16, WWH+17, XJW+18, XZK+20, YC98b, YZLQ14, YQZ14, YQZ19, ZYZ+18, ZSR+05, ZSW+06, ZFL+23, ZLCZ18]. **performance-aware** [ZFL+23]. **Performance-Based**

[CHW12]. **Performance-directed** [RP07]. **Performance-Guaranteed** [ZWL+18]. **performance-optimized** [RGS+20]. **performance-to-power** [DLH+20, RCTY19]. **performing** [BB08, GBCW00]. **performs** [Ven97d]. **period** [B+07]. **Periodic** [LD05]. **periodical** [YQZ14]. **Periods** [RB17]. **peripheral** [VWT13]. **Peripherals** [BG74]. **Persistence** [SCD90, PNM+20]. **Persistent** [GH91b, Low88, SMES01, SXH+19, ZCL+21, LM99, LMG00, MS00, PNM+20, LMG01]. **Personal** [Hir92, LBP+07]. **Perspective** [FLZ17, Han16, LCZ+19, RSGG15, SMP22, FP14, LDDT12, PAKY16, Wal10]. **perspectives** [MA10]. **Pervasive** [HHH04, BTLNBF+15b, HH05]. **Petascale** [Gei02]. **Pete** [Gal09a, Gal09b, Gal11]. **PEVM** [LMG00, LMG01]. **Phantasy** [RZPX19]. **phase** [JK13, SZKY21, TF16, ZL13]. **phases** [RHR02]. **Phi** [GGK19]. **Philosophy** [Com65]. **Phoenix** [ACM03a]. **Phosphor** [BK14]. **Phylogeny** [ASPP22]. **Physical** [BBM+15, PS16, WLW+17, AAM+16, PTD+18, XZK+20, YLJ22, vCPWvT11]. **physics** [GTN+06]. **PI** [RNS+23, DCA17]. **Piccolo** [CHPY17]. **PicoJava** [MO98, TO96, OT97]. **Picojava-I** [OT97]. **Pin** [ZFL15]. **Pioneer** [War11]. **Pipelines** [RKRK17]. **PIPPIN** [DH01]. **Pittsburgh** [ACM96, ACM04b, IEE04]. **PL** [SKC73]. **PL/EXUS** [SKC73]. **Place** [USE01a, Fab13]. **Placement** [AAAF21, AAR22, BYZZ20, BMJ+22, CGC16, GLBJ18, JQWG15, KP15, LPSS19, LKIL19, LTE12, LLWM23, LYS+18, LPB17, Man16, MSLY24, MZ20, PAC+22, PHXL19, PF23, SJ21, SHZ+14, WZH+16, WCC20, XZL+20, YWY+17, ZWL+18, ZHL16, dSdF16, AD19, AJBJ23, AHRR22a, ATZP21, BB20, CL17b, CCL+20, DS19, EMS15, FLL+13, FZS+20, FS19, FA21, FMIF18, FMJ15, GGQ+13, GH20, GA18, HM18, HZL+18, HAK22, IKU15, JC18, KN18, KBDK22, KHL17, KSO+15, KK21, KHA22, LKR+19, LBZ+11, LZWD15, LLWW18, LZLY20, LCL+23a, LCL+23b, LPBB+18, MNB24, MS17, Man18, MNA16, MHM19, EYGS19, Pon19, PS23, RKT20, RWC21, RK18, RJK+17, SZKY21, SBI21, SM23a, SM23b, TMLL14, TSR19, THB22, TMMVL12, WHW20, XTB17, YPLZ17, ZWHC17, ZLW+19a, ZLL+16, ZWH+17]. **placing** [XWW+21]. **PLAN** [CTP+17]. **Plane** [GGK18, AMIA19, LRP+19]. **Planes** [UVL+13]. **PlanetFlow** [HBP06]. **PlanetLab** [MPF+06]. **Planning** [IBM72, IBM73, Hal08, MIS+05]. **plans** [Kal97, Lot91]. **Plant** [BYZZ20]. **Planung** [Zim05]. **Platform** [CMK+16, DHPW01, DMG+15, Fra09, GWZ16, GPW03, HCB18, JXL+12, JJ02, MCE+02, PPS+18, SML18, Sun99, TCP+17, VGF16, WL96, Wal99, WBHN18, ZSP+21, AMB+17, BBD+10, DJP+24, CSMB15, DCA17, Fra06, MW18, PW03, WQG15, WCC+16a, WLG+11, XZ11, YJZ+21, YMY17, Ros99]. **platform-independent** [PW03]. **Platforms** [AMA18, ASMA21, Ano06a, BDG18, GLS15, RNS+23, SN05b, Uhl06, YP15, BSL+18, BSD19, DPW+09, GLK+12, MRM06, MBBS13, NV05, SWH+13, SBP+17]. **Player** [Joo06, Zim06]. **Plex86** [Law00]. **Pliant** [KDB16]. **Pliant-based** [KDB16]. **plotter** [MSCK92]. **plug** [Kag09]. **plug-in** [Kag09]. **Plural** [UT87]. **pocket** [BBD+10, FFB+00]. **POF** [DS20]. **POF-SVLM** [DS20]. **point** [XJW+18]. **pointers** [AT16]. **points** [TLX17]. **points-to** [TLX17]. **Policies**

[CC77, KC12, NMMP15, KBDK22]. **Policy** [CTP+17, EMW16, JFPL16, LDRS18, SL14, JFZL17, SZKY21]. **Policy-** [CTP+17]. **Policy-Compliant** [LDRS18]. **Polling** [PYDG22]. **polymer** [NRS92]. **polymorphism** [PULO16, UTO13]. **pooling** [WRSvdM11, WRS+15]. **POPL** [ACM99]. **POPLOG** [SSG90]. **Port** [DBMI92]. **Portability** [Hir92, JR02]. **Portable** [HWB03, Ibs84a, SMK02, Ibs84b, FCG+05, HK07, LTK17, AEMWC+12]. **Porting** [Caa00, JJ91, Kel06, MB98, Shi03, vdK09]. **Portland** [IEE93b, USE85]. **position** [Hin97]. **posium** [USE01c]. **Post** [AGJS16, HDG09]. **Post-Copy** [AGJS16, HDG09]. **Postroom** [Osb01]. **Potential** [CLKEF21, FRD+08, Got07, JK13]. **Pour** [Han73]. **Power** [AAM+16, CLL+23, DSM14, GPM21, HSK17, KBB11, KL14, LZ15, LGJZ16, LLLE17, MAK18, MV16, MJW+06, PLZ20, RSNK17, RSN+18, SSN12, SDD+16, Sta07, VWT13, XDLS15, ZWL+18, CBGM12, CMP+07, DLH+20, EBJ17, FLL+13, HH18, HH19, IMK+13, JKK+13, JNR12, KK21, NS07, RHZ+17, RCTY19, TDG+18, TUM18, THC+14, WRS13, XHL+13, YZLQ14, YLHJ14, YLCH17, YW20, A+04, B+05, G+05, MBBS13]. **Power-Aware** [SDD+16, ZWL+18, KBB11, JNR12, RHZ+17]. **power-capping** [JKK+13]. **Power-efficient** [AAM+16, LLLE17, SSN12, KK21]. **POWER5** [AAB+05c]. **PowerPC** [But94]. **ppXen** [ASB18]. **Practical** [BJH+16, DLX+17, HN10, Kna93, PDY+23, WLW+15, WBHN18, WWH+17, FIF+15, PJZ+19, SNV10, TC10, Wün13]. **Practice** [Bec09, Cre08b, Lar09, SHB+03]. **Practices** [MO98]. **Praxis** [Bec09]. **Praxisbuch** [Lar09]. **Praxisführer** [Bor01]. **Pre** [LUL+05]. **Pre-virtualization** [LUL+05]. **Precedence** [EGR15]. **Precedence-Constrained** [EGR15]. **Precise** [LJFS17, BHSB14, CCW+20, TLX17]. **Precision** [ADM98, BKMM87, KKS+19]. **preconditioned** [MM92]. **Predicate** [UOKT84]. **predicates** [JKDC05]. **Predictable** [KR18, LTE12, XLJ16, LTK17, HK07]. **predicting** [WQG15]. **Prediction** [EVCL21, FFM+23, HM20, LWC+17, ZDLG17, ZFH+22, ADA+19, BKT+19, CEG07, CCW+20, EYG21, EG03, HLBZ20, KJM+07, KCV11, PTD+18, RGAT18, Raj79, SOKE23, SSN94, WCZ+23]. **Prediction-based** [HM20, EYG21]. **Predictions** [BFM+21]. **predictive** [CSSE21, XCJ+14]. **Predictor** [BSMF08]. **Preemptable** [OL13]. **Preempted** [OLZ16]. **preempting** [SJB14]. **preemption** [YQZ14]. **Preemptive** [PG17, PG18, YXL+20]. **Preferences** [AAAF21]. **Preferred** [Par72]. **prefetch** [KW13]. **Prefetching** [RZPX19]. **Preliminary** [HW93]. **prep** [IIPB09]. **PreScheme** [Ram93]. **Presence** [KBK+21, CFG+13, CJJ+22]. **Present** [Var91, JKDC05, Yur02]. **presented** [ACM90]. **Preservation** [JE12, BB08]. **preserve** [STFH15]. **Preserving** [BS96, DNR06]. **Presidio** [Str05]. **pretenuring** [BOF17]. **Prevent** [KLY20, SYB12]. **Preventing** [DL19b, Kip21, WLCS17, PRB07]. **prevention** [MA17]. **previous** [STFH15]. **Price** [FFM+23, WHC16]. **pricing** [ADA+19, DEG+17]. **Primary** [PP16].

**Primitive** [LCWB+11, BMWB86, Pou90]. **PRIMITIVES** [Ble89]. **Princeton** [FS11]. **principled** [WSAJ13]. **Principles** [ACM75, ACM99, ACM03b, Gol73c, Juo07, PJZ18, SHW+15, Vra05, SS72]. **Prioritized** [FBM+21]. **priority** [OKAM17]. **Privacy** [IEE84a, IEE90a, IEE91, WLL+13]. **Private** [HW12, SCC+23, Nie12, SYMA17, TUM18, WH08, ZLW+19a, Fro13]. **Privileged** [MPF+06]. **Pro** [SRS09, Fra06, Fra09, Wil06]. **Proactive** [MZ20, WB16, BKT+19, CFRSSR19, IRB19]. **Proactively** [GKBB15]. **probabilistic** [PKS+19]. **probability** [LYYY18]. **Problem** [AAR22, BL17, BFG+14, GWZ16, Man15a, GLW23, LY23, MM92, EYGS19, SL00, XA22]. **Problems** [GR20]. **Proceedings** [ACM96, ACM97, ACM99, ACM04b, ACM05b, ACM06a, ACM06b, Ano99b, Boa90, IEE96b, LCK11, USE99, USE00a, USE00b, USE01a, USE01b, ACM00, ACM03b, ACM05a, ACM06f, Ano93, GHH+93, HHK94, IEE85, IEE04, JPTE94, Mat10, MR91, SS05, USE85, USE86, Vra05, ACM75, ACM81, ACM89, ACM90, ACM01b, RM03, ACM04a, ACM05c, ACM05d, ACM06e, ACM06c, ACM06d, Ano01b, Ano04b, Ano06a, BW03, IEE84b, IEE84a, IEE90a, IEE90b, IEE91, IEE92, IEE93a, IEE93b, IEE05, IEE06b, IEE06a, MS91b, Ost94, Sof83, Shr89, Tho93, USE91, USE93, USE01c, USE02, USE06, M+06]. **Process** [AGLM91, Bal91, ETAB22, HPHV17, MZG14, RB01, SC17, Tho93, AC95, LZWD15, EYGS19, PAKY16, PTD+18, XCJ+14]. **process-aware** [XCJ+14]. **Processes** [JADAD06a, Kim84, SOAK23, SN05b, FA21, WT91]. **Processing** [ASPP22, DKW15, GLL+21, Loy92, MMdE19, VLZL16, DH01, EF94, GSN93, IM93, KHL17, KWZ+19, LKY+17, LRP+19, LMDP19, LG93, MMG+18, WWT89, Wün13, ZDK+19, ZGL+17]. **Processor** [ISE08, NSL+06, RWX+12, SKJ+17, BKR20, IIK+06, LRC05, VdlFCC97, WDSW01, WLL+13, WJGA12]. **Processor-Interconnect** [SKJ+17]. **Processors** [DSM14, Gei02, MT16, MT17, MBK+92, PDL+23, PNT12, RTL+18, KKC+16, MN03]. **product** [IBM88, Int88, SV17]. **production** [SL00]. **Products** [Ano03a, Ano03b, Ano05]. **Professional** [vH08, IIPB09, Ham07, Khn09]. **professionellen** [Zim05]. **Profile** [WKJ20, AWR05, WKJ17]. **Profiler** [SH04, VL00]. **Profiles** [Int05b]. **Profiling** [LV99, Sun95a, YWW+15, DSZ11, NK10, SSB+14a, STY+14, TZK17, TSN+23, THC+14, YZLQ14]. **Profiling-Based** [YWW+15]. **Profit** [BYBYT16, MLXG19, ZHW+17, LWLL16]. **Profit-Maximizing** [BYBYT16]. **Profitability** [WUK+18]. **Program** [ACM01a, Com65, Cre65, FTNY69, Han05, HB08, MSG01, SZ88, ABDD+91, BPB86, Olb78, She02, WGF11]. **Programm** [Mar08]. **Programmability** [EMW16]. **Programmable** [DCG12, DMS02, FS11, Ken80, Kov19, MSS+15]. **Programmer** [PSBG11a, PSBG11b]. **programmers** [Hee07]. **Programming** [ACM90, Arm78, DK75, Eng99, Gai75, GMP89, GH91b, LFBB94, Luc97, SYB12, Sub08, Sub11, Tho68, Tol98, ACM99, AS85b, Alf91, BCM90, CPM+18, Ham76, Jou85, Kag09, ME87, MRG18, RSW91, SMO84, Tai98, AS85a]. **Programming-in-the** [DK75]. **programming-in-the-small** [DK75].

