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 [XDL15].
HV^2M [CBZ+16]. _n [WZKP19]. _w [Arv02]. _II [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
[Fe11].
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, VSC10, YCL18]. 10-0 [Bau06b]. 10GE [HB12].
11 [IBM76a, IBM76a]. 16th [BW03, Ano93]. 17th [Ano10]. 180x86
[IEE93a, IEE93b, JPTE94]. 19th [ACM03b, SS05]. 1st [ACM06c, Ano01a].

2 [Bri98, Com00, Com03, Kis08]. 2-Level [ZSR+05]. 2.0
[Fra06, Ng01a, SUN97]. 2000 [ACM90]. 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
21st [IEE05]. 23272 [Int05b]. 26th [ACM99]. 29-state [Sig89]. 2nd [Ano02].

3 [McC08, PO09, vdK09]. 3.0 [MRGB01]. 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, ObL78, SM79]. 37th [ACM06d]. 390 [DBC+00].
3rd [ACM05b, ACM06c, 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, LM+14]. 5G
[CM18, HCB18, RNA+22, XWW+21]. 5L [Mly09].

60 [SP83]. 6000 [ABDD+91]. 64 [De 06, Don06]. 64-bit [VED06, VED07].
67 [Bar73, Par72]. 6th [USE01b].

7 [HH08]. 7th [Tho93].

8 [LYBB14, She02]. 80 [BMW86, 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].
Algorithm-Dependent [BP99]. Algorithms [ARAAA19, FGLI15, HHK94, KP99, LPSS19, Man15a, SHW+15, AB16, BB12, CRB12, HH19, Man18, ME87, MJ93, SGS92, WHW20, XTB17, YTS14].

aligned [AGIS94]. Alignment [EDS+15]. allocate [LLF+18]. allocating [MMTM22, XHW+19]. Allocation [CWL12, CPST14, Do11, GLBJ18, HKLM17, HLPY16, KRS+17, LLZ18, Man15a, NMG15, PCC+16, SDM21, VTW16, XSC13, ZWFX17, ZLG+20, CPST15, dCCDFdO15, DEG+17, EdPG+10, GLLJ16, HMM17, HH19, JWH+15, JC18, KDK20, KS20a, KS18a, LJYZ15, Myo9, RNA+22, RCTY19, SGG13, 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]. 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, BBM09, BMER14, CBFH20, DD20, EBJ17, EMS15, FX06, GP13, GPW03, KSS+20, KS20a, LTZ+14, MD73, MD74, MSG01, PFCN20, RR17, RGS+20, SM11, TLX17, Wiu13, 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, IEEE85, IEEE05, MS91b, Shr89, USE00a, USE01a, USE06, ACM06a], anomalies [FRM+15], anomaly [Hui18, MW18, SIK+16]. Anonymisation [VV18], Ant [AAC18, PAC+22, AP18, FS19, GGQ+13]. 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 [LBFL12]. API [Ano14c]. APL [Ali91].
App [ZYH+19]. 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, JSDK+13, JCZZ13, JDJ+06, Kao09, Lia05, LBF12, LLS+08, MRGB91, SE12, SWCM12, SASG13, SL00, ZS01, ZBG+05]. Application-Aware [AJ18]. application-specific [ZS01]. Application-transparent [AW17]. Applications [Ano99b, Ano03a, BAL15, Boa90, DSM+18, DJS+17, DJS+19, FBL18, HHV+02, HSK17, HC17, HCB18, IE05, JW17, KKS+19, LGJZ16, LH15, NKK+06, Par71, PLMA18, Pf03, PY93, SS05, TR88, VP16, WLS+18, WZKP19, XZL+20, AS76, AIF91, AC16, AB16, ACT94, ABC+07, BD11, BPM+22, BSNB20, BTLNBF+15, BRS18, BOF17, BFS+18, DMI18, DBC+00, EMS15, 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, WCML08, WSX+19, YYC+19, ZBP05, ZNSL14]. Applicative [AS85a, Abr82, AS85b]. applied [MM92]. applying [CSSE21]. Approach [ARAAA19, BC19, BFG+14, BRX13, CFM17, CLW+14, Cox09, DPCA11, DM75, EMAL17, Fei68, FFS+02, FML+22, Jen79, JQWG15, KC16, KAHS+3, Mad69, MP16, MSC+21, NSJ12, SDD+16, VN06, WJ10, WVT+17, XD17, ZTWM17, ADWM18, BML+13, BHvR05, CGL+08a, CGL+08b, CGL+08c, CBZ+16, GKP+19, GLL16, HLBZ20, KW13, KKB14, KF18, LH13, LU04, MD73, MD74, MAK18, MA21, NZH20, PSC+07, PJZ+19, Pon19, RWC21, SENS16, SHR19a, SHR19b, SEVP19, TSK17, TSK19, XHCL15]. Approaches [BAL15, FMIF18, HM20, JK15, EYGS19, TIIN09]. Appropriate [ZRS+16]. 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, RV1+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, IE85, KZB+90, KEE77, LW73, LMG00, LMG01, LGR14, MSL+15, PCC+16, PK75a, RC18, Rev11, SJV+05, SADP21, SSB03, SN05a, SIA+17, SWF16, Sun99, TR88, TV12, Tur92, Uhl06, WIS+15, Yon73, ZL18b, ZZW+21, ZGW+06, Ano94, Ber86, BR01, BNS18, CCL+17, CLDA07, DSB09, FS19, FC98, GDSA+17, GCARP+01, HIIG16, HOG02, HMS04, IBM88, IJK+06, Jon85, KW80, KNH18, LLW+12, LL14, MM122, MSO1, MJ93, NOK+85, OJG91, RFBO01, Ros06, SJPP11, SG09, SDN09, Wel02, YTS14, YYP01, Yu02]. 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, EMM3,
KMG+18, NBS18, PNM+20, PG73, Skr01, YZW+13, ZP14. Architecture
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Arizona [IEO05]. ARM
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Aroma [Sur01]. Arquillian [Ame13]. Array [MBK+92, SV15]. arrays
dCJR16]. Arrivals [KMM13]. Arrives [Bai70]. Art
[BP00, SGB+16, AE19, BDF+03, BDC18, MDD+08]. Artificial
[MR91, TVO92, BCM90, IM93, KCV11, RK16]. arts [BB08]. ARVMEC
[XLL+20]. as-a-Service [ESY+17, HPHV17]. aspect [BADM06]. Aspects
[Hsu01, Kna93, PPT3, EF94]. assembler [GBO87]. Assembly
[BD01, SVB93, Ber86, Don88, Juo07]. Assembly-Language [SVB93].
assessment [PM19a]. assignment [AAM+16, KMT14, WZV+13]. Assist
[Hor73, Obi08]. Assisted [CCML12, JSHM15, JAS+15, PPG+17, RTL+18,
AJH12, AE19, GMK17, PDM20, ZYZ+18]. Assists [OLZ16]. Association
[Sof83]. Assurance [LJZ12, LLW+12]. Assuring [YDW18]. AST [ZLB14].
asymmetric [CBGM12, KJL14, KNHH18]. Asynchronous
[Cav93, LJJ+11, MM93, RZPX19, SM01, WZKP19, WN17, vLSM01].
Atlanta [USE86, USE00a]. ATMS [CWG00]. atomicity [HBSB14].
attached [Mon97]. Attack [DL19b, WILS17]. Attackers [CLSG07]. Attacks
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Attestation [ZL16, KBC21, VT14]. attribute [FS89, SS19]. Auction
[SZW+16, TVKB16, ZG13, JZH+15]. auction-based [ZG13]. Auctions
[ZHW+17]. Auditing [SM90]. aufsetzen [RHM08]. augments [Bri98].
August [RM03, IEE06a, IEE06b, IEE07, IEE09, MR91, Ost94, USE93,
USE00b, USE02]. Ausfalls [Mar98]. Austin [ACM75, IEE02, IEE03].
Australia [MR91]. Author [DM76]. Auto [TSCB19]. Auto-scaling
[TSCB19]. AutoBoT [VS19]. automata [NNK21, RGAT18, RT18, TLX17].
automata-based [RGAT18, RT18]. Automated
[AD18a, ACM05a, Ano03b, BSIS14, 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, WDC08].
Autonomous [SC17, NNK21]. autoscaler [MPM+20]. Autoscaling
[Kov19]. Autoselection [KKE19]. Autotuning [KKE19]. Availability
[RSG+20, AAF+19, Fu10, LDL+08, MDZ+21, MRC+13, NCM18b, NCM18a,
TUM18, YLH14]. Available [Ano03b, GI12, GVT13]. avatar [CKT08].
average [LDL14]. avionics [ABC+07]. Avoidance
[HS19, LYS+18, OG16, PC21]. Avoiding [BLRC94]. Award [War11].
Aware [AJ18, AAK18, BMS16, BL17, CWH+16, CGC16, CWL+15, CTP+17,
CYX+17, CHLY18, D11, EGR15, EVCL21, GCL+21, H17, HPP15, JJK+11,
JQWG15, K14, LMM18, LXL+22, Man16, MA21, PYYG21, PHC20, RG17,
SDD+16, TB17, XLL+14, XLJ16, XWX19, XZL+20, YLH17, ZWFX17,
ZCG+17, ZWL+18, dSDF16, ADA+19, AO16, AMAB17, ANH00, BSNB20,
CD14, CCL+20, DXM+17, DCMW17, EBJ17, FZS+20, FA21, Fu10, GLK+12,
GA18, HKS19, HZL+18, HH18, HH19, HLHZ20, HSC15, HC12, IRB19, IKU15, JNR12, JCI8, KN18, KC16, KB21, KK21, KBB11, KCS14, KR16, KLF+15, LYY+18, LYY+20, LWL16, LWCZ22, LQD+18, MMTM22, MHM19, MA19, PC21, PFPJ18, RRA+22, RKT20, RH17, RHZ+17, SSB+14a, SHR19a, SHR19b, SSN12, SGV12, SS22, SZL+14, SK13c, TDD20, WIS+15, WCC+16a, WDT18, XJC+14, XWW+21, XLW18, YRJ18, YQZ19, ZHCC17, ZWC+19].

aware [ZWH+17, ZSR12, JZY+22]. Awareness [ZHL16, LCL14]. Azure [Fab13, RHV17]. Azure-Based [RHV17].