**Programs** [FS12, Kam83, NMMP15, Wel94, CK06b, CK06e, CRG16, DKF94, EGD03, GMR93, IM75, Kee68, Wak99, Wol99]. **Progress** [ZRD+15, ZHCB15]. **project** [AAB+05a, CKP78, Lot91, RD90]. **projects** [AL05]. **PROLOG** [Clo85, Ode87, War80]. **Promenade** [CFLL19]. **Prometheus** [ACG18]. **Promoting** [ACA16, WLW+17]. **Proof** [FC98, LLZ18, Arv02, FP14, FCG+05, ZLH+15]. **proof-carrying** [FCG+05]. **Propagation** [AD11]. **Properties** [BN75, BSD19]. **property** [VT14]. **Proportionally** [CFLL19]. **Proposal** [EVCL21]. **proposed** [GH91b]. **Prospects** [PCB+18]. **protect** [ZBP07]. **Protected** [BPP+17, Cof99, GHD12]. **Protecting** [LMJ07, WTM18, WLL+13]. **Protection** [VMW+19, CD12, CDD13, SS75, CGL+08a, CGL+08b, CGL+08c, CBFH20, JCZZ13, PK75b, TSLBYF08, WJGA12]. **Protectit** [KSLA08]. **Protocol** [GKXK13, MN91]. **protocols** [DM93, RSLAGCLB16]. **Prototype** [Sim92]. **Prototyping** [SXMX+18]. **Provably** [GNDB16, ZLG+20]. **provenance** [RG19]. **Proverb** [Fer11]. **Provers** [Hir17]. **Provide** [ESY+17, WJ10]. **Provider** [LPSS19, MP16, CFRSSR19]. **providers** [EdPG+10, SG10a, TMMVL12]. **Providerwahl** [Joo06]. **Providing** [BDS+09, HC18, Isl19, KHW+16, KKH14, KGZ+04]. **Proving** [BW03, IM75]. **Provision** [LGXC23, WZH+16, WN17]. **provisioner** [JNR12]. **Provisioning** [BSSS14, BCW20, ELC+19, HJG18, LCT+15, LWC+17, LLZ18, NMG15, NSJ12, SC18, SZW+16, SXCL14, XLJ16, ZLW+14, ZRS+16, CSSS11, CFVP12, FGG14, GSKJ18, KBB11, MHS21, PPO14, SJB14, VOS12]. **proxies** [Eug06, STFH15]. **Prune** [BYZZ20]. **PS3** [Sta07]. **pSeries** [Mly09]. **pseudo** [ABDD+91]. **pseudo-random** [ABDD+91]. **PSO** [AT23, LW12]. **PSO-Based** [LW12]. **Pthreads** [RMB02]. **Public** [MB20, OG16, SDS+21, WUNK17, WUK+18, FBZS12, PKS+19, ZLV+12, ZBS+15]. **publications** [Mat10]. **Publisher** [LCL+23a]. **Purpose** [GFB+92, ZDS+22]. **Purposes** [BHI15, BSL+18, WDSW01, WO75]. **Putting** [LPSS19]. **PV** [Ano15]. **pyramid** [MJ93].

**Q** [AJBJ23, Che21]. **Q-Learning** [Che21, AJBJ23]. **QEMU** [WR07, WR08, CK06a, CK06b, CK06e, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06l, CK06n, CK06o, CK06p, CK06q, CK06t, CK06r, CK06s, Bar06, MZG14, WR07, WR08, vdK09, CK06a, CK06b, CK06e, CK06c, CK06d, CK06g, CK06j, CK06k, CK06m, CK06l, CK06n, CK06q, CK06t, CK06r, CK06s, Deu08]. **QM** [Fli77]. **QM-1** [Fli77]. **QoE** [KS18a]. **QoS** [FAA17b, BAC15, DXM+17, FAA17a, HLPY16, KN18, KCY22, KP15, LCL14, LWL16, LYGG20, PS23, WZH+16, XZL+20]. **QoS-Aware** [WZH+16, XZL+20, KN18, LWL16]. **QoS-Oriented** [LYGG20]. **QoS-Satisfied** [KCY22]. **qualitative** [ALW15]. **Quality** [BB13, MHS21, SV13, VOS12, WKJ20, CMG+19, LYY+20, NZH20, TDD20, WKJ17, XXWG23]. **quality-aware** [LYY+20]. **quality-of-service** [NZH20]. **quantification** [BKH+06]. **quantify** [TZK17, TDG+18]. **Quantifying**

[FFB+00, PJZ+19]. **Quantitative** [YZW+13]. **Quantum** [NLD+23]. **Quelle** [LC09a]. **Quemu** [CK06o]. **Query** [WK90, KHL17]. **querying** [CKRJ17]. **queuing** [Pon19]. **Quick** [NOT+17]. **QuickDedup** [SSG+20]. **QUICKTALK** [BMWB86]. **QUIS** [CKRJ17].

**R** [Fro13, KMMV14, Vit14, Wün13]. **R2** [Bod10, KS10, Apr09, Bod10, Car14, Gal09b]. **Raccoon** [ZWFX17]. **race** [HHPV15]. **races** [DKF94, PRB07, WCG14, XXZ13]. **Racket** [FDD+19, KFF12]. **Radio** [AAJD+16, SKT+19, LJR12]. **RAID** [SPAK18]. **railway** [FP14]. **Rain** [HS19]. **RAM** [GGJ+92]. **Random** [CFLL19, ABDD+91, Fer11]. **randomized** [JGA+88, KFF12]. **randomness** [RY10]. **range** [HP77]. **ranking** [RAP19, SS19]. **ranking-based** [RAP19]. **Rapid** [But94, GMK17]. **rapidly** [BSM+12]. **Raspberry** [RNS+23, DCA17]. **Rate** [CFLL19]. **Ratio** [WDL+20, DLH+20, RCTY19]. **RBPSO** [WGY20]. **rCUDA** [CPM+18, PRS16, PS19b, RSC+15, SIRP17]. **RDMA** [PST+15a]. **RDMA-capable** [PST+15a]. **Re** [MKM+08]. **Re-engineering** [MKM+08]. **reachability** [KY16]. **reaction** [KK21]. **Reactive** [DSM+18, Kol19, NMMP15]. **Read** [MJW+14]. **Read-Performance** [MJW+14]. **Real** [AAR22, AE01, BE17, Ben21, CW03, Cla97, FXHY21, GPM21, HcC14, JAD19, JYM+23, KR18, LSSC22, LXL+22, LD05, Mac79, Mat09, NL19, PPG+17, QCM+24, QT06, Ran20, Sta97, SCA+24, Swa06, ABB19a, AS76, ABC+07, BCC+15, HK07, Ive03, KBB11, LTK17, NBS18, Nie12, PTD+18, RK18, SBNU18, WQG15, YCL+19, ZEdlP13]. **Real-Time** [CW03, FXHY21, GPM21, JAD19, JYM+23, KR18, LSSC22, LXL+22, NL19, PPG+17, Sta97, HcC14, LD05, QCM+24, QT06, SCA+24, ABB19a, AS76, ABC+07, HK07, Ive03, KBB11, LTK17, NBS18, PTD+18, SBNU18, WQG15, YCL+19, ZEdlP13]. **Real-World** [AAR22, Ben21]. **Realism** [DSSP06]. **realistic** [CKP+93]. **Reality** [BG20, CB07]. **Realizing** [UT87, Syr07]. **Reallocation** [LWZ+18, BY20]. **RealNetworks** [Ano03a]. **Reap** [HPHV17]. **reasonable** [KJ13]. **reassignment** [STMV18]. **rebalancing** [LZLY20]. **Rebuilding** [FDD+19]. **RECAP** [Ben21]. **Receives** [War11]. **Rechenzentrum** [See08a]. **Rechenzentrums** [Mar08]. **recipes** [Car14]. **Reclamation** [Bad82]. **recognition** [KKM+13, OK90]. **Recommendation** [XLL+20, PAKY16]. **Recompilation** [THL03]. **Reconciling** [KPHA20, ABG14]. **Reconfigurable** [BHI15, IBBA20, KGS16, SML18, STY+14, UVL+13, ZL18a, FX06, HH13]. **Reconfiguration** [MDGS98, QLL+21, ZWZ20, JES+15, LJR12]. **Reconsidered** [Sta07]. **reconstructed** [AD18a]. **Reconstruction** [ASPP22, Sch13b]. **Record** [JKB15, IEE96a]. **Record/Replay** [JKB15]. **recorder** [LBP+07]. **recoverability** [KY16]. **recovering** [LRC05]. **Recovery** [KKLV16, AAF+09, BGS13, CHCC07, FL13b, Kou11, MSI+12, STFH15, Tay76, ZXW16, BBMA91, Mar08, MSS91]. **Recurrent** [LCZ+19]. **Recursion** [War80]. **Recursive** [BN75, LW73, FHL+96]. **Red** [G+06]. **Redefining** [CGS06]. **RedHat** [Gal11]. **redirecting** [JYW+13].

**Redirection** [FL13a, LYS+18]. **redistribution** [KNHH18]. **reduce** [FLL+13, GPS+18, LLZ+19, RJK16]. **reduced** [VED07]. **Reducing** [ELC+19, HPHS04, Hu90, HS06, KY16, LBZ+11, MV16, PLMA18, SC18, ZLZ+19a, ZLW+19a, KJM+07, MA21]. **Reduction** [JJK+11, Wat86, Wat87, ZHL16, HCJ07, LJYZ15, TDG+18]. **Redundancy** [Tay76, WTJR22, GLV+10]. **redundant** [KJJ+16, ZWH+17]. **Reference** [Ano03a, CRZ83, Hal79, HPP15, LC09a, XWX+17, YTY00]. **Referenz** [LC09a]. **Reflection** [FPS+02, ORPS09]. **Reflections** [MLA83]. **Reflective** [CGMD19]. **region** [HLW+13, LXRS19, YC16, vKF13]. **region-based** [YC16, vKF13]. **Register** [CK87]. **registers** [SCEG08]. **Regular** [Cox07, Cox09, Cox10, Cox12, KP99, Tho68]. **Regularity** [DPCL22]. **Regularity-Based** [DPCL22]. **reification** [RRB17]. **Reincarnation** [Ros04]. **REINFORCE** [KLR+20]. **Reinforcement** [HPS22, MSC+21, QBL+23, WZZ+20]. **Reinventing** [Hof20]. **Rejuvenation** [SAT09, AMA+14, MNT14, TUM18]. **Relation** [KLLT18]. **Relational** [WK90]. **Relationship** [Mal73]. **Release** [IBM73, IBM94, IBM96]. **Releases** [Ano03a, Ano03b]. **relevant** [NP13]. **Reliability** [BCG73a, BCG73b, ESY+17, FZS+20, HXZ+16, XH16, MD74]. **Reliability-aware** [FZS+20]. **Reliable** [PEC+14, THB06, YWY+17, Car14, SHR19a, SHR19b, Van06, WQG15, WXW15]. **Reliably** [TCP+17]. **relocation** [KJLY15, MR23]. **Remaining** [XLWX19]. **remapping** [AS14, LJL12]. **Remote** [FLM+08, JKB15, JHS12, KBC21, KMN+16, Bor07, CPM+18, CMGI+23, GCARPC+01, RSC+15, RS16, SIRP17, SWW+18]. **Remoting** [MGL+17, SM23b]. **remoting-based** [SM23b]. **removal** [WGF11]. **Remus}** [dSOK17]. **RemusDB** [MRC+13]. **Renaissance** [FDF05]. **Rendezvous** [SM92]. **renewable** [KTB17]. **Renewal** [WN17]. **ReNIC** [DCP+12]. **Reno** [ACM89]. **rental** [FBZS12]. **Repair** [SEK+19]. **repeatability** [Vit14]. **Replacement** [GHD12, WBHN18, LH13, uRQS20]. **Replay** [BJH+16, JKB15, KM13a, KM13b, RTL+18, SCFP00, CLG+10, WXZ+17]. **Replaying** [WKG17]. **Replica** [GLBJ18]. **Replication** [CWL+15, LJL+11, DCP+12, KJJ+16, LMV12, dSOK17]. **replications** [CBJ22]. **reply** [DM76]. **Report** [Ano01a, Ano02, Ano04a, CBLFD12, FDD+19, Int06c, Int06a, PBAM17, Pul91]. **repository** [AWR05, GKP+19]. **representation** [IT86]. **representations** [dCJR16]. **reproducibility** [Vit14]. **Reproducible** [MB20, Boe15]. **reproducing** [PTM+15]. **Request** [LYS+18]. **Requests** [MLXG19]. **Requirement** [YWR+14]. **Requirements** [AP22, Gol71a, LCMV17, PG74, SCC+23, BG20, PG73]. **ReRanz** [WWL+17a]. **Research** [AP22, AEA+23, AAB+05a, Ano00, Ano01a, Ano01b, Ano02, Ano04a, Ano04b, Boa90, CLKEF21, Cre65, DMS02, IEE90a, IEE91, Kim84, Ten17, USE01c, USE01d, USE02, ARA20b, ARA20a, AGH+15a, ADWM18, BJG19, Boe15, CBLFD12, Gol74, Her10, SVN+10, Vit14, ZJRW19, HMS17]. **ReSeer** [WXZ+17]. **Reservation** [HC18, ZWC+19]. **reservations** [THG+18].

**reserved** [DEG+17]. **reserving** [YLJ22]. **reset** [RY10]. **Reshaping** [BHI15]. **Resident** [WK90, LF19]. **residual** [AT23]. **Resilience** [NTR18, OMB+15]. **Resiliency** [KLR+20]. **Resilient** [CFB24, VS19, BGS13, OMB+15, TDG+18]. **Resistant** [THB22]. **resistive** [JAC+19]. **resolution** [GE85]. **resolving** [ZWC+14]. **Resource** [AJ18, AAMBE21, BKT+19, BBMA91, BL17, CMK+16, ECET18, EVCL21, FDF05, GWZ16, GLS15, GA18, HC17, HO22, JZY+22, JSHM15, KCY22, LZWC13, LCT+15, LCFL12, MSS91, MBA+12, PFPJ18, RG17, SJB14, SC17, SC18, SZW+16, SXCL14, SCA+24, Sur01, WIS+15, XSC13, YSS+17, ZQCZ16, ZLG+20, ATS16, AS14, BSOK+20, Car06, CEPR22, CMP+13, EdPG+10, Fu10, GPR23, HZZ+14, HH19, JWH+15, JC18, KF18, LC09b, LYYY18, LLZ+19, LLS14, MR23, MB21, MS01, Mly09, NBS18, PKS+19, RGAT18, SBNU18, SGV13, SGV12, SOKE23, TV18, VSMC23, VVB13, Wal02, WDCL08, WGY20, WB16, WSVY09, YGLY21, ZWC+19, ZB18]. **Resource-aware** [GA18, PFPJ18, SGV12]. **resource-constrained** [TV18]. **resource-efficient** [VSMC23]. **Resource-Latency** [BL17]. **Resources** [CRZH15, ELC+19, HLPY16, KGS16, NHL22, PCC+16, SDS+21, ZB20, HMH17, HKJ19, KHL17, LTZ+14, OKAM17, PSZ+07, TZK17, WRSvdM11, WRS+15, ZBP07]. **Resourcing** [MSS+15]. **Resourcing-on-Demand** [MSS+15]. **Responding** [BSM+12]. **Response** [BE17, WZKP19, MA21]. **Responsibility** [GKXK13]. **ReSQoV** [KCY22]. **Ressource** [Mar08]. **restart** [BBHL08, EBLM22]. **Restoration** [AAC+17, BS96, XWX+17]. **Restoring** [EGJS15]. **Results** [HW93, Man15b]. **Resurrecting** [AKCP21]. **Retargetable** [GFH82, Fra83, GHF83a, GHF83b, WNL+83]. **Rethink** [WRX11, XJWW15]. **Rethinking** [Ott18, PBWH+12, RGSJ17, WCSG05]. **Retraction** [KSS+23]. **retrofitting** [CGL+08a, CGL+08b, CGL+08c]. **Retrospect** [GLC84]. **Return** [SYB12, Ven97c]. **Return-Oriented** [SYB12]. **returned** [BBS06]. **Returning** [PSBG11a, PSBG11b]. **reuse** [LU04]. **Reverse** [SDS+21]. **Review** [AP22, AEA+23, Ano97a, BDF19, BDG18, DCM22, Fro13, Ng01a, Ng01b, QCM+24, ARA18, ARA20a, AGH+15a, BJG19, BJ20, KHA22, MB21, MA17, Van98, ZJRW19, Mat10, ARA20b]. **Reviewer** [Ano03b]. **Reviewers** [Ano06b]. **Reviews** [Ano03b]. **Revised** [Ram93]. **Revisited** [SCD90]. **Revisiting** [AJH12, CL16b, HMS17, IBBA20, IYAK23, Ran20, WWWL13]. **revolution** [McK11]. **Reward** [BL17, NMC18b, NMC18a]. **Rewriting** [WMUW19, XWX+17]. **RHEL** [P+08]. **rich** [RSLAGCLB16]. **Ridge** [SVN+10]. **Right** [NBK16, HUL06]. **rigor** [Vit14]. **Rigorous** [KJ13, Man15b]. **RISC** [ABDD+91, BSUH87, DK23, MTJ+22, SMP22, SVM+23]. **RISC-V** [DK23, MTJ+22, SMP22, SVM+23]. **Risk** [HZL+18, PMP23]. **Risk-aware** [HZL+18]. **risks** [Bel06]. **roadside** [YBZ+15]. **Rob** [Bas04, Bas06]. **Robinhood** [PWJ16]. **Robot** [Arm78]. **Robust** [CCML12, PFNC20, SGV12, YZSC17]. **robustness** [SS19]. **Rochester** [Mar81]. **Rockefeller** [IEE90b]. **role** [GLA+08]. **Rollback** [CHPY17].

**Rome** [BW03]. **Rose** [Ano03b]. **Rosenblum** [War11]. **Roundtable** [Cre10b, Sta97, Cre08a, Cre08b, Cre09, Cre10a]. **route** [YPLZ17]. **routed** [AM16]. **Router** [GWZ16]. **routers** [GP13]. **Routing** [EMAL17, ELC+19, FXHY21, FD08, GR20, HLP+16, MSLY24, NGRF19, YWY+17, FLL+13, FS19, FSH+13, LWL16, SJRS+13, XWW+21, YLTF20]. **RPC** [CSS+13, KLY20]. **RPC-based** [KLY20]. **RPython** [MRG17]. **RTLSim** [YYPA01]. **RTOS** [JK17]. **rule** [HTAY21, Pul91]. **Rules** [Kov19, CFRSSR19]. **rules-based** [CFRSSR19]. **Run** [Bad87, ACT94, AWR05, CGM17, Com00]. **Run-Time** [Bad87, ACT94, CGM17]. **Running** [Bad87, MDD+08, NL19, GMR93, KGS16, SLC20, SZ88]. **runs** [FIF+15]. **Runtime** [GSS+18, Kam83, KP15, MB98, NMMP15, Shi03, XLWX19, KNHH18, ORPS09, RVJ+01, STY+14]. **Runtimes** [HD16, Han05, CSV15, GK05, PBAM17, WWH+17]. **Rust** [Kol19].

**S** [M+06, Ber86]. **S-GRACE** [M+06]. **S.u.S.E** [KGG00]. **S/370** [Ber86]. **S2H** [YJZ+21]. **SableSpMT** [PV06]. **Safe** [BHI15, RSF+15, SKI+17, VVC+17, CFS+12, CLDA07, MSZ09, TV18]. **Safety** [BSI+15, MTFK19, HM01, MSG01]. **Sagamore** [ACM03b]. **Sampling** [Lee16, THB22]. **sampling-based** [THB22]. **San** [ACM99, ACM06a, Ano04b, Ano10, IEE93a, USE99, USE01b, USE02]. **sandboxed** [MK23]. **Sandboxing** [GG11]. **Sandpiper** [WSVY09]. **SANs** [ZSXZ07]. **Santa** [ACM00]. **Sapphire** [URJ18]. **Satellite** [QLL+21, CFVP12, SSN94]. **Satellite-Terrestrial** [QLL+21]. **Satisfaction** [LVM16]. **Satisfaction-Oriented** [LVM16]. **Satisfied** [KCY22]. **SAVE** [GKJ+19]. **saving** [YLCH17, YW20, YLJ22]. **SC'11** [LCK11]. **SC2003** [ACM03a]. **SCADA** [ADWM18]. **Scala** [AT16, SMSB11, Sub08]. **Scalability** [KMK16, QNC07, TCP+17, VP16, BFS+18]. **Scalable** [ASPP22, CL17b, DSM+18, FBL18, HJ10, HPS22, JAD19, KCY22, Kol19, KLK+22, Li14, RSN+18, SD01, SADP21, SWL+23, UVL+13, XML+18, ZL18a, ZSP+21, DS18, HLW+10, HTAY21, HPS23, LKR+19, SJJ+12, SPF+07, SG10b, Uhl07]. **Scale** [CZX+19, HC17, PHL+12, RIP18, RJS+18, SLM89, XDLS15, ZLW+14, ZTA+21, FPGK18, LPD+11, MSG+12, SZ13, WWT89, WCG21, YZSC17]. **scaled** [KNHH18]. **Scaling** [CBJ22, HC17, JWL+18, JDJ+06, LW20, PBL+16, TCP+17, AB16, SBNU18, SSEA18, TSCB19, XLQL18, AMAB17]. **Scaling-Aware** [HC17, AMAB17]. **SCAN** [Ble89]. **Scenarios** [MTFK19, SADP21, KCV11, Sch13a]. **Scenes** [Cra98]. **Schedulability** [NL19]. **Scheduler** [AGC18, IYAK23, ASB18, KCS14, RAP19, SWH+13]. **schedules** [LC14]. **Scheduling** [ARAAA19, AD18b, BE17, Car23, EB20, EGR15, FML+22, HSN17b, JJK+11, KDB16, LMM18, LGJ+18, LD05, LWW16, LC13, PG17, PG18, RB17, TTH+19, VS19, WDL+20, WWT89, WCG21, ZWFX17, ZQCZ16, ZLW18, ABB19a, AT23, ATZP21, BC10, CCL+20, CLL+23, CCW+20, DEE+16, DQLW15, DXM+17, DCMW17, DS22, HKS19, JGW+11, KS18b,

KKJ+13, KNHH18, KCV11, LFHS23, MMTM22, NAR19, PC21, RWC21, RZ14, RHZ+17, SS13, SHLJ13, SSN12, Sto07, TMLL14, THG+18, VVB13, WQG15, WCC+16a, XCJ+14, XLWZ18, XZK+20, XXWG23, YPLZ17, YXL+20, YWGH13, YQZ14, YQZ19, Yu20, ZSR+05, ZB18, MA21]. **schema** [SI81]. **Scheme** [AJ18, AMA18, KAZS14, RSN+18, SHZ+14, YWR+14, KK21, KJLY15, LJYZ15, SM23a, XCJ+14, YPLZ17, YQZ14, YQZ19, FM90, FDD+19, KR94]. **Schemes** [Do11, LSSC22, MNA16, YWGH13]. **Schloss** [IEE01]. **School** [BGP00]. **Science** [ACM06d, BR01, DG05, SGV12]. **Sciences** [Shr89, MS91b]. **Scientific** [AD18b, Bad87, RB17, CSMB15, dCCDFdO15, EB20, MPM+20, WCG21]. **Scientists** [THLK10]. **Screening** [LP14]. **Scripting** [MJW+06]. **SD** [KKK+18]. **SDDSfL** [CLŁS12]. **SDN** [Pap20, ASL+20, BDF19, HTB19, HTB22, LLY+18, SDM21, SB18, SP22, VVC+17, WYZAD20]. **SDN&NFV** [ABB+19b]. **SDN-based** [WYZAD20]. **SDN-Enabled** [HTB22, HTB19]. **SDN-NFV** [SP22]. **SDNs** [ALW15, BG20]. **SDWN** [AFG+17]. **SDWSN** [AHKC23]. **SDWSN-Based** [AHKC23]. **SE** [LYBB14]. **Seamless** [Hir92, TDG+06, XWJX15, BADM06, DS20]. **Search** [Cox12, MNS+14, VG20, CWdO+06, KMT14, LY23, SBI21, Tho68, WXZ+17]. **search-based** [WXZ+17]. **Seattle** [ACM05c, ACM06b, LCK11, Ost94]. **Sebastopol** [Ano97a]. **sEc** [SMK02]. **SECD** [Abr82, AS85a, AS85b]. **SECD-M** [Abr82, AS85a, AS85b]. **Second** [ACM06f, IEE93a, Shr89]. **SecondSite** [RCOW12]. **Secure** [AD19, AVNR19, AMH+16, CCML12, CLDA07, ETAB22, JSHM15, JAS+15, LJR12, LP11, PEC+14, QZDJ16, RC18, RI00, RSGG15, SOAK23, THB06, TtLcC13, WF07, YML+18, vD00, BDS+09, GNDB16, HKD+13, ISE08, LLX+17, Str05, SL12, TLBW12, ZBP05]. **Secured** [TMV12, WCC16c]. **Securing** [Sar01, Hal08, Hal09, PDM20]. **Security** [AKK+07, Ano93, AEB19, Att79, Att73, BDG18, De 06, ESY+17, FJKK17, GW07, HHSG18, HB17, IEE84a, IEE90a, IEE91, IEE05, JE12, KZB+90, KS08a, KS08b, LWLL10, NMMP15, PM19b, PvDS08, Pfo13, Rob12, SJV+05, SM90, SABL20, SEF+06, Ste05, TMV12, TV12, USE00b, VN08, WHD+09, WTM18, XKKL23, ZL16, ZL18b, ZYH+19, Ano07, BTMS10, Bau05, Bau06b, Bau06a, Bel06, BCP+08, Bor07, BBS06, CCMY07, CBFH20, EM06, FA21, Hal09, HMS04, IIK+06, LLW+12, MD73, MD74, Mat09, MKM+08, MA17, PG11, PZH13, PBB13, Sch13b, SDN09, VT14, WHSE15, YSM+21, vCPWvT11, DTW07]. **security-aware** [FA21]. **Security-focused** [BDG18]. **security-oriented** [IIK+06]. **see** [Yur02]. **SEED** [DTW07]. **Segment** [ELC+19]. **seinen** [KGG00]. **seL4** [DK23]. **Selecting** [GSKJ18, NBK16]. **selection** [AHRR22b, HM20, JK13, LZWC13, LLWW18, MCJ19, NNK21, ZB18]. **Selective** [WZW+11]. **Self** [BHI15, BRX13, HHW10, JC18, dOL12, SEPV19, XCSM18, BKT+19, CBLFD12, GK05, GKJ+19, KKB14, NNK21, OK90]. **Self-Adaption** [BHI15]. **Self-Adaptive** [XCSM18, JC18, SEPV19, BKT+19, GKJ+19, KKB14]. **Self-Configuration**

[BRX13]. **Self-Healing** [BHI15, GK05]. **self-hosted** [CBLFD12]. **Self-management** [dOL12]. **self-optimizing** [NNK21]. **Semantic** [Das91, DGLZ+11, FL13a, GKP+19, SBBP20, AD18a]. **Semantic-centric** [SBBP20]. **Semantics** [Gol71b, WIDP12, Dan12, EdPG+10, Siv04, Wal76, ZHCB15]. **Semi** [SEK+19, MSZ09]. **semi-automatic** [MSZ09]. **Semi-Autonomic** [SEK+19]. **Sensing** [SML18]. **sensitive** [DK17, KSLA08, LCL14, MMTM22, ZBP07]. **sensitivity** [HB13, TZK17]. **Sensor** [BSI+15, LC02, MAK07]. **sensors** [ALL06]. **Separation** [KF91, WLMD16, LWM14]. **September** [ACM81, ACM04a, ACM05a, ACM06c, ACM06b, Ano93, BW03, GHH+93, Jou85, JPTE94]. **Sequence** [ARAAA19, EDS+15]. **sequential** [Clo85]. **Serialization** [BP01, BP03]. **Series** [Kee77, KAH83]. **Server** [ARA18, Ano03a, Apr09, BE17, Bod10, Car06, CGS06, Do11, HSK17, Joo09, KSS09, KS10, KLLT18, LZ15, Lar09, LC09b, LC09a, LXZ+21, Mar08, MAK18, MG08, MG09, PZW+07, RWX+12, R+02, SWC08, WN17, ZHW+17, Zim05, Zim06, ARA20b, ARA20a, A+04, AGH+15b, AT23, BKR20, B+07, DBC+00, EBJ17, Hal08, IMK+13, KF18, LC14, LLWW18, LLS+08, LL14, LDDT12, MNT14, MRM06, NTH+17, NMC18b, NMC18a, R+13, RPE12, Wal02, WDT18, YZW+13, AAH+03, Ano03a, B+07, D+04, Ham07, Lar09, MWHH05, OH05, R+06, Rul07, R+02]. **serverless** [MK23, NRdA+20]. **Servern** [Mar08]. **Servers** [DSM14, JJK+11, KAZS14, SDD+16, SKJ+17, WLW+17, A+04, BJ22, BBHL08, G+05, Hal08, JDJ+06, Mly09, SZ13, YLJ22]. **Service** [AP22, AAMBE21, BB13, BCW20, BFG+14, DKW15, DPCA11, EMAL17, ESY+17, FBM+21, FFM+23, GR20, GGK18, HS21, HW12, HJG18, HPHV17, JWL+18, KBK+21, LP14, LGXC23, LZY+24, LGZ+19, LLW+16, LYL21, LW20, MP16, MSC+21, PHXL19, QLL+21, RSNK17, RSGG15, WVT+17, WCC20, WHD+16, XZL+20, ZLG+20, ZLZ+21b, ZWC+23, BSM+12, BSOK+20, CMG+19, CHCC07, CFRSSR19, DS18, DXM+17, EdPG+10, ECAE13, EMI13, Fro13, GHM+18, HKJ19, KKB14, KS20b, LZWC13, MCJ19, MDZ+21, MHS21, NZH20, PAKY16, PFNC20, RCOW12, SHB19, SZ13, TDD20, TSCB19, VOS12, WB16, XXWG23, YCL+19, YXL+20]. **service-aware** [TDD20]. **Service-Based** [LP14]. **Service-centric** [AAMBE21]. **service-chaining** [GHM+18]. **Service-Oriented** [HW12, MP16, RSGG15, Fro13]. **Serviceability** [RB01]. **Services** [BFHW75, IEE06b, KCY22, KLR+20, MSS+15, MLXG19, WZH+16, WC01, Wid01, ZLW18, BDS+09, HBP06, KBB11, KSLA08, LKR+19, LTZ+14, ZEdlP13]. **Set** [AC98, EL98, NKY+18, ZDLG17]. **sets** [HW15]. **setter** [YJZ+21]. **setups** [RPE12]. **several** [FGG14]. **SFC** [FXHY21]. **SGAM** [ZLH+15]. **SGX** [VMW+19, KBC21, NBB+19]. **Shadow** [WLW+15, GHS16]. **ShadowReboot** [YK13]. **Shadows** [TDMP23]. **share** [DSS19, KNHH18]. **Shared** [Bro89, CH08, Cro93, KR18, Low88, RLZ+16, RKRK17, SLM89, SV13, SNC91, SNS03, ZLSI17, CFS+12, JGSE13, PW03, TZK17, WWS89, WDCL08, ZWKX17]. **Shared-Memory** [Cro93, RLZ+16, SLM89, WWS89].