B [Rq03]. B5500 [Ham76]. BA [KSS+20]. Back [KS08b]. backhaul [MCC18]. backpropagation [RWC21]. Backup [ACA16, KRS+17, ZXW16]. Backup-Sharing [ACA16]. bad [RY10]. Bag [VS19]. Bahamas [Ano99b]. Balanced [LLW+16, DS18, XZK+20]. Balancing [ARAA19, CGC16, CL16a, DY17, Gua14, HPP15, KK19, LW12, LYS+18, MKKE12, WWH+16, WTL+16, YWR+14, Bir94, GH20, KAZS14, TF16, Vac06, XH90, XT17, ZWL09]. Ballooning [LJL+15]. Baltimore [Ano93]. Band [ZSXX07, PBYH+08]. Bandwidth [ELC+19, KDK20, LSJF17, LWZ+18, YLH17, ZRS+16, BAC15, GLLJ16, LWZ+15, THH+14, WQG15, WXW15]. Bandwidths [LM18]. 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 [AAK18, Bad82, BAL15, BE17, CWL12, Cap21, CHW12, CLW+14, CD12, CDD13, DF96, ECET18, FD08, GG003, HKM+18b, HWHW18, JFPL16, JN15, KP15, KLR+20, KAZS14, LW11, LP14, LKL+19, LCT+15, LGZ+19, LW12, LZW+17, LTM+20, MJW+14, MTFF19, MGL+17, NAS21, NL19, OVI+12, PVS08, Ran02, RZPX19, RHV17, RWX+12, SJV+05, SXH+19, SDM21, SHZ+14, SK1+17, TV12, WB81, WLS+18, WTM18, YWR+14, YWW+15, YLN+17, ZQZC16, ZLL+20, ZXY+15, ZB20, vLSM01, AD18a, AB19a, AJAD+16, Ano96, Ano06a, AB16, ALL06, AMA+11, BD11, BLMP22, BL17, BSNB20, BY20, BNS18, CL17b, CJ22, CPM+18, CVWL13, CGL+08a, CGL+08b, CGL+08c, CWC+14, CBZ+16, CLeC13, CPST14, CPST15, CFRSSR19, CVG10, CRG16, DD20, DP11, DS18, DC15, DLH+20, DPCA11, EB20, ESY+17, FS89, FS19, FJM15, FLCB10, FF96, FL13b, GTGB14, GDA+17, GH20]. based [GR15, HM20, HJK19, HOK014, HWC16, JWH+15, JFZL17, KAG09, Kam13, KLY20, KS13, KS20a, KRCH14, KKB14, KDB16, KK21, KM13a, KM13b, KJ+07, KKJ+13, gKEY13, L1M07, L1B16, LYY+17, LYY+18, LXRS19, LLZ+19, LLX+17, LLX+08, LC13, LPZ+22, LWCZ22, LMDP19, MCC18, MPA+18, MW18, NZH20, NRdA+20, NS17, O05, O06, O08, PFH+16, PDM20, PGLG12, uRQS20, QZDJ16, RQAT18, RH17, RHR20, RG19, RT18, RAP19, RCTY19, SJ14, SS13, SENS16, SG10a, SEM+20, SGV13, SS19, SPF+07, SYC14, SXMX+18, SV17, SCFP00, ST07, TT96, THB22, TY14, TSCB19, VT14, Vog03, WKT08, WDC108, WXX+17, WBW+19, WGY20, WW77,
basic [A04], basierende [Deu08], Basis [Kar07], Batch [KMM13, LD05, SS13], bathymetry [MMG18], Bay [Ano10], Bayesian [LYYY17], BCPL [Abras0, WW77], BCPL-Slim [Abras0], Be [Cox07], beams [MC98], Beautiful [SG09], Bedienung [KGG00], beetle [BRS22], beginner [RR09, Wes98], behave [Voe86], Behavior [EG01, XWH16, ZDLG17, BSOK20, CL14, LWB15, Oi08, SEM20, Wol99], behavior-based [SEM20], behavioral [CL17b], Behind [Cra98], Belgium [ACM04a], Benchmark [DHPW01, WZT19, GPW03, SMSB11], Benchmarking [CGS06, RO16, AHK15, FLM08, KJ13, ZS01], benchmarks [LJN00], Benefit [HB14], Benefits [KWZ19, LS15, SIRP17, CM18], Berkeley [USE01c], Best [B07, BY20, GHS16, MS17, Sch13a], best-fit-decreasing [BY20], betreiben [RHM08], Betriebssystem [CK06a, CK06b, CK06c, CK06d, CK06g, CK06h, CK06j, CK06k, CK06m, CK06n, CK06o, CK06p, CK06q, CK06r, CK06s], Betriebssysteme [WR07, WR08], Better [B07, BY20, GHS16, MS17, Sch13a], best-fit-decreasing [BY20], Betriebssysteme [WR07, WR08], Best [B07, BY20, GHS16, MS17, Sch13a], best-fit-decreasing [BY20], Beyond [FPS02, ACM04a], Bias [Lee16], biased [ABDD91], Big [ECET18, GTS15, MSG14, WTM18, BOF17, DXM17, LMDP19], Billing [RB17], Bin [BB17, GR15, SXCL14, XDLS15], Binaries [PA21], Binary [BDG18, KLF15, WMUW19, ZFL15, dGG17, HLW13, JYW13, PGLG12, vKF13], BIND [See10], binding [KW13], biodata [Wun13], biogeography [ZLL16], biogeography-based [ZLL16], biology [Wun13], Biopolis [Ano06a], bird [Guy14], Birth [NOT17], bison [Kag09], bison/flex [Kag09], bit [VED06, VED07], Bitcoin [HB14], BizOps [FBL18], Black [NMMP15, VVB13, EB20, TJK17, WSVY09], black-box [TZE17, WSVY09], Blackboxes [KBK21], blackhat [Ska07], Blessing [Kot10, Kot11], Block [Sch94b, Sch94a, TLBW12, ZLL11, Zyt94a, Zyt94b, FFBG08, FLCB10, LLLE17, TKG89, WF07], block-device [FFBG08], block-level [FLCB10], block-paging [TKG89], Blockchain [CQLL18, DMIH18, XJR17], Blockchain-based [XJR17], Blocks [Lam75], blows [BBTK17], Blue [SSU12], BlueIO [JAD19], Blueprinting [NLPV12], board [CGV10], Bochs [Ano14b], bodies [AGIS94], Bolton [ACM03b], Book [Ano97a, Fro13, Lar09, Van98, B07, TC10, War02], books [Van98], boost [CBZ16], boosting [AC16, LKY17, PGLG12], Boot [NOT17, SB16, DO18], Bootstrapping [CBLFD12, Kam75], BOS [RP07], Boston [IEE85, USE01a, USE06], Both [ZHL16], Bottom [UOKT84], Bottom-up [UOKT84], bound [JGA88], boundary [SBQZ14], bounded [XLH13], Box [NMMP15, TZE17, VVB13, WSVY09, XHCL15, MNS14], 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, GKB15, 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]. 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, Niel2, RG19, SG10b, WH08]. Burstable [WUNK17]. Burstiness
Buying [YLN+17, ZLH+15]. buying-based [ZLH+15]. BYOD [DMG+15].
Bypass [LHAP06]. Bytecode [MO98, SEK+19]. bytecodes [SUH86].

C [Fra06, Fra09, Hee07, Hog06, Hog08, Wil06, BZ18, Blu02, CWG00, G
+01]. C# [G+01]. c-mean [ZB18]. C/C [Btu02]. 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]. Caching
[AMA18, ASMA21, KJL11, LGZ+19, MM93, LM99, XWX+17]. Calculations
[Bad87, Hol95]. Calculus [ABV12, Wat86, Wat87, WK90]. Calif [ACM01b].
California [ACM05a, Ano97a, IEE90a, IEE91, Tho93]. Call
[DEK+03, Lee16, PULO16, PVR14, SSB+14a]. Call-site [SSB+14a].
calling [HB13, SSB+14a]. calls [VMBM12]. Cambridge [USE93]. Can
[Cox07, GW07, THB06, Sig89]. Canada [ACM06f, So83]. CAOS [Sch86].
Cap [HC17]. Capabilities [TVO02, WZT19, Ame13, AAB+05c, Fit14].
Capability [ECET18]. Capable [Ot18, PST+15]. Capacity
[BB17, HM17, LYGG20, WUK+18]. capo [SMSB11]. Capturing
[HSK17, JKK+13]. Capture [SCFP00, Sur01]. Capture/Replay [SCFP00].
capturing [BKC+13]. Card [Siv04, SUN97, HM01, Req03, JCV99]. cards
[GLV99, TLB12]. carrier [FZS+20]. carry [Ame13]. carrying [FCG+05].
Cascade [YYL+15]. cascading [HLL13]. Case [GGG03, HBL+10, HWB03,
Ian14, PK75a, PS19b, GKK19, HHI16, MN03, RK18, Sig89, SIR17, 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+19]. 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, HKB19, HUWH14, IRB19, LZW+15, Man15b, MRM06, MBM09, NTH+17, RGS+20, TDD20, VOS12, WDCLO8, WZV+13, YPLZ17, YGLY21, YLJ22, ZLZ+19b, ZWH+17, Car13. **Centers**

[AJ18, AAAF21, AGC18, BB13, CL17a, CTP+17, EGR15, HTW+19, JFPL16, KMM13, LMM18, LVM16, Man15a, Man16, SB16, YLH17, YWW+15, ZHL16, dSdF16, ARA18, ARA20b, ARA20a, AD19, AGH+15b, AGH+15a, ATZP21, ATS16, AMAB17, BB12, CFRSSR19, DLH+20, FLL+13, GH20, GSKJ18, HM20, HTB19, HLBB20, IKU15, IPRS21, KDK20, KTB17, LZC+16, MAK18, MNHZ20, PC21, PVRR14, Pon19, uRQS20, RK16, RH17, RT18, RK18, RJK+17, RGS+20, SBI21, SHR19b, SBNU18, SS19, WCY+17, WHW20, WTLS+09, XLQL18, SHR19a]. centralized [Fis91].