**shared-source** [PW03]. **Sharing** [AGC18, ACA16, BFHW75, Cre65, CDN02, LYGG20, Mad69, MS70, PTM+15, RG17, SAB+07, XML+18, ZZG+23, GGK19, LLZ+19, LLS14, LTZ+14, OKAM17, TtLcC13, WTLS+09]. **Sharing-Aware** [RG17]. **shell** [FL13b]. **Shift** [ARAAA19]. **shock** [BG20]. **Shoot4U** [OLZ16]. **Short** [HW15, KKC+16, SOKE23]. **Short-circuit** [KKC+16]. **short-term** [SOKE23]. **shortest** [AM16]. **shot** [JK15]. **Should** [NBB+19]. **Shoulders** [FS12]. **Showcase** [USE00a]. **showdown** [SCEG08]. **Shredder** [AMH+16]. **Shredding** [AMH+16]. **Shrink** [LWB13]. **Shrink-Fit** [LWB13]. **Shrinking** [Ste14]. **shuffling** [ZWC+14]. **Shuttle** [cCWS14]. **Sibling** [OG16]. **side** [LF19]. **side-channel** [LF19]. **SIGACT** [ACM99]. **SIGCOMM** [RM03]. **SIGCSE** [ACM06d]. **SIGMETRICS** [ACM81]. **Signal** [MBK+92]. **SIGOPS** [ACM04a]. **SIGPLAN** [ACM01a, ACM99]. **SIGPLAN-SIGACT** [ACM99]. **SIGSOFT** [ACM01a]. **SigVM** [ZBS+22]. **Silent** [AMH+16]. **Silicon** [ZL18a]. **Silicon-Monona** [ZL18a]. **SILLIAC** [Gre10]. **Sim** [Skr01]. **SIMD** [PSBG11a, PSBG11b, PBR+90, Sig89]. **Simics** [Ano14a, MCE+02]. **similarities** [CL14, CL17b]. **similarity** [GVI13, LLF+18, LLWW18]. **Simple** [Bak83, Cox07, NOR15, WDT18]. **Simplicity** [BGP00, DSSP06]. **simplification** [FS08]. **Simplified** [Beg12, ZZW+21, PSC+07]. **simplifying** [Cla05]. **simulated** [GE85, RH17, WDSW01]. **Simulating** [Ben21, HO92, NLD+23, Pou90, RPE12, TO91, ZR06, FPGK18, Skr01, WC91]. **Simulation** [ADG+92, AB16, DBMI92, JN15, KD78, Kut92, MCE+02, MBK+92, MJ93, PBR+90, PY93, SXMX+18, Tur92, WB81, WWMG06, YP15, Ano94, BHvR05, Bur02, BS96, Clo85, DSSP06, IMBB20, IM93, KK79, LJN+00, NRS92, RMB02, SK13b, SHB19, UBL+82, WWS89, YYC+19, ZSRR22]. **Simulations** [LCT+15, BL90, DH01]. **Simulator** [Ben21, CK96, CRZ83, Dun86, FTNY69, PCR89, Ber86, BR01, CMP+07, DC15, GBO87, Hog02, KW80, MRL02, YYPA01, Ano14a]. **Simulators** [NMHS15, Sup04, Man18, Yur02]. **Simultaneous** [LRZ16, ABB+15, FS19]. **Singapore** [Ano06a, TLC06]. **Single** [CCO+05, KP15, AGIS94, Fis91, KNHH18, LSS04, Mon97]. **single-chip** [Mon97]. **Single-Computer** [CCO+05]. **single-ISA** [KNHH18]. **single-node** [LSS04]. **single/multigrid** [AGIS94]. **site** [CPST15, SSB+14a]. **situ** [CKRJ17]. **Sixth** [ACM05a, TLC06]. **Size** [Lam75, NKY+18, HPHS04, UTO13]. **Sized** [JJ02]. **sizes** [GPS+18, HM18]. **Sizing** [LWB13, VTW16, CSV15, WSAJ13]. **Skip** [WBHN18]. **Skype** [Joo06]. **SLA** [AB16, EdPG+10, GTGB14, KB21, KKB14, RT18, SS22, ZHL16]. **SLA-based** [AB16, GTGB14, KKB14]. **SLA-driven** [EdPG+10]. **SLA-guaranteed** [KB21]. **sledgehammer** [LU04]. **Slice** [EMI13, KPHA20, ZLZ21a]. **Slicing** [AAT+22]. **Slicing-assigned** [AAT+22]. **Slim** [Abr80]. **Slimming** [WGF11]. **SLO** [GCL+21, HC18, LJFS17]. **SLO-Aware** [GCL+21]. **Sloop** [DZ02]. **Small**

[JJ02, SSB03, DK75, HPHS04, SS72, WH08, WWT89]. **small-scale** [WWT89]. **Small-Sized** [JJ02]. **smalltalk** [FIF+15, BMWB86, BSUH87, G+88, Lee86, SUH86, TLD+89]. **Smalltalk-80** [BMWB86, BSUH87]. **Smart** [AHKC23, AEA+23, Ano03b, CCW+20, FZD+24, GPM21, NAR19, NHL22, RHV17, GLV99, MPA+18, Rou07, WTLS+09, ZBS+22]. **SmartFVM** [KLK+22]. **Smartphone** [DAH+12]. **SMIL** [Bru07]. **SMILemu** [Bru07]. **SMOK** [DZ02]. **Smoot** [Fro13]. **Smooth** [DL89]. **smoothed** [CL14]. **SMP** [CL16a, KKJ+13, RZ14]. **SnapFiner** [CHLY18]. **SNAPS** [RG19]. **Snapshot** [CHLY18, RG19]. **Snapshots** [CWL+15, DS16]. **Snowbird** [ACM01a]. **SnowFlock** [LCWB+11]. **SOAR** [SUH86]. **SOC** [LVM16]. **social** [BTLNBF+15b, LWLL16]. **Society** [IEE90a, IEE91]. **Soft** [Ano03a, LXL+22, XH16]. **Software** [AFG+17, Ano94, Ano03a, Ano03b, AE01, AMA+14, BCG73a, BCG73b, CL17a, CPKL17, CLKEF21, CGMD19, CMK+16, DBMI92, DL89, EDS+15, FXHY21, FML+22, HO22, Hsu01, IGBKR19, JMSLM92, JN15, KP99, Kna93, KAJW93, LH16, LTT92, LLW+16, LXZ+21, LZM+20, MZD+18, MP16, Ost94, Ott18, PJZ18, Pap20, Par79, PBR+90, Sof83, SM06, SN23, SMA18, Shr89, SAT09, SB18, SKT+19, Sta07, SCL+19, Tho93, TBS17, Win71, YWH+21, YYL+15, ZKWH17, vdK09, ACM01a, AA06, ALW15, AAB+05b, AC95, BD11, CBGM12, CFG+13, DS19, FP14, Guz01, HHSG18, HH13, HP77, LJR12, LWL16, MNT14, PMP23, PV06, Sam22, SV17, TK20, WZW+11, XJW+18, YJZY12, ZWKX17, ZLZ13, ZHCB15, CK06q, CK06t, CK06r, CK06s]. **Software-Based** [LZM+20]. **Software-Defined** [AFG+17, CL17a, CMK+16, FML+22, JN15, LLW+16, LXZ+21, MP16, SB18, TBS17, YWH+21, ZKWH17, ALW15, HHSG18, LJR12, TK20, XJW+18]. **Softwarization** [CM18, Mon22]. **Softwarized** [EVCL21]. **Solaris** [VSC+10, WF03, Gal11, HDM08, See10]. **Solid** [SYC14]. **Solid-State** [SYC14]. **Solution** [CHW12, CXLX15, Coh10, DMG+15, Gua14, KDB16, PYDG22, XYD+18, BKT+19, DSS19, MPA+18]. **Solutions** [HN10, PM19b, SL16, ATS16, AGIS94, EMI13, PZH13]. **Solve** [Cap21, MTFK19]. **solver** [TB14]. **solver-aided** [TB14]. **solvers** [GCARPC+01]. **Solving** [AAR22, XA22]. **Some** [Ker88, Par71, Man15b]. **Sorrento** [M+06]. **Sorting** [BGM70]. **SOSP** [ACM03b, Vra05]. **soul** [McM11]. **sound** [BHSB14]. **soundness** [Req03]. **SOUP** [ZFH+22]. **Source** [Ano03a, LLWM23, SJV+05, SNS03, AAB+05a, But94, CKRJ17, Cia07, JM08, LC09a, PW03, SIK+16]. **source-level** [But94]. **sous** [Apr09]. **Sova** [YWH+21]. **SP** [IBM94]. **SP2** [Boz89]. **Space** [SVM+23, XML+18, Kha19, PEL11, PG11, Web10, WXW15]. **space-efficient** [PEL11]. **spaces** [GH91a]. **SPAN** [RD90]. **Sparks** [VN08]. **sparse** [Kra90]. **sparse-matrix** [Kra90]. **Spatially** [HW93]. **Spatio** [ZZG+23]. **Spatio-Temporal** [ZZG+23]. **SPC** [JYW+13]. **SPC-indexed** [JYW+13]. **speaking** [Sam22]. **Special** [Bag76, Cre65, KM13b, TZB19, WYZAD20, Yur02]. **Specialized**

[BDK+08, ZZW+21, PGLG12, Yur02]. **Specific** [HHV+02, WIDP12, JKDC05, ZS01]. **Specification** [Coh97, DMS02, LY97b, LY99, LYBB13a, LYBB13b, LYBB14, LS15, II79, Qia99, Sun95b, SUN97, JCV99, Taf11]. **SPECjvm98** [LJN+00]. **Speculation** [AC16]. **Speculative** [ZLL+20, GI12, PV06]. **Speed** [KKS+19, GGJ+92, LRP+19, RPE12, UTO13]. **SPEED08** [VW08]. **spherical** [Hol95]. **Spielesammlung** [CK06q, CK06t, CK06r, CK06s]. **Spin** [CWS12, WCS06]. **Spinlocks** [KMK16, OL13]. **Spinning** [IYAK23]. **SPIRE** [JYW+13]. **Split** [HWHW18, SIJPP11]. **spoofing** [SDN09]. **Sporadic** [BE17]. **Spot** [TVKB16, VS19]. **Spotless** [MS00, SMES01]. **Spotlighting** [Ano06a]. **Spots** [WBB+16]. **Sprache** [Dalxx, Dal97]. **Spreading** [CLW+14]. **square** [DG05]. **squeak** [Guz01]. **SqueakJS** [FIF+15]. **SR** [AT23, DYL+12, DCP+12, HB12, XD16, XD17, YWCF15]. **SR-IOV** [DYL+12, DCP+12, HB12, XD16, XD17, YWCF15]. **SR-PSO** [AT23]. **SRVM** [XD16]. **SSDs** [HC18]. **St** [IEE06a]. **St.** [ACM97]. **Stable** [XRL+22]. **Stack** [AE01, Cia07, HB12, NSC+22, Ran02, SSOT17, WH99, WBHN18, KRCH14, LH13, WW77, SCEG08]. **Stack-Based** [Ran02, KRCH14]. **Stackdb** [JHE14]. **stage** [CLG+10]. **Standard** [DPCL22, MR04, RSF03, WKG17, Ano94, Rus08]. **Standards** [Mar81, SG10a]. **standards-based** [SG10a]. **Stanford** [IEE96a, IEE97, IEE99]. **start** [KMT14]. **Startup** [HS06]. **Starvation** [KLY20]. **State** [BDG18, LHW+20, LJL+11, SGB+16, SYC14, Sur01, TV12, AEB19, MPA+18, Sch13b, Sig89, Ven99b, Web10]. **State-Based** [TV12]. **State-of-the-art** [BDG18]. **stateful** [XHW+19]. **Stateless** [VDO14]. **States** [SBK15, IMK+13, MC98, STFH15]. **Static** [JM08, YC16]. **statistical** [KF18]. **Stealing** [PWJ16]. **STEP** [BDE+03]. **Stephen** [Fro13]. **Sticky** [KC12]. **STM** [Sub11]. **Stochastic** [CCL+20, FX06, FK13, GR15, SDD+16, HKS19, NMC18b, NMC18a, YLTF20]. **stock** [VGL23]. **Stop** [LWB+15]. **StopWatch** [LGR14]. **Storage** [ACM04b, Att79, Bad82, BDT13, CC77, Cla05, ETAB22, FFBG08, FKZ17, GSW+17, KCWH14, KHW+16, KLK+22, LCK11, LJFS17, MJW+14, PPTH72, PP16, PYYG21, Rou07, SSOT17, VW08, ZSW+06, ZLL+20, ZTA+21, BN89, CCL+17, FLCB10, HJ10, HPcC04, JGSE13, LKY+17, PFH+16, Pat12, TLBW12, XJWW15, YLK+10, ZLZ+19b, ZLLL13]. **Storages** [TF16]. **Store** [Low88]. **Storing** [CWL+15]. **Storms** [SB16]. **Story** [Arm98]. **strange** [Fab13]. **Strategies** [YLN+17, BDT13, FGG14, GHM+18, LLS14, PFH+16, TKG89]. **Strategy** [BMJ+22, LLZ18, XCSM18, ZB20, DKF94, HKS19, KS18a, LPZ+22, MW18, THB22, WSX+19, Won97, YWH+23, ZLZ15, ZLH+15, ZLCZ18]. **Strategy-Proof** [LLZ18, ZLH+15]. **Stream** [MMdE19, MV16, LMDP19, ZDK+19]. **Streaming** [MSC+21, BMER14, RSLAGCLB16, SIK+16]. **Streams** [MM93]. **Strengthen** [GPM21]. **stress** [MC98]. **String** [HOKO14, YDW18]. **Striping** [DK93]. **Stripped** [JJ91]. **Stripped-Down** [JJ91]. **Strong**