centric [AAMBE21, PAKY16, SBBP20]. Certain [Han73, JHS12]. Certains [Han73]. Certified [Khn09, IIPB09]. CeU [SIR17].


clairvoyant [KS18b, ZLW+19a]. Class [LCWB+11, LB98, Pat12, SS17, Won97]. classes [Bor07, OKAM17, Skr01]. classical [SGS92]. Classification [VLZ16, CWC+14, YSM+21]. classification-based [CWC+14]. Cleancache [VTW16]. CLI [ECM01, ECM02, ECM05, ECM06, Int06b, Int06a, Fra06, Fra09, Hee07, Hog06, Hog08, Siv07, SNS03, Vog03, Wil06]. CLI-based [Vog03]. Client [RSW+06, DPW+09, HII16]. CLIP7 [Lau87]. clock [DCA+17]. 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, ELC+19, FBL18, GB19, GLS15, GSW+17, HMH17, HKLM17, HW12, JE12, JQWG15, JW17, KC16, KKE19,
Cloudscheduler [BCW20]. Cloudsim [OBSR16]. CloudSimSDN [SHB19].
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 [SH17, Bod88, FS89, GL+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, HSN17b, LV99, PCW+16, PS19a, TFltLcC15, 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 [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, WR07, WR08, ZR06,
Agr99, BR01, DG05, DTM+07, DCA17, FFB+00, GE85, GD08, Hog02, Jou85,
Juo07, KW80, LBP+07, ME87, MS01, Pou90, Scr06, Spi06, SS72,
Sus76, WO75, YAPA01, Yur02, Mon97, Osb01, War11]. Computers
[BP99, BKMM87, BS90, KD78, MSS+15, Say67, HP77, SGGB99, SGGB00].
Computing
[ACM98, ACM04b, ACM05b, ACM06e, Abr80, AAMBE21, AGC18, AD18b,
BCW20, BHEP14, CWL12, CPKL17, CFM17, DDS+94, DPCA11, Gei02,
GB19, HCB18, HW12, IEE96b, IEE04, IEE06a, IBBA20, KC16, KGZ+04,
KK19, LCK11, LW12, MSG14, MZ20, MO98, NLPV12, NSJ12, PCW+16,
PX+17, PLZ20, PS16, RCM+12, RSNK17, RSN+18, SCSL12, SZW+16,
SEF+06, SB18, TLC06, USE93, Vog03, WDL+20, WB81, WCC20, WTM18,
XS13, YLN+17, ZL18a, ZL16, ZZF06, ZAI+16, ZD18, ZB20, ADA+19, Ano96,
AMA+14, ARMMA18, AEB19, BB20, BS96, CD14, CDM+10, CCL+20,
DQR+13, DS18, DHD20, DCMW17, Fis91, FF96, Fro13, Fu10, GGQ+13,
GLA+08, HKS19, HKJ19, Hui18, JC18, JPTE94, dCJR16, KHL17, KSO+15,
LBZ+11, LLW+12, LZC+16, LCL14, LTZ+14, LP11, LPBB+18, MB21,
MNA16, MK19, McG72, McK11, MFT+19, MUKX06, M+06, MA21, MA17].
computing [M19, MMG+18, NRdA+20, NAR19, NIA18, PSZ+07, PM19a,
PDM20, QZDJ16, RNA+22, RKT20, RGAT18, RHR20, RWC21, RHZ+17,
RQD+17, Rob06, SSG+20, SB121, SEM+20, SJW+13, SAG13, SEA18,
SB10, SHB19, TMLL14, TMJ+21, WGY20, WH08, XTB17, XZW18, XA22,
YRJ18, ZLZ13, ZWHC17, ZLZ+19a, ZLY18, ZSR22]. con [SMSB11].
Concept [AH68, Mad69, SIJPP11]. Concepts
[PPTH72, Agr99, Don88, MS01]. Concerning [Ker15]. Concerns
[PM19b, VN08]. concolic [LLS+12]. Concurrency
[MD12, CFS+12, Sub11, UR15]. 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, So83, SS05, Shr89, USE99, USE00a, USE01a, USE01b, USE06,
ACM05c, ACM06e, IEE06b, JPTE94, USE85, USE86, ACM00, IEE85].
Configurable [WJGA12]. Configuration
[BRX13, Lar09, A04, FL13b, SMA10]. configure [Car14]. Configuring [AL05, Rul07].
Confirmation [MTFK19, OG16]. conflict [BLRC94]. Conflicts [KPHA20].
conformation [MFT19]. CoNFV [ZSP21]. 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
[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]. Consolidation
[AJ18, AAK18, BB13, DCM22, HW12, LVM16, MAK18, PZW+07, SBK15,
XCSM18, XLWX19, YWW+15, ARA18, ARA20b, ARA20a, AGH+15b,
ATS16, AMAB17, AP18, BB12, BB15, BJG19, BJ20, BR5+22, CD14,
CSSE21, DLH+20, DHD20, FAA17a, FAA17b, Fro13, GKJ+19, HM20,
HMH17, HZZ+14, HH19, HLBZ20, IRB19, JFZL17, gKEY13, KS20b, KCV11,
KR16, LZC+16, LBL16, LYYY17, LYYY18, LLWW18, LYY+20, LL14,
LWCZ22, LQD+18, LDRT12, Man15b, MA19, NZH20, NTH+17, PC21,
RT18, R+02, SENS16, SHR19a, SHR19b, SBU18, SS12, TDD20,
WCC+16a, YRJ18, ZLCZ18, ZSR+22]. consolidation-aware [WCC+16a].
constituent [HRH02]. Constrained [EGR15, LTE12, TV18]. Constraint
[LFBB94, DQLJW15, HH18, LYYY18]. constraint-based [LYYY18]. Constraints
[AD18b, BB13, FML+22, KKS12, LLZ+19, NZH20, SZ13]. Constructing
[DM93]. Construction [BJS73, XXX+17, YCL+18].
consumer [PAKY16]. consumer-centric [PAKY16]. Consumption
[DSM14, HKM+18b, MV16, FAA17a, FAA17b, FFB+00, KSS+20, DPB16,
RJK16, SMH18, THG+18, TUM18, VED07, VWT13]. Container
[EC13, SPF+07, YNY+17, ZTA+21, ZB20, ZLW18, CMG+19, GKP+19,
Ker15, MG19, SG10a, Str13]. Container-Based
[EC13, YNY+17, SPF+07]. Containerization [HSL17]. Containerized
[HSL17]. Containers [Kov19, Ran20, DSS19, DL19a, MK19, MFT+19,
Ros14, SMH18, SLC20, WGW+18]. Containment [CL+14]. Content
[CWH+16, FLZ17, LYS+18, M+21, GVI13, HKN22, LLF+18, LLWW18,
XJR+17]. Contention [JQWG15]. Contention-Aware [JQWG15].
contents [BTLNBF+15]. Context
[DMG+15, LCMV17, TMV12, ZL18a, vLSM01, HB13, SSB+14a, SM01].
Continuous [DL89, TSLBYF08]. Continuum [Bad87]. Contraction
[Par79]. Contribution [Han73, ABB+19b, Han73]. Control
[AGLM91, Att79, CFL19, CL16b, Com65, Cre65, DL19b, GGG18, HS19,
HHC+16, LZ15, LGJJ16, LXL+22, PSBG11a, RSNK17, RSN+18, Sch94b,
Sch94a, SDD+16, Sur01, WJ10, WUK+18, WN17, WSAJ13, WLCS17, Zytn4a,
Zyt94b, AS76, AMIA19, BKH+06, FP14, HB08, Kee68, Kis08, KKS12, Lia05,
oli78, 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]. Convolutional [EVC12].
Cookbook [Car13, Car14, G+06, P+08, TH10]. cooling [ARMMA18].
Cooperative [KJL11, RIP18, GLLJ16]. Coordinated
[BRX13, LZ15, CRB12, HH18, KKK+13, NS07, BBMA91, MSS91].
Coordinating [LH15, ZNSL14]. Coordination [AVB12, CRG16, Tho93].
COOTS [USE99]. Copley [USE01a]. Coprocessor [LRZ16]. Copy
[AGJS16, LSC+17, ZCJ+21, HDG09, LRS19]. Copy-on-Abundant-Write
[ZCJ+21]. copy-on-write [LRS19]. copying [PV08]. CORBA
[GCARPC+01]. Core [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, NMC18b, SHR19a]. Correspondence [BDJd02].
Cosmology [Nel04]. Cost
[AMA18, AMH+16, CZX+19, EVCL21, HKS19, HKM+18b, VS19, WDL+20,
XJW19, ZB20, ADA+19, Dre08, KJM+07, LBZ+11, MMTM22, NMC18b,
NMC18a, OMB+15, SJRS+13, WCY+17, YJR18, ZL15, ZLW+19a].
Cost-Aware [EVC12, YRJ18]. Cost-Effective [VS19, HKS19, MMTM22].
Cost-Efficient [AMA18, CZX+19, ZB20, OMB+15]. Cost-Performance
Counteracting [VT14]. Coupled [WN17]. Coupling [BJPS73]. course
[AL05, Don88]. courses [BBS06, GD08]. Cover [Arm89]. Coverage
[CSS+16]. Coverage-directed [CSS+16]. covert [XW15]. COVID
[Cap21]. COVID-19 [Cap21]. CP [Bar73, Com82, Par72]. CP-40 [Com82].
CP-67 [Bar73, Par72]. CPS [CCL+20]. CPU [ASB18, BSS14, GKI+19,
HB08, JGW+11, Kam13, LWC+17, Skr01, SK13c, VWT13, WGLL13, Ye20].
CPU-intensive [GKI+19]. CPUs [vSMK+20]. crash [KY16]. create
[Fit14]. creation [CK06b, CK06e]. Credit [KP15, KCS14]. Credit-Based
[WLM16, LWM14]. Crop [UBF+98, BDF+98]. Cross
[GAH10, GSS+18, JR02, JXL+12, SWF16, SKT+19, WIW+15, WCC16b,
WBHN18, AWR05, BKC+13, PKS+19, CWH+14]. Cross-Architectural