[ZZW+21, ZHCB15]. **structural** [ORPS09]. **Structure** [Com65, LHW+20, MDFS72, SS72, ZFY18, ZLZ+19b]. **Structured** [Das91, Gai75, CFS+12, IM75, Syr07]. **Structures** [AGLM91]. **student** [CKP78]. **studies** [vCPWvT11]. **Studio** [Ano03b]. **Study** [BBM+15, LMR18, LSSC22, LJL+15, PXG+17, PK75a, ZAI+16, CMG+19, HIIG16, HL13, KW13, MFT+19, EYGS19, Pul91, RHR02, RK18, SM79, SASG13, Sig89]. **Sub** [GGM+16]. **Sub-System** [GGM+16]. **Subroutines** [HT98, Qia99]. **Subset** [SUN97, Req03]. **substrate** [OKAM17]. **Subsystem** [HH79, Ste14]. **Suffix** [HWHW18]. **Sugar** [YML+18]. **Suitable** [Vog03, GSKJ18]. **Suite** [DHPW01, WZT19, DTW07, GPW03, SMSB11]. **summaries** [BA19]. **Summary** [CFH+79]. **Summer** [HMS17, Sof83, USE85, USE86]. **Sun** [Gal09a, Gal09b, Gal11]. **Superblock** [KS13]. **Supercloud** [SJS+17]. **Supercomputer** [MBK+92, LPD+11, XH90]. **Supercomputing** [ACM89, ACM96, ACM00, ACM04b, ACM05c, Hir92, IEE90b, IEE92, IEE93b]. **Superconcurrent** [NRS92]. **superoptimization** [HW15]. **superscalar** [VdlFCC97]. **supertype** [RRB17]. **Supplement** [McC74]. **Support** [BP01, DJ77, HHV+02, HD16, HB12, KYP+17, LV99, MSI18, NSL+06, NLPV12, RI00, SCC+23, SSG90, Tur92, XD16, ZL18a, dGG+17, AC95, BADM06, BTLNBF+15b, BP03, CHCC07, CFS+12, DJ76, EBLM22, GK05, NBS18, Olb78, ORPS09, PGLG12, RK18, SJRS+13, STFH15, SL12, TY14, THL03, WK08, WCS06, WLL+13]. **Supporting** [BMS16, CWS12, Kim84, Kov19, MSS+15, Mon97, RT93, XWJX15, YWCF15, ZZF06, BTLNBF+15a, GD08, TT93]. **Supports** [Ano03a]. **surgery** [PBL+16]. **Survey** [ASL+20, AAAF21, BAL15, FLZ+20, Gol74, HSN17b, KKLV16, KL14, KK19, LXW+23, Mal72, Man15a, PM19b, PS16, PS19a, QTR21, SB16, SGB+16, UOKT84, VV18, WMUW19, AGH+15b, CB10, DS19, FMIF18, HKB19, MG13, MHS21, NIA18, PBB13, XTB17, YWL+18]. **Surveyor** [Fra83, GHF83a, GHF83b, WNL+83]. **Survivability** [NHL22, YZW+13]. **Survivable** [ACA16, AM16]. **SUSE** [Bau06b]. **Sustainability** [FBL18, SS17]. **Sustainable** [GB19]. **SVGrid** [ZBP05]. **SVLM** [DS20]. **SVM** [JAS+15]. **SVS** [LJZ12]. **SW** [DCG12, Wu13]. **swap** [KB21]. **Swapper** [ZLSI17, ATS14]. **Swapping** [CC77, ABG14]. **Swarm** [PS23, AT23, BRS+22, JNR12, KSS+20, KSS+23]. **Sweet** [WBB+16]. **Swift** [NOT+17]. **Swiper** [CRZH15]. **switch** [BR01, Ste14]. **switches** [YGLY21]. **Switching** [DMG+15, LBL16, YLJ22]. **Sy** [USE01c]. **Sydney** [MR91, Gre10]. **symbiotic** [LD11]. **symbolic** [MMP+12, TB14]. **SymCall** [LD11]. **Symmetric** [DBO+18, GMP89]. **symmetry** [PBL+16]. **Symposium** [ACM75, ACM03b, ACM05a, ACM06d, Ano00, Ano01a, Ano01b, Ano04a, Ano04b, Ano10, HHK94, IEE84a, IEE85, IEE90a, IEE91, IEE96b, IEE06a, Ost94, TLC06, USE91, USE93, USE00b, USE01d, USE02, Vra05, IEE96a, Ano02]. **Synchronization** [BC19, LJL+11, ZJXL11, Sub11, Uhl07, Ven97d, YQZ19]. **synchronized** [KS18b]. **Synchronous** [SIR+17]. **synergy** [BRS18]. **syntax** [KMMV14].

**Synthesis** [DMS02, BPB86]. **Syracuse** [IEE96b]. **System** [ACM75, Abr80, ABCC66, Ano10, AAK18, Bad82, BFHW75, BBD+91, BPP+17, BH73, BYBYT16, Ben21, BJPS73, BGS89, B+05, Car13, CSS+13, CZX+19, Cre65, CWL+15, CHPY17, CHLY18, DMR10, DM75, Fis01, GGM+16, G+06, GH91b, HXZ+16, HW93, HHC+16, HWCH16, IBM76a, IN87, JAD19, Kam83, Kee77, KP15, Kut92, LP14, Li14, LCZ+19, LCFL12, LXM+16, MCE+02, Mar73, Mat10, MNN05, MS70, MDGS98, MB98, MS91b, MM94, NSHW10, NMS+14, P+08, PHXL19, PDY+23, QTR21, R+06, RHV17, Sch86, SLM89, SVN+10, Shi03, Shr89, SJA+17, SWF16, Ste05, WLW+15, WK90, ZCJ+21, ZSXZ07, ZQCZ16, ZLL+20, ZZF06, ZXY+15, AD18a, AEMWC+12, AL05, AH12, ACT94, AP18, Bar78, BSD19, Bor07, Bur02, Caa00, CWH+14, CK06b, CK06e, CKP78, CBFH20, DHD20, DCA17, FFBG08, Fis91, Fli77, GGQ+13, HN08, HKD+13]. **system** [HC12, Hui18, IBM88, Int88, KB21, KCKC15, KK79, LJN+00, Lia05, LLX+17, LMDP19, LDL+08, MR23, MD73, MD74, MDFS72, NMC18b, NMC18a, PRB07, PK75b, RG19, Rob06, SNV10, SPF+07, SJL20, SWW+18, SZ13, SS72, STY+14, TC10, Vag10, Van06, VMBM12, VSC+10, WKT08, WH08, WWT89, WHSE15, WF07, WC91, YLCH17, YZSC17, ADG+92, ABDD+91, Car14, Gum83, HTAY21, IBM76a, SNC91]. **System-level** [SVN+10, AL05, BSD19, WHSE15]. **System/370** [IBM76a, Gum83, IBM76a]. **System/6000** [ABDD+91]. **System/9000** [ADG+92]. **Systemarchitecktur** [See08a]. **Systematic** [BDF19, DCM22, QCM+24, ARA18, ARA20b, ARA20a, BJG19, BJ20, KHA22, NK22, ZJRW19]. **Systeme** [WF03]. **Systèmes** [Han73]. **Systems** [ACM81, ACM03b, AAT+22, Ano99b, BBMA91, BHI15, BDG18, BG74, CD12, CC77, CAF+91, Das91, DJ77, Fie68, Gol69, Gol71a, Gol73c, Han73, HHS18, Her10, HBL+10, IEE93a, IEE01, JAD19, JYM+23, KSVR23, Lar09, LW11, LJZ12, Mad69, MM93, MJW+14, MKKE12, NBB+19, NL19, PPG+17, QCM+24, RT93, SMP22, SL14, SS75, Say66, SVB93, SL16, SN05b, THB06, USE99, USE01b, Vra05, WN17, WLMD16, Win71, YVCB17, YVCB18, ZD18, ZTA+21, AJH12, ALW15, AT16, Ano93, AAB+05c, BKT+19, BSOK+20, BSSM08, CCZ+06, CGL+08a, CGL+08b, CGL+08c, CK06a, CP17b, Com00, CGV10, CLDA07, Dav04, Don87, DJ76, DCMW17, EBJ17, FP14, FLCB10, GHH+93, GK05, Ham76, HKN22, HH13, JSK+13, Kee68, KCS14, Kou11, KS20b, LLLE17, LWM14, LZWD15, LCL14, LTK17, MRC+13, MA17, NS07, NV05, PSC+07, RVJ+01]. **systems** [RKT20, RHZ+17, RJK16, Ros06, RGS+20, SJB14, SK13b, SSMGD10, SJJ+12, Sto07, Syr07, TMJ+21, TT93, THC+14, Vac06, Vit14, WR07, WKC+09, XZK+20, YK13, DPCL22]. **Systemverwaltung** [Lar09].

**T** [CZX+19]. **T-Gaming** [CZX+19]. **Tables** [MT16, MT17, WLW+15]. **tackle** [Sub08]. **tactics** [OG16]. **Tail** [ASSB18, WZKP19, War80]. **Tailor** [PDL+23]. **Tailor-made** [PDL+23]. **Taipei** [SS05]. **Taiwan** [SS05]. **Take** [Kis08]. **Taking** [Uhl06]. **talk** [Piz17]. **Taming** [CZL08, HHPV15]. **Tan** [Fro13]. **Tape** [DK93]. **Target** [GC00, FCG+05]. **Targeting** [CDG97].

**Targets** [Sta07]. **Task** [ARAAA19, DS22, KMM13, LWW16, PCC+16, RRB19, ATZP21, LFHS23, MMTM22, ZB18]. **Tasking** [MB98, Shi03, JDJ+06]. **Tasks** [KGS16, VS19, YSS+17, ABB19a, FGG14, KLY20, YQZ14]. **Taxonomy** [Car23, FLZ+20, GB19, SGB+16, SB18, ZXR+22, AGH+15a, HKB19]. **TCAM** [HWHW18]. **TCAM-Based** [HWHW18]. **TCB** [HCJ07, HPHS04]. **TCP** [CL16b, GKXK13, GI12]. **TD** [WBW+19]. **teach** [Don88]. **Teaching** [Ågr99, Dav04, Don87, GGG03, ME87, Guz01, Ham76, KW80, MS01, NV05, WKC+09, YYPA01]. **teasing** [LBF12]. **Technical** [ACM06d, Ano06b, Han16, OH05, USE01a, USE06, BB08, Int06c, Int06a, LC09a, Wal10, ZMD+21]. **Techniken** [Tho08]. **Technique** [JHS12, JMSLM92, LTT92, SMK02, WMUW19, ACT94, FAA17a, FAA17b, KLY20, PS23, SLA+16, XHL+13, YKS16]. **Techniques** [ACM06b, ASL+20, BDG18, BCG73b, BG74, KK19, LJL+15, NKY+18, OVI+12, QTR21, SMA18, SIdLB15, Tho68, UOKT84, VV18, ZZF06, AD18a, ARA18, AA06, AH12, BADM06, CMGI+23, HSC15, IM93, KS13, KRG+12, SSN12, SHTE11, TSCB19, VGL23]. **technische** [LC09a]. **technologie** [Apr09]. **Technologies** [AEA+23, DF96, LCMV17, PZW+07, RC18, SABL20, USE99, USE01b, AMIA19, Cla05, Kao17, MPA+18]. **Technology** [Ano00, Ano01a, Ano01b, Ano02, Ano04a, Ano04b, Cap21, DLM+06, Don06, ELC+19, Got07, Her06, RG05, USE01c, USE01d, USE02, UNR+05, VSMC23, WHD+09, XKKL23, ZAI+16, Apr09, BKR20, Int05a, Int05b, Int06b, Int06c, Int06a, Str05, AJM+06, NSL+06, NKK+06, RSW+06, Uhl06]. **Tele** [HMS04]. **Tele-lab** [HMS04]. **telehealth** [WQG15]. **template** [WRX11]. **Temporal** [CWdO+06, ZZG+23, WBW+19]. **temporal-difference** [WBW+19]. **Tenancy** [DY17]. **Tenant** [LCZ+19, SWW+18, YKS16, ZRZY15]. **Tensor** [NLD+23]. **term** [SOKE23]. **terminal** [CKT08]. **terminals** [IIK+06, ISE08]. **Terra** [BSI+15]. **Terrestrial** [QLL+21]. **TerrierTail** [ASSB18]. **Tesseract** [ABG14]. **Test** [Kol19, LPSS19, NL19, SM06, ABDD+91, IIPB09, LLS+12]. **Testbed** [AHKC23, HLW+10, ZGW+06]. **testbeds** [ACM06c, ADWM18]. **Testboard** [Kut92]. **Testing** [Ame13, CQLL18, DKF94, GFB+92, HLP+16, Kao17, KLF+15, MMP+12, Ost94, VS06, BD11, CSS+16, FCD09, KFF12, SCFP00]. **Texas** [ACM75, ACM06d, USE01b, IEE02, IEE03]. **Theia** [BA23]. **their** [EF94, KCV11, SS13]. **Them** [HPHV17]. **Theorem** [Hir17, SSH17, BW03]. **theoretic** [NS17]. **theoretic-based** [NS17]. **Theoretical** [Kna93]. **theory** [LWCZ22, WSAJ13]. **Thermal** [LCL+23b, AJBJ23, CLL+23, IRB19, KR16, LCL+23a]. **Thermal-aware** [LCL+23b, AJBJ23, CLL+23, IRB19, LCL+23a]. **Thermostat** [AW17]. **Things** [Gal09a, Gal09b, Gal11, ASL+20, AAMBE21, CMG+19, KB21, PTD+18, SXH+19, WSX+19]. **Third** [Ano04b, CRZH15, PG74, PG73]. **Third-Party** [CRZH15]. **Thoth** [KB17]. **thousand** [SK13b]. **thousand-core** [SK13b]. **Thread** [GCL+21, MP01, BKC+13, Ven97d]. **threaded** [FGG14, HC17, SE12, tTR82]. **threads** [UR15]. **Threat**

[Aln22, SL16, YYY+23, LMDP19, PST15b]. **Threats** [ZYH+19, PZH13, vCPWvT11]. **Three** [YYPA01, Vit14, YZW+13, ZFY18]. **three-layer** [ZFY18]. **threshold** [SENS16, TDG+18]. **threshold-based** [SENS16]. **Thresholds** [XCSM18]. **Throughput** [BPP+17, BCW20, GKXK13, PYYG21, GI12, ZSW+06]. **Throughput-Oriented** [PYYG21]. **Thunderbird** [Joo06]. **ticket** [OL13]. **Tier** [KSVR23, LH15, WZKP19, XZL+20, WDCL08, ZNSL14]. **Tiered** [GGK18, AW17]. **Time** [Bad87, BE17, CW03, Cre65, FXHY21, FML+22, Fuj91, GLL+21, GPM21, Hu90, HWB03, HS06, JAD19, JYM+23, KR18, KPHA20, LTE12, LWC+17, LSSC22, LXL+22, Mad69, MS70, NL19, PPG+17, Sta97, WZKP19, ABB19a, AS76, AMIA19, ACT94, ABC+07, BBS06, CGM17, DEE+16, HK07, HcC14, Ive03, KJ13, KBB11, LD05, LTK17, MNT14, MMTM22, MA21, NBS18, PTD+18, QCM+24, QT06, RAT17, SBNU18, She91, Ste14, SCA+24, TSLBYF08, WQG15, YK13, YCL+19, ZEdlP13, ZGL+17]. **Time-Constrained** [LTE12]. **time-sensitive** [MMTM22]. **Time-Sharing** [Cre65, Mad69, MS70]. **timebombs** [CWdO+06]. **Times** [ELC+19, PLMA18]. **Timing** [Hu90, HWB03, KKS+19, LGR14]. **tiny** [LC02]. **TLB** [OLZ16, RGSJ17]. **TM** [Qia99]. **Tolerance** [JKJ+10, RZPX19, ZJXL11, RCOW12, SM23a, XXWG23, YLH14]. **Tolerant** [FK03, Kim84, YWR+14, SNV10]. **Tool** [Ano03b, Wil01, KK79, Lia05, Ska07, Skr01, SCFP00]. **toolkit** [ACG18, DZ02, PW03]. **Tools** [AC98, BDG18, Cal75, GG11, LC09a, MJW+06, PY93, QNC07, ACM01a, EL98, YYPA01]. **Toolset** [Ott18, PTD+18]. **top** [KMT14, PBWH+12, Won97]. **topic** [YZSC17]. **Topics** [IEE01]. **topological** [KKM+13]. **Topology** [CYX+17, TB17, dSdF16, AM16, PST15b]. **Topology-Adaptive** [CYX+17]. **Topology-Aware** [dSdF16]. **TOPSIS** [SS19]. **Toronto** [Sof83]. **TOSCA** [BSNB20, BRS18]. **TosKer** [BRS18]. **Total** [LGJ+18, THG+18]. **TotalStorage** [D+04]. **TPC** [NP13]. **TPHOLs** [BW03]. **TPM** [KC12]. **TR** [Int05b, Int06c, Int06a]. **Trace** [BA23, MZG14, NASD21, BDE+03, DC15]. **Traces** [BA23, WKG17, DD20]. **tracing** [BT15, PFH+16, WKJ15, Wol99]. **Track** [Shr89]. **Tracking** [JADAD06a]. **Tractable** [KR94]. **Trade** [MTJ+22, SIdLB15, XZK+20]. **Trade-off** [MTJ+22]. **Trade-offs** [SIdLB15, XZK+20]. **Tradeoff** [MTFK19, UTO13, WCY+17]. **Tradeoffs** [CMM+06a, CMM+06b, CMM+06c]. **trading** [LWLL16, VGL23]. **Traffic** [BBM+15, CGC16, CYX+17, DK17, LXL+22, PCW+16, VV18, YLTF20, CBJ22, FLL+13, HH19, IKU15, JYOB18, LLZ+19, MG19, WZV+13, XHW+19, YCL+19]. **Traffic-Aware** [CGC16, CYX+17, JYOB18]. **traffic-intensive** [IKU15]. **Traffic-sensitive** [DK17]. **Transactional** [URJ18, CMM+06a, CMM+06b, CMM+06c, ZHCB15]. **Transcendent** [VTW16]. **Transfer** [HHC+16]. **transfers** [DPBK16]. **Transformation** [WIDP12]. **transformations** [HB08]. **transient** [LRC05]. **Transiently** [LDRS18]. **Transition** [MBWW86, Syr07]. **Translation**