DADTA [ZLCZ18]. DAI [AKK+07]. Dalvik [YC16]. Damn [B+07]. Dana [Ano10]. Dancing [DLX+17]. Dark [Fer11]. Darling [MR91]. Dartmouth [Lee86]. Dartmouth-Smalltalk [Lee86]. Data [AJ18, AAAS21, AGC18, Att73, BFW75, BB13, BC19, CL17a, Cap21, CCG16, CTP+17, DY17, EGR15, ECET18, FLM+22, FL13a, GTS+15, HTW+19, IEE84b, JPFL16, KP15, LMM18, LVM16, Man15a, Man16, MM20, NCL0, PCC+16, SB16, UVL+13, WKL20, WN17, Wei94, WTM18, XWJX15, YLH17, YWW+15, ZHL16, dSDF16, vSKM+20, ARA18, ARA20b, ARA20a, AKK+07, AD19, AGH+15b, AGH+15a, ATZP21, ATS16, AMAB17, ARMA18, BK14, BB12, BE+03, BOF17, CKR17, CFS+12, Cla05, CFRR19, DH+20, DFM+17, DLL+13, GE85, GH91a, GH20, GSKJ18, HM20, HON0, HKHB19, HTB19, HLBZ20, HUWH14, IRB19, IKU15, IPRS21, JFZL17, KDK20, KTB17, KJ+16, KSL08, KB17, LDL14, LZW+15, LZY+16, LRP+19, LMDP19, Man15b, MAK18, MRMO6, MBM09, MM19, NZH20, NTH+17, PC21, PVR14, PRB07, Pon19, uRQS20, QXH18, RK16]. Data [RH17, RT18, RK18, RJK+17, RGS+20, SZY21, SB121, SHR19a, SHR19b, SBU18, She91, SSI9, TSLBY08, TDD20, VOS12, WKL17, WDCL08, WZ+13, WCY+17, WHW20, Wol99, WTLS+09, WCG14, XZZ13, XW+19, XLQ18, YPLZ17, YGLY21, YLJ22, ZLZ+19b, ZWH+17]. Data-control [XWH+19]. Data-flow [GE85]. Data-intensive [JFZL17, QXH+18, SZK21]. Data-Oriented [ECET18]. Data-parallel [She91]. DataABC [JFZL17]. Database [WK90, BBS06, CSSS11, ECAE13, MN91, MRC+13, PIM+15, SI81, SMA+10]. Databases [GDSA+17]. Datacenter [BBM+15, CFL19, KGGS17, BCP+08, GTGB14, MSG+12, SGI0b, ZLZ15, ZWC+14]. Datacenter-scale [MSG+12]. Datacenters [IBBA20, JWL+18, KGGS18, KL14, LGJZ16, LGJ+18, LCZ+19, LW20, SC17, SC18, GLJ16, KK21, LPBB+18, WRS13]. DataFlow [HT98]. Datapath [TSP17]. Dataplane [BPP+17]. DAVmS [MA21]. DBT
WB81, WIS+15, WVT+17, WLS+18, WN17, XWH+16, ZZF06, AC95, Ano96, AB16, AFT01, Bir94, 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.


BBM'15, CPS17, Cre10b, HCB18, HS21, LKIL19, LGZ'19, RSNK17, RSN'18, Sar16, WCC20, XLL+20, XZL+20, ZL+20, Cre10a, MB21, MPA+18, MA19, SHB19, TMJ'21, ZLZ'19a. **Edge-Cloud** [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** [KGG00, LYBB14]. **Effective** [UR15]. **Efficiency** [KGG00, LYBB14]. **Effective** [Sed07, WYZAD20]. **Editors** [FDF05, KS08b]. **EDSAC** [CK96]. **Education** [ACM06d, GPM21, AJD09, DG05, GLA+08, HMS04, DTW07]. **educational** [WDSW01, YMY17]. **Effective** [KGG00, LYBB14]. **Effective** [UR15]. **Efficiency** [KGG00, LYBB14]. **Effective** [Sed07, WYZAD20]. **Editors** [FDF05, KS08b].
BG20, BCC+15, CRB12, EM13, HKB19, HH18, JK15, KKM+13, NTH+17, OKAM17, SS19, SZL+14, TK20, WHC16, WBB+19, WZZ+20.

**Embeddings** [RS20]. **EMF** [WIDP12]. **Emphasis** [Cre65]. **EmuID**

[CJJ+22]. **emulate** [tTR82]. **emulated** [THC+14]. **emulating** [VdlFCC97].

**Emulation** [Ano03a, BKMM87, JN15, KKT17, 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** [XI17, TMJ+21]. **Enabled**

[LSZ+21, SB18, DMH18, HTB19, KS20a, SGV12, TUM18, VOS12]. **enabler**

[DPW+09]. **Enabling**

[HD16, HS21, KMK10, NOT+17, OVI+12, Spa19, TY14, WHD+16, LSS04].

**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, CML12, CP17a, DMR10, DQ1W15, Do11, DCMW17, EGR15, FMR+12, FLZ17, HTW+19, HKT+18b, IRB19, JJK+11, JFPL16, KC16, KSS+20, KB21, KDB16, KCS14, KL14, LMM18, LZC+16, LYY+18, LGJ+18, LYY+20, LWCZ22, MDZ+21, OBS16, PHC20, RK16, RH17, SBU18, SYMA17, SZL+14, TDD20, XLWX19, YLK+10, YRJ18, ZWC+19, ZHL16, AMAB17, ARMA18, BAC15, BB12, BB15, BRIM10, BJG19, BRS+22, CD14, CFRSSR19, DP11, DHD20, DMM+17, FAA+17a, FFA+17b, FBB+10, GLK+12, GNN+06, GJ1+19, HM20, HMM18, HLBZ20, JWH+15, JFZL17, JC18, KMT14, KT17, KR16, LXYZ15, DPBK16, MHH19, NTH+17, NBS18, DOL12, PVRR14, PTD+18, QX18, RHH20, RP07, RT18, RCTY19, SBI21, SENS16, SMSH18, SHR19a, SHR19b, THG+18, VW08, WDT18, WHW20, XHH21, XZK+20, YPLZ17, YW20, YLL22, ZLCZ18, ZYY18], **energy** [ZSR+22, RNA+22]. **Energy-Aware**

[AK18, Do11, EGR15, LMM18, PHC20, XLWX19, AAD+19, DCMW17, KC16, KB21, LYY+18, LWCZ22, RH17, SZL+14, ZWC+19, CD14, DMM+17, GLK+12, JC18, KCS14, MHH19, SHR19a, SHR19b, WDT18, ZSR22].

**Energy-Awareness** [ZHL16]. **Energy-credit** [KCS14]. **Energy-Efficiency**

[JFPL16, XHH21].

**Energy-Efficient** [DMR10, HTW+19, CP17a, LZC+16, LYY+20, SYMA17, YLK+10, BB15, BRIM10, HM20, HMM18, HLBZ20, JFZL17, NTH+17, NBS18, RHR20, RCTY19, SBI21, WHW20, YPLZ17].

**Energy-Oriented** [BWD+15]. **energy-performance** [XZK+20].

**energy-saving** [YLJ22]. **Enforcement** [LJFS17, NMMP15].

**Enforcing** [KC12, WZL15].

**Engine**

[WA10, GLV+09, MO98, VG20, GLV+10, J+05, MIS+05]. **Engineering**

[GP2M21, IEE84b, SDS+21, ACM01a, MG02, MPM+20, WZV+13].