[AZEE17, AZEE18, JXL+12, LH16, YVCB17, YVCB18, dGG+17, CFG+13, JYW+13, Oi05, Oi06, Oi08]. **translation-based** [Oi05]. **Translational** [WIDP12]. **translations** [UTO13]. **Transmission** [RSNK17, RSN+18]. **Transparent** [BZA12, FK03, JKJ+10, KKH14, MSI+12, dGG+17, AW17, JXZ+10, MRC+13, YJZY12]. **Transputer** [Boa90, GHH+93, Boa90, GHH+93]. **travel** [TSLBYF08]. **Traveling** [YK13]. **traversal** [YTS14]. **Treating** [SSOT17]. **Tree** [Hal79, KMMV14]. **Trenches** [HN10]. **Trends** [RG05, AH12, CM18, JPTE94, vD06]. **TRI** [ACM97]. **TRI-Ada'97** [ACM97]. **trie** [SV17]. **trie-based** [SV17]. **tries** [SV15]. **Trigram** [Cox12]. **Troubleshooting** [WF03]. **Troy** [Ano97a]. **truly** [ZBS+22]. **trust** [XJR+17, RNA+22]. **TRUst-aware** [RNA+22]. **Trusted** [DPW+09, ETAB22, SVB93, Str05, DJP+24, BCP+08, KSLA08, WH08]. **TrustZone** [PPG+17, PS19a]. **TrustZone-Assisted** [PPG+17]. **Truthful** [NMG15]. **TSAC** [WZL15]. **Tucson** [IEE05]. **Tuning** [EDS+15, RS16, WZL+23]. **Tutoring** [GH91b]. **TVDc** [BCP+08]. **Twelfth** [MR91]. **Twenty** [MS91b, Shr89]. **Twenty-Fourth** [MS91b]. **Twenty-Second** [Shr89]. **TwinDrivers** [MSZ09]. **twins** [HCJ07]. **Twitter** [Guy14]. **Two** [AW17, ASMA21, IMBB20, SSG90, TF16, BSSM08, CCMY07, HCJ07, LUL+05, SZKY21]. **two-dimensional** [BSSM08]. **Two-Level** [ASMA21, SSG90]. **Two-phase** [TF16, SZKY21]. **Two-tiered** [AW17]. **TX** [ACM99]. **Type** [ADM98, AT16, Arv02, KCV11, PRB07]. **type-** [Arv02]. **Type-Precision** [ADM98]. **Typed** [G+88, BDT13, GLV99, KRCH14]. **Types** [Wel94, GLW23, MFT+19]. **TypeScript** [RSF+15]. **Typing** [RSF+15, RAT17].

**u.v.a** [Tho08]. **UCSD** [SP83]. **UKCF** [JXL+12]. **umfassende** [Bod10, Fis09]. **Umgebng** [CK06p]. **Umgebung** [CK06a, CK06e, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06l, CK06n, CK06o, CK06q, CK06t, CK06r, CK06s]. **UML** [Fre05, RFBLO01]. **UMLexe** [Fre05]. **uncertainty** [LPBB+18]. **underlying** [FBZS12]. **understand** [DMH18]. **Understanding** [FRM+15, Set13, ZRZY15, LWB+15]. **underutilized** [HM20]. **Undocumented** [Sch94b, Sch94a]. **Unexpected** [Par71]. **Unfairness** [SJA+17]. **Unhooking** [AKCP21]. **Unified** [ZDS+22, MBA+12]. **Uniform** [Eug06, Bod88]. **Unifying** [MD12]. **unikernels** [MK23]. **unique** [AM16]. **Unit** [DCG12, PXG+17]. **United** [Vra05]. **uniting** [LUL+05]. **Units** [VLZL16, Vol90]. **UNIVAC** [Kam75]. **Universe** [Nel04]. **Universities** [Sta07]. **University** [ACM75, ACM81, Gre10, IEE96a, IEE97, IEE99]. **UNIX** [JJ91, KAH83, NSHW10, Gen86, HO92, Kal97]. **Unknown** [CLW+14]. **unleashed** [Ano97d, HH08, MG08, MG09]. **Unmodified** [HLP+16, MKKE12]. **Unpicking** [LBF12]. **unreliable** [MPM+20]. **unsound** [AT16]. **Untrusted** [CD12, HKD+13, HPHS04, WLL+13, ZBP05]. **upcalls** [LD11]. **Update** [FXHY21, LC14, SCL+19, VVC+17, J+05]. **Updates** [LCZ+19, LDRS18]. **updating** [CCZ+06]. **upfront** [ZLW+19a]. **upgrade**

[CHCC07]. **Upgrades** [Ano03a]. **uptrees** [HB13]. **UPWN** [M+06]. **Urgent** [AGJS16]. **USA** [ACM81, ACM01a, ACM03b, ACM05a, ACM06c, ACM06b, ACM06d, Boa90, IEE93a, Shr89, USE01c, ACM75, ACM05d, ACM06a, Ano01b, Ano04b, IEE84b, Ost94, USE85, USE86, USE91, USE93, USE99, USE00a, USE01a, USE01b, USE06]. **Usage** [KLLT18, RSW+06, WH99, KTB17, RGAT18, SOKE23, SK13c, YW20]. **USB** [Ano03a]. **Use** [AAAF21, Bec09, CLŁS12, Guy14, GGK19, KK79, Sch13a, SJJ+12]. **use-case** [GGK19]. **used** [tTR82]. **useful** [LC09a]. **usefulness** [SM79]. **USENIX** [ACM05d, Sof83, USE91, USE93, USE06]. **User** [Chu06, ZQCZ16, Ano93, ACT94, Bor07, CLM+22, Guz01, PG11, RSC+15, Sto07, Tho73, ZLZ13, ZLZ+19a, CKT08, Dav04]. **user-controlled** [Sto07]. **User-Level** [Chu06, ZQCZ16, CLM+22, ZLZ13]. **user-space** [PG11]. **User-terminal** [CKT08]. **Users** [Boa90, IBM76a, SS17]. **userspace** [DD20, Ste14]. **Using** [AAF+09, ARAAA19, ASL+20, ABV12, ALL06, Bas04, Bas06, Ben21, BA23, BRX13, CMGI+23, CQLL18, Che21, CCO+05, DBMI92, Don88, ESY+17, Guz01, HLW+10, HWHW18, JMSLM92, LJN+00, LTT92, LD05, Mar73, MV16, MZ20, NASD21, OLZ16, PEC+14, RSW+06, Sar01, See10, SM06, SC17, SYB12, SAT09, SBK15, SXCL14, TDG+18, WDSW01, WKG17, WUNK17, Wil01, Wol99, XSC13, XCSM18, ZLG+20, ZBP07, ZLW+19b, dGG+17, AD18a, Ågr99, ATS16, AWR05, AP18, AGIS94, BSM+12, BHvR05, BSOK+20, CL14, CPM+18, CCZ+06, Dan12, DHD20, DS22, EB20, FFBG08, FA21, FL13b, GHM+18, HKJ19, HJ10, HTAY21, HN08, HPHS04, Hol95, HPS22, JNR12, JWH+15, JGSE13, JYOB18, Juo07, KSS+20, KSS+23, KKM+13, KS18a, KJJ+16, Kip21, KGS16, KL13, Kou11, KRG+12, LDL14, LLWW18, LQW+12, MHM19, NMC18b, NMC18a]. **using** [NV05, PBL+16, Pon19, RP07, RWC21, SEM+20, SGV13, SSN12, SS22, SIJPP11, SIK+16, SSH17, STFH15, SSN94, Str05, TSLBYF08, TSR19, TF16, VT14, WGW+18, WZZ+20, YK13, YLWH14, YWF09, YWCF15, ZLZ13, ZDLG17, ZB18]. **usual** [dCJR16]. **UT** [Ren78]. **Utah** [ACM01a, CK87]. **Utility** [LGZ+19, CSV15, JWH+15, PSZ+07]. **Utility-Based** [LGZ+19]. **Utilization** [HLBZ20, KBDK22, KCKC15, NL19, uRQS20]. **Utilization-Based** [NL19]. **Utilization-prediction-aware** [HLBZ20]. **Utilizing** [GVI13, KOY05].

**V** [Gal09b, Lar09, LC09a, Apr09, Car06, DK23, KVV09, KSS09, KS10, Lar09, LC09b, LC09a, MTJ+22, MG08, MG09, SMP22, SVM+23, SRS09, AJ18]. **v-Mapper** [AJ18]. **V2E** [YJZY12]. **Validation** [BSL+18, FZD+24, SSB14b, SSB01]. **Value** [TF16]. **VaNetLayer** [BTLNBF+15a]. **VAP** [PM19a, XJW+18]. **vApp** [SG10a]. **variability** [ASB18, BDQR23]. **Variable** [ADM98, Lam75, Oi05, Oi08]. **variation** [CCL+20]. **variation-aware** [CCL+20]. **VAX** [KZB+90, LJZ12]. **VAX/SVS** [LJZ12]. **vCache** [KKH14]. **vCloud** [KMK10]. **VCP** [Khn09]. **VCPU** [WCC+16a, IYAK23]. **vCPUs** [OLZ16, WCG21]. **vCUDA** [SCSL12]. **VDE**

[GD08]. **VDI** [ZFH+22]. **Vector** [Abr80, LRZ16, WWS89, Ble89, SZ88]. **vectorized** [SZ88]. **vectorizing** [LRP+19]. **VEE** [ACM05d, ACM06f]. **VEEs** [LCT+15]. **Vegas** [ACM81]. **VEhicle** [RNA+22]. **Vehicles** [SDM21]. **vehicular** [BTLNBF+15a, MCC18, YBZ+15]. **Velox** [TV18]. **Vergleich** [Zim05]. **verifiable** [CMP+13, PK75b]. **Verification** [ABDD+91, JE12, JES+15, LZM+20, SSB14b, ZL18b, ZLZ+21b, BSD19, DL19a, FC98, LLS+12, PBL+16, SSH17, SSB01, ZSRR22]. **Versatile** [EBJ17, SN05b]. **Version** [Bru07, Sim92, WR07, WR08, Ano94, Ano14a, IBM96, MIS+05]. **versioning** [STFH15, WF07]. **Versus** [Ran20, DK75, HPHS04, SCEG08, VED06]. **vertical** [BFS+18, STY+14]. **Verwaltung** [Zim05]. **Very** [RGSJ17, SSB03]. **VFe** [Ano05]. **vGPU** [LZM+20, SM23b]. **vGreen** [DMR10]. **VHDL** [FS89]. **VI** [Int06b]. **via** [FL13a, GI12, GLLJ16, HSK17, HB13, KJM+07, KNHH18, LF19, LJL+11, MSS+15, NGRF19, QZDJ16, RZPX19, SP83, SDD+16, TDG+18, WZL+23, XWJX15, YTS14, ZSW+06, vSMK+20]. **viable** [HW15]. **viele** [WR07, WR08]. **vieles** [Joo06]. **View** [GB19, KKH14, AD18a, Guy14, LDDT12]. **Viewer** [BA23]. **Viewpoint** [LPSS19]. **Views** [PW03]. **Vigilant** [PBYH+08]. **VIII** [IEE01, IEE96a]. **VINEA** [EMW16]. **ViNEYard** [CRB12]. **Violation** [ZHL16]. **violations** [BSM+12]. **VirtCL** [YWTC15]. **virtio** [Rus08]. **Virtual** [ACM05d, ACM06f, AGJS16, AS85a, ABCC66, AEM+14, ADM98, AGH+15a, AZEE17, AZEE18, AAAF21, AAR22, AAB+05a, ACL72, ABV12, Ano75, Ano97b, Ano97a, Ano97c, Ano97d, Ano00, Ano01a, Ano01b, Ano02, Ano04a, Ano04b, Ano05, fLtNW14, AE01, Apr09, Arc07, AD11, AAK18, AY24, ASSB18, Att79, Att73, AH68, ACA16, AC98, AMA+11, BWP85, BFHW75, Bai70, Bak83, Bal91, BMS16, BYZZ20, BP99, BDF+03, BBTK+17, BDJdS02, BSSS14, BWH+19, BDF+99, Bee05, BCC+15, BH73, Bel06, BB13, BN75, BJ20, BHDS09, BJPS73, BBHL08, BL17, BFG+14, BWD+15, BBM+15, Blu02, BBM09, BD01, BP01, BP03, BZD17, Bro89, BRX13, BFM+21, VMW+19, BBS06, BJH+16, B+07, BG73a, BG73b, BCG73a, BCG73b, BG74, Caa00, CTS+93, CW03, CCWY05, CL17a, CFH+79, CFH+80, CWL12, CFM17, CCML12]. **Virtual** [Car13, CK87, CFVP12, CWS12, CHCC07, CGMD19, CF00, CT03, CSS+13, CGC16, CL16a, CL16b, Che21, CRZH15, CCO+05, CC77, Cla97, Coh97, CDG97, Cox09, Cra05, Cra06, Cra98, CH78, CWG00, CWL+15, CHPY17, CYX+17, CHLY18, CDN02, Dalxx, DAH+12, Dal97, DHPW01, Dan86, DD20, DSM14, DG05, DEK+03, Den01, DK17, DMR10, DKW15, DCM22, DF96, Do11, DGLZ+11, Dom80a, DL19b, DJ76, DJ77, DCA04, DLS+01, EGR15, EGJS15, ECJ+16, ETAB22, Eng99, EM06, EMAL17, EG01, Ert03, EMW16, EDS+15, FXL+23, FZD+24, FFB+00, FG91, Fie68, Fis01, FPS+02, (Fo71, (Fo78, Fra98, FK03, FL13a, Gai75, Gal73, G+01, GWZ16, GKSP99, Gei02, Gen86, Gol69, Gol71a, Gol71b, Gol73c, Gol73b, GGG03, GC00, GLBJ18, Gum83, HHV+02, HHW10, HT98, Hal79, HTW+19, Han73, HKLM17, HM01, HA79]. **Virtual** [HTB22, HLW+23, HH79, HB17, Hin97, HKM+18b, Hir17, Hof20, Hor73, HKKW13, HS13, HWB03, HS06, HB08,