**Enhance** [GLS15, MK19]. **enhanced** [SDN09]. **enhancements** [AKK+07]. **Enhancing** [CPKL17, GI12].

**ENIAC** [ZR06]. **Enlightened** [AGJS16]. **ensemble** [RGAT18]. **ensuring**

[Req03]. **Enterprise** [ADG+92, FPR+06, G+06, LVM16, BSNB20, Ha08, NS07, WH05, Ano3a, Gal11]. **enterprises** [GAHL00]. **enthiült** [Joo06].
ENTICE [GKP+19, HKM+18a]. Entities [ZLG+20]. Entity [LGZ+19]. Entrepreneur [War11]. Entropia [CCWY05]. Entropy [TV092]. Entropy-Driven [TV092]. EnTruVe [RNA+22]. enumeration [SSH17]. Environment [ACL72, BGM70, CL16b, GKS99, Gen86, GG03, HW93, IEE06a, J+05, JADAD06a, LWC+17, LW12, Mac79, RT93, TMV12, XSC13, XLL+20, ZD18, AAB+05b, BR+22, BH13, CLDA07, CWG00, DL19a, Don87, FCD09, FAA17a, GD08, GMR93, Hal09, HL13, JWH+15, JXZ+10, JADAD06b, KW13, KKK+18, KMG+18, LJY215, LPZ+22, McG72, MST+05, MW18, MPF+06, NKK21, NS17, PM19a, RGAT18, RG19, RAP19, TMLL14, TV18, Van06, WLL+13, XZZ+16, Yu20, ZBP05, ZLLL13, FAA17b]. Environments [ACM05d, ACM06f, AD18b, BB17, BE17, CWL12, CGMD19, GKXK13, HHW10, HKKW13, KKH14, KGZ+04, LH15, NKY+18, PWJ16, PLZ20, RIP18, RGSJ17, SV13, SKT+19, XLWX19, ZWFX17, ZZF06, AAB+05b, BRS+22, BH13, CLDA07, CWG00, DL19a, Don87, FCD09, FAA17a, GD08, GMR93, Hal09, HL13, JWH+15, JXZ+10, JADAD06b, KW13, KKK+18, KMG+18, LJY215, LPZ+22, McG72, MST+05, MW18, MPF+06, NKK21, NS17, PM19a, RGAT18, RG19, RAP19, TMLL14, TV18, Van06, WLL+13, XZZ+16, Yu20, ZBP05, ZLLL13, FAA17b]. 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 [WLC17]. Escapers [SXH+19]. eServer [R+02, G+05]. Espresso [WZL+18]. ESPRIT [RD90]. Essentials [SNS03, MBM09, VSC+10]. Estimation [DSM14, HSK17, KSSG16, NKY+18, OBSR16, LBL16, MPA+18, WVT13, WDT18]. ESX [AAH+03, D+04, MWWH05, OH05, R+02, Zim05, Hal08, MBM09, Wal02]. ESXi [GKBB15]. ET6 [Pul91]. ET6/1 [Pul91]. ETAS [IRB19]. Ethereum [Hir17]. Ethernet [YCL+18]. ETICA [ASMA21]. Eucalyptus [AMA+14]. European [ACM04a]. EUROTREN [Pul91]. Evaluating [Ben21, De 06, GLK+12, HH19, HW93, RCM+12, SMH18]. Evaluation [AD11, CFH+79, CFH+80, DA+12, HB12, KD78, MG19, PZW+07, SJA+17, SHB+03, SHTE11, TFtLeC15, VMBM12, ACM06c, ALW15, DSSP06, FSH+13, GES5, HTB19, JFZL17, dCJR16, Kao17, Kee68, MCC18, Man18, NMC18b, NMC18a, SLC20, TUM18, VW08, WKT08, WWH+17, YZW+13, Hin08]. evaluations [SJW+13]. Even [GBK+21]. Event [DLX+17, MV16, YP15]. Event-driven [DLX+17]. events [LC13]. Everything [NBB+19]. everywhere [Tre05]. Eviction [AGJS16]. Evictions [vSMK+20]. Evil [HCJ07]. Evolution [BG73a, HH79, Kim84, SLM89, SL16, AGS10, C01, GBCW00, Kro09, WDP12]. evolutionary [LKR+19, LWCZ22]. Evolutions [BAL15]. evolving [Ano96, FF96]. Exact [WHW20, EYG19]. examination [HN08]. Examining [NL00]. Examples [Gol71b]. exceeding [GHS16]. Excelsior [MLG+02]. exception [Sal92]. Exceptionization [YKM17]. exceptions [Ven97b]. exclusion [SGS92]. Executable [MP01]. Executables [LKL+19, AD18a]. executing [ACT94, Lot91]. Execution
[ACM05d, ACM06f, CGMD19, HWB03, KGZ+04, LWC+17, MM93, MO98, PY93, RT93, SV13, ZLSI17, vLSM01, AS76, AAB+05b, BSD19, BFC02, BDK+08, CLDA07, Fre05, GCARP+01, GK05, dCJR16, MMP+12, OJG91, SM01, TT93, TV18, ZL13]. Execution-Driven [PY93]. executions [KM13a, KM13b]. Exercise [Lee86]. Exhaustive [PM19b]. exist [HLW+13]. exitless [AGH+16]. exist [HLW+13]. exitless [AGH+16].

Experience
[San88, RM03, CARB10, CSLFD12, FDD+19, PBAM17, RSC+15, TCGF08]. Experiences [NV05, SCD90, Tsa14, CMP+07]. experiment [HA79].

Experimental
[Bro89, ACM06c, FSH+13, HL13, S72]. experimentation [ACG18].

Experience
[San88, RM03, CARB10, CSLFD12, FDD+19, PBAM17, RSC+15, TCGF08]. Experiences [NV05, SCD90, Tsa14, CMP+07]. experiment [HA79].

feather-weight [YGN+06]. feature [Bag76]. Features
[Gal11, MB21, MC74, Bau06b, Bau06a, IT86, LPZ+22]. features-based
[LPZ+22]. featuring [Wil06]. February [Ako10, USE01b]. federated
[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
[GD6A+17]. Fiber-based [GD6A+17]. Fidelity [KKT017]. Field
[BM6M+15, KNT02]. Fifth [ACM75, IE99b, USE99, IE04]. File
[AEMW+12, AvM11, Li14, SNC91, ZCJ+21, ZZF06, FFBG08, HC12,
Int06c, JXZ+10, SBQZ14, Vag10, WH08, WF07]. files [LLF+18]. filesystem
[ZYZ+18]. filing [HWH14]. film [SL00]. filtering [MG19]. FIMCE
[ZD18]. final [Pul91]. find [Fab13]. finding [Bod88]. Fine
[BSSS14, CHW12, CDD13, HSK17, JCCZ13, PG11, RB17, YGLY21, YSS+17,
KWZ+19, WJGA12]. FINE-GRAN [WJGA12].
Fine-Grained [BSSS14, CHW12, CDD13, HSK17, RB17, YSS+17, JCCZ13,
PG11, KWZ+19, YTS14, YSM+21]. Finite [SC17]. Finite-Markov [SC17].
Firefox [KTC16]. Firefox [Joo06]. Firewall [TMV12, DS18, JES+15].
firmware [ABB+15, MSCK92]. First
[ACM05d, IE84b, LCW6+11, MSN+14, ZR06, SS17, SHB+03]. First-Class
[LCW6+11, SS17]. Fit [NKY+18, BY20, LW12]. Fixed [Lam75, Bod88].
Flash [SYC14, Pat12]. Flash-based [SYC14]. flaws [An007]. flex [Kag09].
Flexibilities [LS15]. Flexibility [BS15, FPR+02]. Flexibilizing [BG20].
Flexible [AvM11, CGM19, KWZ+19, KS20b, LZW+17, LW12, vMAT14,
ACG18, CARB10, CCL+17, GCF08]. Flow [FML+22, WJ10, BSD19,
BK41, BH+06, FLL+13, GE85, RJK+17, TK20, YKS16]. Flows [CDD13].
Fluid [MB20]. Flux [ML18]. fly [URJ18]. focused [BDG18]. Fog
[NBS18, MMTM22, RNA+22]. fog-cloud [MMTM22]. folding
[CPST14, OI06]. Forecast [CWL12, TMLL14]. Forecasting
[PCW+16, CB22, KSS16]. Forensics [HN08, ZXY+15]. Foreshadow
[VM+19]. Formal
[BDJ+10, BN75, CH78, Dom08b, 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, RA83, GFH3a, GFH3b, WNL+83, DHPW01, GPW03]. Forward
[UH06, YK13]. found [An097]. foundation [OJG91].
Foundations [Hog08, HMS17]. Four [QNC07]. Fourth [An03b, MS91b].
Fourth-Generation [An03b]. FP [JFP016]. FP-ABC [JFP016]. FPGA
[GP13, QTR21]. Fragmentation [GW16, HKM+18a]. Frame [WH99].
Framework [DY17, GCL+21, GH91b, JXL+12, KCWH14, KAJW93,
LG+19, LWWL10, LWB13, MGL+17, PXG+17, PST+15, PLZ20, SZW+16,
SEK+19, TM12, WGW+18, XWH+16, YWH+21, ZFL15, ZWFX17, Ame13,
AC16, BB15, BDE+03, CD14, DS20, DLH+20, FPGK18, FMJ15, Fre05,
JSK+13, Kag09, Kao17, KKM+13, KJJ+16, LLL11, 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, JPT094]. **Francisco** [ACM06a, USE02]. **Free** [Ano03a, BRX13]. **FreeBSD** [McK04, MNN05, Sar01]. **FreeDOS** [WF03]. **French** [Apr09, AH68, Han73]. **frequency** [Kam13, SSEA18, AMAB17]. **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** [DS18]. **function-virtualized** [DS18]. **Functional** [ACM90, Dan86, DCG12, GMP89, Ame13, Wak99, Jou85]. **functionality** [MK19]. **Functions** [BYZZ20, BCZ19, DL89, KLLT18, MP16, NGRF19, TF16, DS19, FJKK17, HHS18, HH19, KWZ+19, LR+19, PJZ+19, PNC20, QZDJ16, TSCB19, YCL+19, ZGL+17, CB+22, GHM+18]. **fundamental** [BCZ19]. **funfte** [Muh75]. **funnel** [LMV12]. **Fusion** [Kis08]. **Future** [FLZ+20, GB19, Her06, IBBA20, KS08b, LCMV17, RG05, Sup04, Var91, 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** [HMM17]. **game** [FK13, GLLJ16, LWCZ22, NS17]. **games** [WKC+09]. **Gaming** [CZ+19, ZCZ16, CZX+19]. **Gap** [DGLZ+11, FL13a, GSW+17, ZLD15]. **gaps** [HUWH14]. **Garbage** [ADM08, DS16, GT+15, HPHV17, PBAM17, Sch13a, SHB+03, URJ18, BOF17, TSCB19, YCL+19, ZGL+17, CB+22, GHM+18]. **Gast** [WF03]. **Gast-Systeme** [WF03]. **Gateway** [CCO+05]. **Gateways** [DW14]. **gather** [Wol99]. **Gb** [YCL+18]. **GC** [HHPV15, SEPV19]. **GC-Wise** [SEP19]. **GCompris** [CK06, CK06r, CK06s, CK06q]. **GCTrees** [DS16]. **GDB** [MZH14]. **gehärten** [See08a]. **Geiger** [JADAD06b]. **Gelato** [Ano06a]. **Gene** [SU+12]. **Gene/P** [SU+12]. **General** [Cre65, GFB+92, XWH+16, BDE+03, LS00, SS72]. **General-Purpose** [GFB+92]. **Générateurs** [Han73]. **Generation** [Ano03a, AC98, BDF+99, CF00, GFH82, MZH14, PG74, EL98, IIK+06, LLS+12, PG73, RGS+20, SUs76, Web10]. **generational** [WK08]. **generations** [BOF17]. **Generator** [Han73, ABDD+91, EGK02]. **Generators** [Fra83, GFH83a, GFB+83, WNL+83]. **Generic** [MM94, ZLZ+21, BKT+19]. **generics** [Int06a]. **Genetic** [AAR22, MPM+20, PC21]. **Geo** [JWL+18, PHXL19, XLQ18].
Geo-Distributed [JWL+18, PHXL19, XQL18]. geographically [KTBJ17, ZBL18]. geometry [H095]. George [ACM03b]. Georgia [USE86, USE00a]. German [Joo09, Bec09, Bod10, CK06a, CK06b, CK06c, Fis09, Lar09, Sch13a, Spr07, WR07]. Germany [RM03, GHH+93, IEE01].

get [Ame13]. gets [Rou07]. Ghost [Arc07]. GI [Miih75]. Giants [FS12].

GiantVM [JZY+22]. GINI [MYM17]. 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

[DS99b, GJK17, HS17a, HSN17b, IPRS21, KLY20, LYGG20, MZD+18].

MTFK19, MNS+14, MGL+17, NRdA+20, NMS+14, PS19b, RSC+15, RS16.

SCSL12, SIRP17, SKYK16, TTH+19, XML+18, YLWH14, YCL+18, YML+18, YSS+17].

GPU-Assisted [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, YCSS13, KWZ+19, PG11, YTS+14, YSM+21].

grammar [FS89]. Grande [ACM01b, DHPW01, GPW03]. Grande/ISCOPE [ACM01b]. Granularity

[PSX+17, RBB19, LLS14, YGLY21]. Graph

[CFM17, CRG16, LKY+17, SYR07, YTS14]. graph-based [CRG16].

graphic [Wal76]. graphic-simulator [Ber86]. graphical [Bur02]. Graphics

[AN03b, JXL+12, VZL16, XML+18, ME87, Sus76]. Graphs

[Lee16, Bod88, PUL06]. gray [WSVY09]. gray-box [WSVY09]. Greedy

[MMG15]. Green [KL14, MZ20, LLW+12, LJJ12, WZV+13, XA22, YLHJ14].


Grenoble [ACM05b, JPT894]. Grid [ACM05b, IEE04, MFT+19, SEF+06, TLR06, ZZF06, vLSM01, Ro06, SJW+13, SGV12, ZBP05, AKK+07, COO+05, KGZ+04, LP14, WKT08, ZBP07]. Grid-Based [vLSM01].

GridGIS [M+06]. Grids [GPM21, CCWY05, MPA+18, GTN+06]. Group

[Bao90, Sop83, YLN+17, CKP78, KKK+18, ZLH+15]. Grouping [AAR22].

growth [LDL14]. GSX [Zim05]. GT [M+06]. Guarantee

[LZ15, CMG+19, MDZ+21]. Guaranteed [LZW+18, ZWL+18, KB21].

Guaranteeing [LZW+15, YWR+14, ZRS+16]. guarantees

[MSG01, ZHCB15]. Guest [CCML12, NOT+17, ABG14, FL13b, JZX+10, LD11, MSZ09, XCHL15, FDF05, KS08b]. Guest-Assisted [CCML12].

guest-OS [FL13b]. guest-transparent [JZX+10]. guests [JK17].

GUI

[PW03]. guidance [JSK+13]. Guide [Ame13, BBD+91, BS94, BS96, Gal90a, IBM72, IBM73, IBM76a, Ouk14, OH05, Chi08, IBM88, Int88, IBM94, KSS09, KS10, MDD+08, MIS+05, RR09, TC10, War02, Wes08]. guided

[HLW+13, SSH17]. Guiltiness [PJZ+19]. GVirtuS [MGL+17].

H [JAS+15, Wel02]. H-SVM [JAS+15]. HA-VMSI [ZTWM17]. Hack
[WMUW19]. hacking [Spi06]. Hadoop [GLBJ18, ZRD15]. Handbook [Bod10, Fis09, NSHW10, War05, Joo09]. Handbuch [Joo06, WF03, Bod10, Fis09, Joo09]. handler [Sal92]. Handling [AMB17, SB16, SMA18]. Hands [Kol19, MDD08]. Hands-on [Kol19, MDD08]. Harbour [MR91]. hard [LTK17]. hardness [RS20]. Hardware [AE01, CWS12, Cla97, Gol71a, HHV02, HWF07, Hsu01, JAD19, JSHM15, JAS15, KAJW93, LH16, LZW17, Mac79, NSL06, OT97, PvDS08, RTL18, SYB12, SWF16, WCS06, YVCB17, YVCB18, ZTWM17, vD06, AA06, AJH12, AE01, BHD09, CBGM12, CP17b, FP14, HH13, HP77, KW13, KJM07, Oi05, Oi06, Oi08, PGLG12, PBB13, RPE12, SE12, TO96, WZW11, XZ11, YJZY12, ZDK19]. Hardware-Accelerated [SWF16]. Hardware-Assisted [JSHM15, JAS15, RTL18, AHJ12]. Hardware-Based [PvDS08, KJM07]. hardware-translation [Oi06, Oi08]. Hardware/Software [KAJW93, LH16, HH13, HP77, WZW11]. Harmful [NMHS15, WC01]. Harmony [PPS18]. HANNESS [BDF99, GKSP99, MDGS98]. harnessing [GLV10]. hash [SV15]. hash-array [SV15]. Hawaii [MS91b, Shr89]. HBench [ZS01]. header [VED07]. Healing [BH15, GK05]. Health [ZL16, ZL18b]. Healthcare [AAR22, KS20a]. Healthcare-Cloud [AAR22]. heap [CSV15, CH08, LDL14, LLS08, PNMM13, TLX17, WSAJ13]. Heavy [HS19]. hedging [RY10]. Helix [Ano03a]. help [Car14, Men03]. HEP [Dun86]. herd [BB20, KS18a]. Hermes [ZLG20]. hesitant [FA21]. Heterogeneity [GLS15, KR16, XLJ16, AMB17, WCS09]. Heterogeneous [GKSP99, HSK17, HHS18, HCWH16, KGG17, KGG18, LMM18, LWW16, LLZ18, OVI12, RG17, YLH17, ZSP21, ZAI16, ZB20, Bac11, CDM10, CKRJ17, DCMW17, GTGB14, GCARP10, KHL17, KKB14, KSS18, LZW15, NRS92, PMC05, RAP19, SWH13, SWC08, ZLL13]. HeteroOS [KGG17, KGG18]. HeteroVisor [GLS15]. Heuristic [BL17, LWW16, XH10, CD14, KMT14, TSB19]. Heuristics [ARMA18, ATS16, BB12, KR16, Man15b, SBN18]. HI [Shr89]. HICAMP [CFS12]. hidden [CWDO06, WQG15]. Hiding [CLS07]. Hierarchical [ABB19a, DM75, Kef08, SPAK18, YFW09]. Hierarchies [TBS17]. Hierarchy [SBK15]. High [ACM98, ACM04b, AM18, Bad82, BDP17, BCW20, CW03, DMS02, DYL12, Han16, Hoge02, IEE96b, IEE06a, IBA20, KCWH14, KBK21, KITM17, KMM13, KKS19, LCK11, LMG01, LRP19, LJZ12, LHP06, MLG12, RCM12, RBO1, SD01, SCSL12, SV13, SYC14, URJ18, Vog03, WQG15, WCC16b, YWCF15, ZLS17, DGG17, AAF09, An06, BML13, DQR13, EMS15, FF96, Fu10, G01, GTN06, GGJ92, GBCW00, HJK19, LBZ11, LLE17, LM99, LMG00, LDM08, ML78, MUKX06, M06, MRC13, MMG18, RQD17, SB10, SPF07, SPAK18, WXW15, WWH17, XJW18, ZYZ18]. High-Assurance [LJZ12]. high-availability [Fu10, LDM08]. high-bandwidth [WXW15]. High-Endurance [AMA18]. High-Fidelity [KKT17]. High-Level


High-Performance [ACM98, IEE06a, BBBA20, KCWH14, LMG01, SD01, SCSL12, URJ18, WCC16b, dGG+17, Han16, Hog02, KBK+21, SYC14, HKJ19, LLE17, LM99, LMG00, MUKX06, SPF+07, SPAK18, WHH+17, ZYZ+18].

High-Speed [KKS+19, LRP+19].

High-Throughput [BCW20].

Higher [BW03].

Highly [KD78, ZFL15, CAR10, 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].

honeypots [ALL06].

Hood [Ven96, Ven97b, Ven97c, Ven97d].

hooks [AKCP21].

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, Baul06c, CFT+13, TLcC13].

Hot [IEE96a, IEE97, IEE99, IEE01, BBTK+17].

HotSpot [Sch13a, IRB19, Arm98, See08b].

HotSpotTM [RB01].

Houston [ACM06d].

HP [BKMM87, MCK92].

HPC [M+06, GPS+18, HCJ07, JQW15, PNT12, PCB+18, Spa19].

HPC-GTP [M+06].

HPC.NET [Vog03].

HPCS'06 [IEE06a].

HPC.NET [Vog03].

HPCVM [KSS+18].

HSPT [WJ10].

HSSM [Wei02].

Huge [Got07, KYP+17].

HVM [LTK17].

HVMs [CBZ+16].

HW [DCG12, Wu13].

HW/SW [DCG12, Wu13].

Hybrid [GSW+17, HD16, KCWH14, LSC+17, PST+15, RSNK17, VVC+17, WGLL13, FX06, KN18, KSS+20, KS18a, LQW+12, RJK+17, STMV18, YWGH13, ZGW+06, Gua14].

Hybrid-Copy [LSC+17].

Hyper [Gal09b, Lar09, LC09a, TSB19, WXY15, Apr09, Car06, KV09, KS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09].

hyper-space [WXY15].

Hyper-V [Gal09b, Lar09, LC09a, Apr09, Car06, KV09, KS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09].

Hypercubes [HO92].

HyperMAMBO [dGG+17].

HyperMAMBO-X64 [dGG+17].

HyperMonitor [XZ11].

HyperSafe [WJ10].

hypertext [Al91].

hypervolume [EB20].

I-Caching [MM93].

I-IoT [BSL+18].

i.e [MC93, Müh75].