HPS22, HPP15, IBM72, IBM73, IBM76b, IBM85, IBM88, Int88, Ian14, Ibs84a, Ive03, JR02, JHS12, JJK+11, JE12, Jen79, JXL+12, JMSLM92, JQWG15, JAS+15, JN15, JKJ+10, JADAD06a, JDJ+06, JJ02, Juo07, KCWH14, KRS+17, KC16, KS08a, KSS+20, KSS+23, KMK16, KNT02, KKTM17, KF91, Ken80, KDB16, Kim84, KJL11, gKEY13, KKJL14, KP15, KPHA20, KAH83, Kov19, KGZ+04, KLLT18, KLF+15, LCWB+11, LMM18, Lam75, Lau87, LW73, Law00, LW11, LP14, LSC+17, LMR18, LLW98, LMG00, LMG01, LTE12, Li14, LZL+15, LZWD15, LVM16, LWLL16, LYYY17, LGJ+18, LLWM23, LB98, LV99, LTT92, LD05, LWW16, LXW+23, LY97a, LY97b, LY99, LYxxa, LYxxb, LYBB13a, LYBB13b, LYBB14, LHAP06, LWLL10, LJL+11, LW12, LJL+15, LLZ18, LWZ+18, LCZ+19].
**Virtual**
[LPB17, LPBB+18, LFBB94, Loy92, LTK17, LXM+16, MSG14, Mac79, Mad69, Mal73, MS91a, Man15a, Man16, MSLY24, Mar73, MD12, MP16, MZ20, McG72, MRG18, Men03, MS70, MD97, MDxx, MW18, MDGS98, MLG+02, MB98, MKKE12, MA21, II79, MP01, MJW+06, MM94, NBH08, NBK16, NMG15, Nel04, NASD21, NGRF19, NLD+23, NSJ12, NL19, Nou92, OT97, OKAM17, Oi05, Oi06, Olb78, PTHH14, PAKY16, Par71, Par72, PPTH72, PP73, PSBG11a, PAC+22, PHXL19, PXG+17, PNM+20, PRB07, Pfo13, PHC20, PF23, PS16, PCC+16, PK75a, Pro00, Qia99, QBL+23, QT06, RNA+22, RG17, Ran20, Ran02, RLZ+16, Ren78, Rev11, RIP18, RY10, RI00, RSN+18, RRB19, Ros99, Ros04, RG05, RS20, RCTY19, RB01, SMK02, Ibs84b, SL14, San88, SSB+14a, SD01, Say66, SH04, Sch13a, SMES01, Sch09, Sch94b].
**Virtual** [Sch94a, Sch73, See10, Set13, SMSB11, SSB03, SC17, SCEG08, SCSL12, SMA18, Shi03, SM01, SGV12, SV13, Sim92, SCP93, Siv04, SSG90, SN05a, SN05b, SHZ+14, SBP+17, SXMX+18, SB73, Sta97, SSB01, SSB14b, SHB+03, SVL01, Sun95b, Sun95a, SUN97, JCV99, SKI+17, Sup04, SM02, Sur01, TSLBYF08, Tai98, TT96, TTH+19, TMV12, THB22, TY14, Tol98, TO96, TV12, USE01c, USE01d, USE02, UT87, UBF+98, UR15, Vag10, VTW16, Ven97a, Ven99a, VGF16, VL00, Vog03, Vol90, WL96, WIDP12, Wak99, WH99, Wal99, WDL+20, WB81, WLW+15, WZH+16, WWL+17a, Wel94, WGLL13, WZL15, WLLZ16, WCSG05, WHD+09, Win71, WP97, Wol99, Won97, WWMG06, WLCS17, WWL+17b, XKY+11, XSC13, XHL+13, XWJX15, XLL+14, XLJ16, XLWX19, XLL+20, YC98a, YLH17, YWY+17, YLCH17, YWH+21, YP15, ZWFX17, ZDK+22, ZS01, ZLW+14]. **Virtual** [ZRD+15, ZRS+16, ZL16, ZCG+17, ZL18b, ZLZ+19b, ZZW+21, ZCL+21, ZZF06, ZWL+18, ZWC+23, ZLL+16, Zho10, ZHL16, ZYLY18, ZJXL11, ZTWM17, Zim05, ZR06, Zyt94a, Zyt94b, dSdF16, vD00, vLSM01, Ågr99, AEMWC+12, ABB19a, Abr82, AS85b, AD19, AGSS10, AJBJ23, AAH+03, AGH+15b, AHRR22a, AHRR22b, AT23, ATZP21, ADA+19, AAB+00, AAB+05b, AC95, Ame13, AGH+16, Ano94, Ano96, Ano99a, AO16, ATS16, AFT01, ABC+07, Arm98, AWR05, AAM+16, AMAB17, Arv02, AP18, AS14, AMB+17, AAC+17, ANH00, BB20, BAC15, Bag76, BML+13, BSM+12, BDF+98, BDS+09, BDQR23, BHvR05, BG20, Beg12, BPC94, BMF23, BB12,

BB15, BCP+08, BJ22, BCM90, BRS+22, BPM+22, Bir94, BADM06, BFC02, BY20, Bri98, BB95, CSMB15, CARB10, CL14, CL17b, CD14, Car14, CEG07, Cav93, CS76, CGM17, CSSE21]. **virtual**
[CCL+17, CCL+20, CLL+23, CBLFD12, CH08, CRB12, CK06a, CK06e, CFRSSR19, Cof99, CGV10, dCCDFdO15, CWdO+06, CLDA07, CLL+13, CD01, DPW+09, DSR23, DDS+94, DS19, DSC+08, DP11, DM93, DC15, DEG+17, DBC+00, DQLW15, DLH+20, Don87, DHD20, DXM+17, DSZ11, DCMW17, DS22, DCA17, EB20, EGD03, EYG21, EGKP02, EG03, Ert05, EL98, EMS15, FCD09, FGZC23, FLL+13, FZS+20, FS19, FM90, FA21, FBZS12, FSFP19, FMIF18, Fit14, FHL+96, FGLI15, FF96, FLM+08, FCG+05, Fre05, FX06, Fu10, GP13, GGQ+13, GTGB14, GI12, GVI13, GH20, GSKJ18, GJK+20, Gol73a, Gol74, GCARPC+01, GAHL00, GPW03, GR80, GBCW00, GLQ+13, GKJ+19, GLW23, GLV+10, GA18, HKS19, HM18, Hal09, HMH17, HZL+18, HJ10, HKN22, HN08, HKB19, HZZ+14, HTB19, HUL06, HH18, HH19, HAK22, HDG09, HcC14, HPHS04, Hol95]. **virtual**
[HLBZ20, HSC15, Hui18, HPS23, IBM94, IBM96, IRB19, IKU15, IMBB20, JSK+13, JK15, JES+15, JKK+13, JNR12, JWH+15, JC18, JGW+11, JDW+14, JGSE13, JYOB18, JADAD06b, dCJR16, Kal97, KOY05, KDK20, KBDK22, KB21, KSSG16, KS20a, KSO+15, KRCH14, KS18a, KS18b, KTB17, KK21, KBB11, KCS14, KJLY15, KCKC15, KKC+16, KNHH18, KKK+18, KMG+18, KFF12, KHA22, KF18, KSS+18, Kou11, KCV11, KBC21, KR16, LBP+07, LMJ07, LBZ+11, LC02, LM99, LC14, LZC+16, LBL16, LYYY18, LLF+18, LLWW18, LFHQ19, LXRS19, LLZ+19, LZLY20, Lia05, LJL12, LQW+12, LF19, LC13, LL14, LTZ+14, LPZ+22, LWCZ22, LCL+23a, LCL+23b, LMDP19, Lot91, LSS04, LG93, LFHS23, LQD+18, LY23, MSG+12, MR23, MD73, MD74, MSG01, MNB24, DPBK16, Man15b, MS17, Man18, MRM06, MBM09, MNA16, MS00, Mat09, MK19, MK23, MN03, MC93, McM11, MG13].
**virtual** [MRG17, MN91, MMTM22, MST+05, hTMAC+08, MHM19, MPM+20, EYGS19, MAK07, NZH20, NNK21, NK22, NK10, NOK+85, NAR19, NOR15, NV05, NIA18, OG16, Oi08, OMB+15, ORPS09, PKS+19, PFH+16, PEL11, PSBG11b, PMC05, PM19a, PDM20, PFPJ18, PBYH+08, PJZ+19, PCB+18, Piz17, Pon19, PRS16, PV08, Pul91, PS23, uRQS20, RK16, RKT20, RH17, RHR20, RHR02, Raj79, RG19, RWC21, RT18, RZ14, Req03, RK18, RFBLO01, RJK+17, RGS+20, Rus08, SZKY21, SBI21, SJB14, SS13, SENS16, SBBP20, SHR19a, SHR19b, SNV10, Sch13b, SSMGD10, SEM+20, SHLJ13, SSN12, SM23a, She91, SJJ+12, SJW+13, SWH+13, SASG13, SLC20, SSEA18, SS19, SL00, SS22, SGGB99, SGGB00, SKC73, Smi97, SYMA17, SJL20, SSL+13, SPAK18, SMA+10, Spi06, SOKE23, Ste14, SSU+12, Str13, Str05, SZL+14, SK13c, SLA+16]. **virtual**
[SHTE11, Syr07, TZK17, THH+14, TMLL14, TDD20, TSR19, Tay76, TK20, tTR82, TGCF08, THG+18, TIIN09, TMMVL12, TB14, TDG+06, Tsa14, TtLcC13, Tur84, Vac06, Van98, VT14, Ven96, Ven97b, Ven97c, Ven97d, Ven99b, VED07, VVB13, VWT13, VGL23, VDO14, WGF11, WKT08, WRX11, WZV+13, WQG15, WKJ15, WHC16, WCY+17, WXZ+17, WSX+19,

WBW+19, WZZ+20, WGY20, WR07, WDT18, Web10, WK08, WLG+11, WHW20, WH08, WCS06, WLL+13, WW77, WSVY09, WRSvdM11, WRS+15, WCG21, WCZ+23, XNH21, XCJ+14, XHW+19, XHCL15, XJWW15, XZZ+16, XWX+17, XYYY17, XTB17, XLQL18, XLWZ18, XJW+18, XZK+20, XA22, XXWG23, YC98b, YME05, YZW+13, YLH14, YLHJ14, YPLZ17, YCL+18, YW20, YGLY21, YBZ+15, YYC+19, YWH+23, YLK+10, Yel99, YWF09, YSM+21, YLJ22, YC16, YRJ18, YMY17, YGN+06, YWGH13, YQZ14, YQZ19, YTY00, ZG13, ZXW16, ZWKX17, ZYZ+18, ZBG+05]. **virtual** [ZLZ15, ZLH+15, ZWHC17, ZHHC17, ZFY18, ZWC+19, ZLZ+19a, ZJRW19, ZBP05, ZBP07, ZWL09, ZLW+19a, ZFL+23, ZL13, ZLLL13, ZWH+17, ZLCZ18, ZSRR22, ZWC+14, dSOK17, AGIS94, BPB86, CBJ22, Cza00, Fuj91, GKP+19, GHM+18, KM13a, KM13b, McC74, Mon97, PEC+14, Ros99, TSN+23, VED06, Wel02]. **virtual-machine** [HUL06, HPHS04]. **Virtual-Machine-Based** [JN15]. **virtual-time** [She91]. **Virtualbox** [Deu08, Bec09]. **Virtualisation** [Ska07, Apr09, Rob12, SDN09]. **virtualise** [DJP+24]. **virtualised** [MPF+06]. **virtualisierte** [Mar08, Kar07]. **Virtualisierung** [Spr06, Spr07]. **Virtualisierungs** [Tho08]. **Virtualisierungs-Buch** [Tho08]. **Virtualisierungslösung** [See08a]. **Virtualisierungslösungen** [PO09]. **Virtualisierungssoftware** [Zim05]. **Virtualisierungssystemen** [Deu08]. **Virtualities** [Den01]. **Virtualizable** [GG72, HH13, PG74, PG73]. **Virtualization** [AFG+17, AJM+06, AP22, AAJD+16, AVNR19, ASL+20, AAT+22, Aln22, AAMBE21, ADWM18, APST05, Ano03b, AvMT11, Bac11, BE17, BLMP22, BJG19, Ble10, BHEP14, BDR+12, CZL08, CLS07, CGS06, CEPR22, CFB24, CHW12, CXLX15, CWH+16, CMK+16, CQLL18, CD12, CDD13, cCWS14, CLŁS12, Chu06, Coh10, Cre09, Cre10b, CGW07, DPCL22, DLLN18, DMS02, DW14, DPCA11, DLM+06, Don06, DMG+15, DK23, DY17, ECET18, EMAL17, ELC+19, FPR+06, Fer11, FDF05, FRD+08, FLZ17, Gal09a, Gal11, GHS17, GW07, GCL+21, Got07, GG11, HD16, HWF07, HTAY21, Her06, HN10, HHC+16, HSN17a, HSN17b, HDM08, HSL17, HB12, HW12, JAD19, JYM+23, JW17, KHW+16, KLY20, KS08a, KSVR23, KMM13, KR18, KS08b, KKS+19, KGS16, Kot10, Kot11, KC12, KLR+20, KLK+22, LH16, LWC+17, LXL+22, LLW+16, LRZ16, LZW+17, LYGG20, LCFL12, LDDT12, MZD+18, MDZ+21]. **Virtualization** [MCC18, MA10, MCZ06, MUKX06, MA17, MGL+17, MTJ+22, MWHH05, NTR18, NSL+06, NKK+06, NsP16, OVI+12, PZW+07, PHL+12, Pap20, PDL+23, PM19b, PZH13, PYYG21, PYDG22, PvDS08, PNT12, PST+15a, QCM+24, QNC07, QTR21, RC18, RSW+06, RCM+12, R+06, RTL+18, RZPX19, RKRK17, RWX+12, RR09, SMP22, SVM+23, SADP21, Sed07, SM06, SN23, SGB+16, SYB12, SABL20, SAT09, SIJPP11, SYC14, SWF16, Spr07, Sta07, SKYK16, Swa06, TDMP23, THLK10, TF16, Tre05, UNR+05, Uhl06, UVL+13, VN06, VN08, WBB+16, WDCL08, WWH+16, WZT19, WC01, WG07, WHD+16, WH05, WLW+17, WZL+23, XH16, XYD+18, XML+18, YLT+23, YSS+17, ZDS+22, ZZG+23, ZSXZ07, ZQCZ16, ZYH+19,