I/O
I/O-intensive

I/Os

IA

IA-32

IA-64

IaaS

IAS

IAS/von

IASSim

IASTED

iAware

IBBE

IBM

IBM/360

ICE

ICL

ICTree

ID

ID/Locator

IDE

idea

Ideal

identifi
cation

Identity

Identity-based

Idiom

IDE

IEEE

IEEE/ACM

Igniting

II

IJCAI

ILDJIT

Illinois

illuminating

im

IMA

Image

Image-Content-Aware

iMeter

immutable

Impact

impacts

Impasse

Imperative

Implementation

Implementations

Implementierung

Important

Improve

Improving

Improved

Improvements

Implications
QXH18, RSC+15, RSLAGCLB16, SP83, TCP+17, WKJ15, WHSE15, XNH21, GVI13, HC12, JYW+13, LC14, OL13, UTO13. IMSA [Ano99b]. in-depth [CBFH20]. in-kernel [Uhl07]. In-Memory [TF16]. in-situ [CRK17]. 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, 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, PTD+18]. Industry [SXH+19]. Infe**:n**ce [Mly09]. in**:n**uing [BJ20]. Information [CAF+91, IEE93a, Int05a, Int05b, Int06b, Int06c, Int06a, SS75, SS05, Ano03, BSD19, LC09a, MD73, MD74, RRB17]. Informed [HKKW13]. Infragistics [Ano03b]. Infrastructure [ECM01, ECM02, ECM05, ECM16, HW12, Int05a, Int05b, Int06b, Int06c, Int06a, LPSS19, McC08, MJW+06, Nel04, NKK+06, 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+20]. Ingens [KYP+17]. inherently [DG**+18]. injection [CP17b]. InkTag [HD**+13]. Innovation [ACM03a]. innovations [ABB+15]. Input [ACL72, Wal76]. Input-Output [ACL72]. Insider [LC09a]. Insiderinformation [LC09a]. insiders [KSS09, KS10]. Insights [Rev11]. Inspection [SK1+17]. 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, WOT5]. Instructions [Qia99]. Instrumentation [ZFL15, BZA12]. Instrumenting [MZG14]. Instruments [BPB86]. integer [TTY00]. integer-reference [TTY00]. Integrated [BDF19, QLL+21, CGW00, HKJ19, YZLQ14]. Integrating [JMSLM92, LTT92, LCL14, OBSR16]. Integration [GMP89, VGF16, Ame13]. integrierten [Deu08]. Integrity [CW03, DL19a, DM75, (Fo71, (Fo78, QTO6, WJ10, CS76, JXZ+10, KBC21, LXR19, XCL15]. Intel [AJM+06, CMP+07, DLM+06, Don06, KBC21, NLS+06, NKK+06, NBB+19, RSW+06, RI00, UNR+05, Uhl06, vSMK+20]. Intelligence [MR91, JNR12, MPA+18]. Intelligent [GH91b, HTAY21, PTD+18]. intelligente [PO09]. Intellij [Ano03a]. intensive [BPM+22, GJK+19, IKU15, JFZL17, dCJR16, LFHQ19, QXH18, SZKY21, VVB13]. Inter [cCWS14, GGM+16, RLZ+16, BML+13, CBZ+16, SWcCM12, SBP+17, VOS12]. Inter-Application [cCWS14, SWcCM12]. inter-cloud [SBP+17]. inter-connectivity [VOS12]. Inter-Domain [GGM+16, BML+13]. Inter-Virtual-Machine [RLZ+16]. inter-VM
[CBZ+16]. interact [EGD03]. Interacting [SK13a]. Interactions cCWS14, SWcCM12. Interactive [Hir17, LD05, MLA83, SSG90, WLS+18, Ber86, HMS04, KKJL14]. Interconnect [RCM+12, SKJ+17]. interdependencies [LBF12]. Interface [Cro93, SH04, Sun95a, Guz01, HP77, VL00]. Interfaces [Mac79, PST+15, WML02]. Interfacing [MC93]. Interference [NBH08, XLL+14, XLJ16, ZRD+15, HL13, gKEY13, SS13, VVB13]. Interference-Aware [XLL+14, XLJ16]. Interferences [ZRZY15]. Interlisp [II79]. intermediate [GLV99]. Internal [SI81]. International [ACM00, ACM05a, ACM05b, ACM05d, ACM06b, ACM06f, Ano99b, BW03, IEE84b, IEE85, IEE93a, IEE96b, IEE02, IEE03, IEE04, IEE06b, IEE06a, LCK11, MS91b, MR91, Ost94, SS05, Shr99, Tho93, TLC06, ACM06c, JPT94, M+06, HHK94]. Internet [Ano99b, CK06b, KGG00, ASL+20, AAMBE21, APST05, Ano03a, CHCC07, CK06b, CK06c, KB21, LLW98, Mon97, PDT+18, SXH+19, SDM21, WSX+19, Wid01]. Internetkommunikation [CK06b, CK06c, CK06d, CK06g, CK06f]. Internetprogramme [CK06b]. Internetprogrammen [CK06c, CK06d, CK06g, CK06f]. Internship [HMS17]. Interoperability [GSS+18, CPM+18, Men03]. interoperable [KKB14]. interposed [ZSR+05]. Interpretation [FTNY69]. Interpreter [MSI18, SMK02, Ber86, KMMV14]. interpreter/graphic [Ber86]. interpreter/graphic-simulator [Ber86]. Introducing [BG74]. Introduction [A+04, BG73b, CK06a, CK06b, CK06c, CK06d, CK06g, CK06f]. Invoking [Ven97c]. Invocations [WZKP19]. IOMMU [YWCF15]. IP [AM16, CF00, HWHW18, NTR18]. IPv6 [GLQ+13]. Iron [Ano05]. IronGrid [Ano03b]. irregular [AC16]. ISA [CWH+14, D202, KNHH18, WLIW+15, WCC16b]. Ischia [ACM06c]. 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, WTL +16, YJZ +21]. ISPA [M +06]. ISPA [HKK94]. ISSTA [Ost94]. Issue [KM13b, TZB19, WYZAD20, Yur02]. Issues [AGF +17, AD11, KS08a, KK19, MZ20, SEF +06, Tur84, AR20b, AR20a, 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 [AKCM99, IEE93a, Shr89, USE01b]. Japan [HHK94]. Java [AC98, ACM01b, Ano00, Ano01a, Ano01b, Ano02, Ano03a, Sch13a, USE01c, USE01d, USE02, Wol99, ADM98, Ace13, AT16, Ano97b, Ano97c, Ano97d, Ano03b, AFT01, ABC +07, AC98, ANH00, BDF +98, BHDS09, BD01, BP01, BP03, Bri98, BZH17, Caa00, CW03, CT03, CH08, Cla97, Coh97, CDG97, Cra98, Cza00, Dalxx, Dal97, DHPW01, DD20, DEK +03, DS09a, DBC +00, DCA04, DLS +01, EGD03, Eng99, EL98, FFB +00, Fra98, FK03, G +01, GGG03, GCARPC +01, GPW03, GBCW00, HT98, Han05, HM01, HOKO14, HKB03, HBo8, Ivo03, JR02, J02, Ju07, Ka07, KS13, LM99, LM00, LB98, LV99, LY97a, LY97b, LY99, LYxxa, LYxxb, LYBB13a, LYBB13b, LYBB14, LTK17, MSG01, MO98, Men03, MD97, MDxx, MLG +02, MB08, Mon97, MP01, NG13, OT97, Oak14, Oi05]. Java [Oi06, Oi08, PTHH14, FM +20, PRB07, PV06, Qia99, RJV +01, RHR02, Ran02, R +13, Rou03, RB019, SMK02, SS +14a, SD01, SE12, SH04, Sch13a, SSMGD10, Set13, SMB01, SS03, Shi03, SM01, SGV12, SEP19, Civ04, Smi07, SBB01, SBB14, 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, VLO0, WL06, WGF11, Wk99, WH99, Wes98, Wol99, Won97, WMG06, WZL +18, YC98a, YC98b, YME05, YKM17, Yel99, YTY00, ZP14, ZS01, vLSM01, Ano97a].


[AHK\textsuperscript{+}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\textsuperscript{+}16, DBC\textsuperscript{+}00, Guy14, Kha19, R\textsuperscript{+}13, RRB17, SSB\textsuperscript{+}16, SYZZ\textsuperscript{+}14, SV15, Sub08, Sub11, Ven99b, WKJ20, WKG17]. JVMPI [Sun95a]. JVMs [BK14].

K. [Sch94a]. Kailua [Shr89]. Kailua-Kona [Shr89]. Kaleidoscope [LFB94]. Kanazawa [HHK94]. Kanotix [CK06c, CK06h, CK06i, CK06m, CK06s]. Karlsruhe [KGG00]. Keeping [NP13]. Kernel [FL13a, HD16, JJP91, KZB\textsuperscript{+}90, SM90, SYB12, TY14, WLM16, Uhl07, VMBM12, KM13a, KM13b].
Kernel-based [TY14, KM13a, KM13b]. Kernelized [WCC16b]. kernels [HPHS04, RMB02]. Key [LCMV17, TF16, DPW\textsuperscript{+}09]. Key-Value [TF16].

Kinder [CK06q, CK06t, CK06r, CK06s]. Kingdom [Vra05]. Kit [Car06, LC09b]. knapsack [EYGS19]. knew [RAT17]. Knob [WUK\textsuperscript{+}18, BR01]. Knoppix [CK06d, CK06i, CK06m, CK06s, Deu08, CK06i].
knot [LBF12]. Know [NBB\textsuperscript{+}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, ZB20]. Kubernetes-Based [ZB20]. Kubuntu [CK06e, CK06j, CK06n, CK06c, CK06j]. Kuck [War11].

Kundenserversystemen [See08a]. KVM [Deu08, Him08, DN14, GLC84, HWCH16, LZL\textsuperscript{+}15]. KVM-based [HWCH16].
KVM/370 [GLC84]. KVM/ARM [DN14]. KylinX [ZZW\textsuperscript{+}21].

L [Lot91]. lab [AL05, HMS04]. laboratories [DTW07]. Laboratory [GPM21, Kim84, SVN\textsuperscript{+}10]. Labs [See08b]. lag [ZMD\textsuperscript{+}21]. Lagrange [SS22].