ZSP+21, ZZW+21, ZZF06, ZAI+16, ZXY+15, ZLW+19b, ZKWH17, dGG+17, vMAT14, vdK09, AA06, AKK+07, AAF+09, A+04, AH12, AMIA19, ALW15].
**virtualization**
[AJD09, Ano14c, Ano15, AKCP21, Apr09, AAB+05c, AEB19, ABB+19b, AA18, ABB+15, BDF+03, BBD+10, BSL+18, BRIdM10, BKR20, B+05, BB08, Bor07, BH13, BC10, BTLNBF+15b, BTLNBF+15a, BSMF08, B+07, CPM+18, CSSS11, CMGI+23, CMG+19, CBER09, CDM+10, CFG+13, CWH+14, CL15, CCZ+06, CCMY07, CGL+08a, CGL+08b, CGL+08c, CLM+22, CB10, CMM+06a, CMM+06b, CMM+06c, Cia07, Cla05, CBFH20, CM18, CKT08, Cre08a, Cre08b, Cre10a, CB07, DLL+16, DBO+18, DYL+12, DCP+12, DS09b, Dre08, EBLM22, EdPG+10, ECAE13, FFBG08, FP14, FJKK17, FLCB10, FS08, Fro13, FK13, FSH+13, GMK17, GLA+08, G+06, G+05, GTN+06, GAH+12, GKT17, HLW+10, Hal08, Han16, HIIG16, HHSG18, HPcC04, HC12, IIK+06, ISE08, IMK+13, IPRS21, J+05, JM08, JXZ+10, JCZZ13, Kao17, KVV09, KSRL10, KKB14, Kip21, KWZ+19, KL13, KS20b, Kro09].
**virtualization**
[LPD+11, LD11, LUL+05, LLLE17, LLW+12, LZWC13, LLY+18, LLX+17, LJYZ15, LQW+12, LCL14, LWL16, LRP+19, LLS14, LP11, LDL+08, MG19, MB21, MRM06, MSI+12, MDD+08, MIS+05, MBA+12, MPA+18, MBBS13, Mly09, Mon22, MMG+18, MR06, MHS21, NTH+17, NRdA+20, NB11, P+08, PG11, PBB13, PMP23, PFNC20, PST15b, QZDJ16, RSC+15, RS16, RQD+17, Rix08, RSLAGCLB16, Ros06, Rou07, Sam22, SVN+10, SJRS+13, SWcCM12, SM23b, SIRP17, SPF+07, SHB19, SWW+18, SAB+07, SWC08, SWL+23, SL12, TDG+18, TZB19, TMJ+21, TSCB19, TLBW12, VW08, VSC+10, VOS12, WR12, WZW+11, WCC+16a, WCC16c, WCS09, WJGA12, WHSE15, WYZAD20, XKY+11, XZ11, YKS16, YJZY12, YTS14, YLH14, YLWH14, YCL+18, YCL+19, YLTF20, YXL+20, Yu20, ZEdlP13, ZSR+05, ZSW+06, ZLZ13, vCPWvT11, vD06, vH08, Gua14, BCZ19, MCJ19, VSMC23, YWL+18].
**Virtualization-Aware** [LXL+22]. **Virtualization-Based**
[CDD13, KLR+20, RZPX19, AAJD+16, DPCA11, MCC18, WDCL08, CGL+08a, CGL+08b, CGL+08c, LLX+17, QZDJ16, TSCB19].
**virtualization-driven** [CSSS11]. **Virtualized**
[AMA18, ASMA21, BB17, EGR15, GKXK13, GLBJ18, HO22, HBL+10, HLPY16, HCB18, KHW+16, KKH14, LZ15, LGJZ16, MT16, MT17, MSC+21, NBB+19, NKY+18, NSC+22, PWJ16, PLZ20, RGSJ17, SB16, SL16, SDD+16, WIS+15, WKC+09, WLMD16, WTM18, XWW+21, YVCB17, YVCB18, YWW+15, YWCF15, ARA18, ARA20b, ARA20a, AJH12, ATS14, ACG18, ASB18, BGS13, BSD19, BKT+19, BSOK+20, BSSM08, CP17a, CP17b, DS18, EBJ17, GPS+18, GGK19, HOKO14, HL13, JK17, KW13, KSRL10, KRG+12, LKR+19, LWM14, LC13, MNT14, MAK18, NBS18, NS07, NMC18b, NMC18a, PSZ+07, PC21, PSC+07, QXH18, RAP19, RHZ+17, SBNU18, SG10b, TRG13, WWWL13, WB16, WTLS+09, WTL+16, YLJ22, ZGL+17, ZWC+14, YJZ+21].
**Virtualizing** [BTMS10, Sar16, SB10, SVL01, WRS13]. **VirtualKnotter**
[ZWC+14]. **Virtually** [Say67, Spi06, WL96, Tre05]. **VirtualPower** [NS07].

**virtuelle** [WF03, WR07, WR08, Zim05, Zim06]. **virtuellen** [CK06a, CK06e, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06l, CK06n, CK06o, CK06p, CK06q, CK06t, CK06r, CK06s]. **Virtuelles** [AH68, Han73]. **Virtuoso** [DGLZ+11]. **VIRTUS** [IIK+06]. **Vision** [Arm78, SCC+23]. **Visual** [Fra06, Fra09, MC98, Wil06, Hee07, Hog06, Hog08]. **Visualization** [Nel04]. **Visualize** [BA23]. **Visualizing** [WT91]. **VLISP** [Ram93]. **VLSI** [IN87]. **VM** [Ano01a, Ano04a, Ano04b, FAA17b, Ano03a, AB16, ABG14, Att79, Bar73, Bar78, BCW20, BN89, BT15, Boz89, Cal75, CBZ+16, CCW+20, Com82, CTP+17, DS20, ESY+17, FAA17a, FMJ15, Fis91, FGG14, FL13b, GH91a, G+06, GHD12, GPR23, HM20, HKM+18a, HKJ19, HXZ+16, HC12, HW15, IBM94, IYAK23, JFPL16, JFZL17, KN18, LPSS19, LYY+20, LBF12, LJZ12, LWLL10, MK22, MSS91, MLA83, MA19, NOK+85, NS17, Olb78, OJG91, P+08, PDM20, PG17, PG18, RAT17, RSNK17, RJS+18, STMV18, SSG+20, SHW+15, SM79, SM23b, SBK15, SNC91, SIdLB15, TB17, TUM18, TV18, Var91, Wal10, WBHN18, XCSM18, YZLQ14, YKM17, YJZ+21, YWR+14, ZFL15, ZWFX17, ZDLG17, ZLSI17, ZFL+23]. **VM-Agnostic** [IYAK23]. **VM-based** [ESY+17]. **VM-protected** [GHD12]. **VM-scaling** [AB16]. **VM-to-hypervisor** [NS17]. **VM/370** [Att79, Bar73, Bar78, Cal75, Com82, Olb78, SM79]. **VM/4** [NOK+85]. **VM/application** [LBF12]. **VM/ESA** [Fis91, IBM94, MSS91, OJG91, SNC91]. **VM/Pass** [MLA83]. **VM/Pass-Through** [MLA83]. **VM/XA** [BN89, Boz89, IBM94]. **VMBackup** [ZXW16]. **vmBBProfiler** [TZK17]. **VMbuddies** [LH15]. **VMDFS** [SSEA18]. **Vmgen** [EGKP02]. **VMI** [LLF+18]. **VMIFresh** [DSR23]. **Vmknoppix** [Deu08]. **VMM** [AD18a, ALL06, Car14, DQR+13, DLX+17, KZB+90, LD11, LHAP06, OLZ16, RQD+17, SM90, TUM18]. **VMM-based** [ALL06]. **VMM-Bypass** [LHAP06]. **VMM-to-guest** [LD11]. **VMMB** [MKKE12]. **VMOR** [MSI18]. **vmOS** [LLX+17]. **VMP** [JNR12, PAC+22]. **VMPlanner** [FLL+13]. **VMPlants** [KGZ+04]. **VMPP** [Loy92, LG93]. **VMs** [KMT14, KKJ+13, PLMA18, RJK16, SEPV19, VS19, ZB18]. **VMScatter** [CLL+13]. **VMSI** [ZTWM17]. **VMThunder** [ZLW+14]. **VMWare** [Joo06, CK06f, Ham07, Khn09, KGG00, Tho08, Zim05, Zim06, Bas04, Bas06, War05, Wil01, AAH+03, Ano03a, Ano03b, Ano07, BBD+10, Bau06c, Bor01, BDR+12, CK06f, Com00, Com03, DS09b, D+04, Gal09b, GKBB15, Hal08, Hal09, Her10, HMS17, IIPB09, Kis08, KMK10, Lav10, Low08, Low09, Low11, LMG+14, MRM06, MBM09, McC08, MWHH05, MJW+06, Ng01a, Ng01b, NL00, OH05, PPS+18, Ros99, Rul07, R+02, See10, SIK+16, SVL01, Ten17, TH10, Wal02, Wal99, War02, WF03, War11, Zim05, Zim06, B+07]. **VNC** [RSLAGCLB16]. **VNE** [WBW+19]. **VNE-TD** [WBW+19]. **VNET6** [GLQ+13]. **VNF** [BMJ+22, LKIL19, LW20, SJ21, XZL+20, ZJRW19, ZLZ21a]. **VoIP** [Mon22]. **Vol.II** [Shr89]. **Volatile** [AMH+16, HN08, WZL+18]. **Volatility** [WZL+18].

**voltage** [TDG+18, AMAB17]. **Volume** [AvMT11]. **Vorstellung** [CK06b, CK06e, CK06c, CK06d, CK06g, CK06f, CK06k, CK06m, CK06l, CK06n, CK06o, CK06q, CK06t, CK06r, CK06s]. **VPC** [KJM+07]. **VPFS** [WH08]. **VPN** [MSI+12]. **VR** [GWZ16]. **VR-Cluster** [GWZ16]. **vs** [Gal09b, Mad69, WKJ17]. **VSA** [SHLJ13]. **vSAN** [FKZ17]. **VSched** [LD05]. **vSDN** [ZWZ20]. **vSFC** [ZLZ+21b]. **Vshadow** [WLW+17]. **VSim** [RPE12]. **vSphere** [Gal09b, Lav10, Low09, LMG+14, Fit14, Hal09]. **vSphere5** [Low11]. **VSwapper** [ATS14]. **vSwitch** [TSP17]. **vulnerabilities** [RY10, YSM+21]. **Vulnerability** [CRZH15, Ano99a, JKDC05, PM19a, PMP23]. **vulnerability-based** [PMP23]. **vulnerability-specific** [JKDC05]. **Vulnerable** [JSHM15, JAS+15].

**W** [ALW15]. **W-SDNs** [ALW15]. **WA** [ACM05c, LCK11]. **Wale** [DSS19]. **walks** [AJH12, BSSM08]. **WAN** [KKK+18, TDG+06, WLG+11, WRSvdM11, WRS+15, ZFY18]. **WAPPEN** [Kag09]. **warmup** [BBTK+17]. **Washington** [ACM06b, Ost94]. **Watches** [BDG18]. **Watchmen** [BDG18]. **wavelength** [AM16]. **wavelength-routed** [AM16]. **Way** [FLZ+20, Ble10, Com00, WGF11]. **WBATimeNet** [MK22]. **weak** [RO16]. **web** [BTLNBF+15a, YSM+21, Ano96, CVWL13, DF96, FF96, Kag09, LGJZ16, SJJ+12, SDD+16, VP16, WDCL08, YML+18]. **web-based** [YSM+21, CVWL13, Kag09]. **Web/Java** [FF96, Ano96]. **Web/Java-based** [FF96, Ano96]. **Weight** [WWL+17a, HB08, YGN+06]. **Weir** [BMER14]. **Welfare** [ZHW+17, LWLL16]. **Well** [WC01]. **Well-Conditioned** [WC01]. **Werkzeugen** [KGG00]. **Which** [MS17, War80]. **Whispers** [WXW15]. **White** [LKL+19]. **Who** [BDG18, LS15]. **whole** [BBM09]. **whose** [BBS06]. **wichtigsten** [CK06b]. **Wide** [BFG+14, DF96, HS19]. **Wide-Area** [BFG+14]. **wie** [Deu08]. **WiFi** [XKY+11]. **Wild** [Cox10, STS+13]. **Win** [War11]. **Win4Lin** [Ng01b, Ng01a]. **WinCE** [Kal97]. **Windows** [Bod10, Bor01, Joo09, Lar09, Sch94b, Sch94a, WF03, Apr09, Bod10, Car06, CK06a, CK06i, CK06h, CK06p, GMR93, KSS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, Nou92, Sal92, YGN+06, Zyt94a, Zyt94b]. **WINRar** [Joo06]. **wired** [XKY+11]. **Wireless** [ACM06c, AFG+17, ALW15, AAT+22, BSI+15, HLP+16, KKTM17, SIJPP11, YMY17, DCA17, FK13, HLW+10, WYZAD20, XKY+11, XJW+18]. **Wirth** [BGP00]. **Wise** [SEPV19]. **Within** [RD90, BTLNBF+15a, YJZ+21]. **without** [CD01, KSRL10, SUH86]. **WLAN** [KKTM17]. **Wolves** [DLX+17]. **WOMP** [M+06]. **Work** [HMS17, PWJ16, DMH18, KHL17]. **Work-Stealing** [PWJ16]. **worked** [Cox12]. **Workers** [VP16]. **Workflow** [MB20, GAHL00, HKS19, KCKC15, RWC21, WKT08, WCG21]. **Workflows** [AD18b, RB17, dCCDFdO15, EB20, FGG14, MPM+20, QXH18, WB16, XYYY17]. **Working** [NKY+18, ZDLG17, G+88]. **Working-Set** [ZDLG17]. **Workload** [IEE02, IEE03, MA19, NASD21, PYYG21, SSB+16, YWW+15, ZWFX17, ZFH+22, EBJ17, KCV11, SS13, SSN12, SLC20]. **Workload-Aware** [PYYG21, ZWFX17, EBJ17, SSN12]. **Workloads**

[BB17, DS09a, GTGB14, IPRS21, LFHQ19, LL14, MK23, SMSH18, SMA+10, SWC08, VVB13]. **Workshop** [ACM98, RM03, ACM05b, IEE01, IEE02, IEE03, IEE04, Mat10, Tho93, ACM01a, ACM04a, ACM06c]. **workshops** [M+06]. **Workstation** [Bau06c, Bor01, BDR+12, WF03, War05, SSN94, War02, SVL01]. **World** [AAR22, Ben21, DF96, GHH+93, WLW+17, BBM09, STS+13]. **World-Wide** [DF96]. **worlds** [AJD09, LUL+05]. **Worm** [CLW+14]. **Worst** [HWB03]. **Worst-Case** [HWB03]. **Write** [ZCJ+21, LFHQ19, LXRS19]. **write-intensive** [LFHQ19]. **Writes** [ZLL+20]. **Writing** [Wes98]. **written** [MSG01]. **WWC** [IEE03, IEE02]. **WWC-5** [IEE02]. **WWC-6** [IEE03].

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