Lagrangian [GR15]. Lagrangian-based [GR15]. Lake [ACM03b]. Lambda [Wat86, Wat87]. land [Tsa14]. Landing [ACM03b]. Language [CDM\textsuperscript{+}10, ECM01, ECM02, ECM05, ECM06, GSS\textsuperscript{+}18, Hog08, Int05a, Int05b, Int06b, Int06c, Int06a, Kam83, Luc97, MR04, PW03, PFH\textsuperscript{+}16, RSF03, SIR\textsuperscript{+}17, SVB93, SUN97, WIDP12, WBHN18, Arv02, Ber86, BD01, BMER14, DH01, Don88, GLV99, Hog06, IT86, Juo07, KRCH14, Les74, MD12, MC93, PR07, RJK16, RSW91, SKC73, SOM04, Taf11, Tsa98, WCG14, WWH\textsuperscript{+}17].

Language-independent [PFH\textsuperscript{+}16]. language-level [WCG14].

Language-Neutral [WBHN18]. Languages [BS90, Dan86, KP99, LFB94, PTH14, SSG90, Tol98, YKM17, ACM99, BDT13, Jou85, ML78, MRG18, PMC05, PUL016, SSB\textsuperscript{+}16, Sus76, TB14, Wel02, Wu13, YWF09]. LARD [WCG14]. Large [DK93, GKB15, PLH\textsuperscript{+}12, RIP18, RGSJ17, SADP21, SLM89, XDL015, ZSXZ07, ZLW\textsuperscript{+}14, ZTA\textsuperscript{+}21, BLRC94, DK75, FPGK18, LPD\textsuperscript{+}11, Nie12, Res03, STM18, SZ13, SHTE11, WCG21, YZSC17].
Large-Scale
[PHL+12, SLM89, XDL815, 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, BTLNB15, MA17, RSLGCLB16, ZFY18],
layered [PSC+07], layering [ASSB18, BPP+17, BL17, MV16, RZPX19, IMK+13, MMTM22, ZSW+06],
layered [PSC+07]. LayerMover [ZFY18]. lazy [Wak99].

**LDA** [YZSC17]. leadfoot [HHPV15]. Leaking [vSMK+20]. lean
[BRX13, Che21, DS18, GPM21, KKE19, MSC+21, AD18a, GH20, GKT17,
KR+12, NNK21, RGAT18, RT18, WBB+19, WZZ+20]. Learning-based
[DS18]. legacy [LU04]. LegoSim [RMB02]. Length [GR20]. Lern
[CK06q, CK06t, CK06r, CK06s]. Lernprogramme [CK06k, CK06l, CK06m, 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, ZQZ+16, AD18a, AL05, BSM+12, BSD19,
BSOK+20, But94, Cia07, EGD03, FLCB10, IM75, JHE14, LZW+17, ML78,
SVN+10, SWCM12, SSG90, WHSE15, WF07, WCG14, ZLZ13].
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]. Life
[ZR06]. Lifetime [WJ10]. Light [WWL+17a, HB08]. Lightweight
[WWL+17a, HB08]. Light-weight [ABV12, CXLX15, PLZ20, Ran02, VN06,
WJ10, YME05, ZLW+19b, ZTW17, 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

linguistic [UR15]. Link [KKLT18, CRB12, GGJ+92, JK15]. linked [FC98],
linking [FC98]. LINUX [GG00, Ano06a, CK06a, CK06b, CK06c, CK06d, CK06g,
CK06i, CK06j, CK06o, CK06p, G+06, Mar08, USE00a, WF03,
ABB19a, Bau05, Bau06, BBHL08, Ble10, Bor01, CK06a, CK06b, Com00,
Com03, DN14, Dav04, Frh13, G+06, GND16, MZG14, NWH00, NV05,
P+08, Ros14, Spr06, Spr07, VBBM12, Wun13]. 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
[Len75]. little [Men03, YPPA01]. Live
[AGC18, BWH+19, CCZ+06, Deu08, DK17, ECJ+16, HKN22, JFPL16,
JDW+14, KKL16, LSC+17, LZL+15, LLL+11, LH15, LZW+20, MZD+18,
MSC+21, RJS+18, SHW+15, SKI+17, TUM18, XLL+14, XD16, XD17,
ZRS+16, ZDLG17, ZXY+15, AS14, BAC15, BB08, DS20, FGL15, GJK+20,
HLW+10, HTB19, HDG09, IMBB20, JKK+13, JFZL17, JGW+11, JGE13,
LFHQ19, 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** [JKK13]. **Live-Streaming** [MSC21]. **lively** [STFH15]. **Liveness** [ADM98, LDL14]. **LLC** [KKH14]. **LIVM** [LH13]. **Load** [ARAAN19, CL16a, DY17, KAZS14, KK19, LW12, LYS+18, YWR+14, Bir94, DS18, GH20, KNHH18, TF16, XH90, XTB17]. **load-balanced** [DS18]. **Load-balancing** [KAZS14]. **Loading** [LB98, HSC15, WGF11]. **Loads** [LTE12]. **Local** [ADM98, Oi08, PCR89, HJ10, KMT14, Oi05]. **Locality** [HSC15, SZ88]. **Localization** [YYL15]. **Located** [LGJZ16]. **Location** [THB22, USE93, WC15]. **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, KKK18]. **Logics** [BW03]. **Logisim** [Bur02]. **logistics** [LZWC13]. **LogP** [CKP93]. **LSTM** [EVCL21]. **LTng** [WKJ15]. **Luminous** [KNT02].

**m** [USE01c, Abr82, KAH83, AS85a, AS85b]. **M-series** [KAH83]. **MA** [USE06]. **MAC** [STV05]. **MAC-Based** [STV05]. **Mach** [USE91, MRG91]. **Machine** [AGJS16, AS85a, ABC66, AAF21, AAR22, ABV12, Ano00, Ano01a, Ano01b, Ano02, Ano04a, Ano04b, FLtNW14, AE01, Apr09, Arc07, AAK18, AGIS94, BWL15, BFHW75, Bai70, Bak83, Bal91, BDF+99, BH73, BN75, BWD+15, BJH+16, BG73a, BCG73b, BG74, CTS+93, CW03, CFH+79, CFH+80, Car13, CF00, CCG16, CRZH15, Cox09, CWL+15, CHPY17, CYX+17, Dalxx, Dal97, DHPW01, Dan86, DCM22, DF96, DGLZ+11, Dom80a, DL9b, DJ77, EG01, FG91, Fie68, Fis01, FPS+02, (Fo71, (Fo78, FL13a, GKSP99, Gei02, Gen86, Gol69, Gol71a, GLBJ18, HH79, HH10, Hal79, HTW+19, Han73, HH79, HKM+18b, Hir17, Hor73, HKKW13, IBM72, IBM73, IBM76b, Ibs84a, JHS12, JJK+11, JMSLM92, JQWG15, JN15, JADAD06a, KC16, KS08a, KKE19, KSS+20, KMK16, KNT02, KF91, Ken80, KDB16, Kim84, KAH83, KGZ+04, KLF+15, LCWB+11]. **Machine** [LMM18, Lau87, LW73, Law00, LW11, LSC+17, LLW98, LTE12, Li14, LVM16, LGJ+18, LTT92, LY97b, LYxxa, LYxxb, LYBB14, LWLL10, LJJ+11, LPB17, LFBB94, Loy92, LXM+16, MSG14, Mac79, Mad69, MS91a, Man16, Mar73, MZ20, Mcc74, MS70, MD97, MDxx, MDGS98, MKKE12, MA21, II79, NHB08, NKB16, NMG15, Nol04, NASD21, NSJ12, NL19, Ob17, PPTH72, PP73, PAC+22, PX+17, Pfo13, 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, VTVW16, Ven97a, VL00, WL96, WIDP12, Wak99, WH99, WDL + 20, WB81, WWL + 17a, We94, WCGS05, WHD + 09, WP97.

Machine
[WLCS17, XWJX15, XLI16, XLIW19, YWY + 17, YP15, ZLW + 14, ZRS + 16, ZL16, ZCG + 17, ZL18b, ZLZ + 19b, ZCL + 21, ZZF06, ZWL + 18, ZHL16, ZJXL11, ZTWM17, Zyt94a, Zyt94b, dSdF16, AD18a, Abr82, AS85b, AD19, AGS + 10, AGH + 15a, ATZP21, AAB + 00, AC95, Ame13, Ano94, Ano96, Ano99a, AO16, AFT01, ABC + 07, Arm98, AWR05, Arv02, AP18, ANH00, AMA + 11, BB20, BDF + 03, BBTK17, Beg12, BPC94, BJ20, BCM90, BRS + 22, Bir94, Blu02, BADM06, BFC02, BY20, Bro98, CARB10, CL14, CD14, Car14, CEG07, Cav93, CFVP12, CS76, CHCC07, CCL + 20, CBW13, CK06a, CK06e, Clo85, Cof99, CGV10, dCCDFdO15, CWG00, CD01, DH01, DSC + 08, DP11, DM93, DBC + 00, DLH + 20, Don87, DHD20, DJ76, DXM + 17, EGK02, EGL13, FLL + 13, FS19, FM90, FA21, FSFP19, FMIF18, Fit14, FF96.

Machine [FLM + 08, FCG + 05, Fre05, GGQ + 13, GTGB14, GH20, GSKJ18, Gol74, GCARPC + 01, GPW03, GR80, GBCW00, GA18, HZL + 18, HJ10, HKN22, HTB19, HUL06, HK07, HcC14, HPHS04, HLBZ20, HSC15, Hui18, IBM85, IBM88, Int88, IBM94, IMB96, IRB19, IKU15, JKK + 13, JNR12, JC18, JGW + 11, JADAD06b, Ka97, KOY05, KB21, KS13, KS20a, KSO + 15, KS18a, KTB17, KK21, gKEY13, KCS14, KJLY15, KCKC15, KKC + 16, KMG + 18, KFF12, KSS + 18, Koul11, KCV11, KRG + 12, Lam75, LBJ + 11, Les74, LC02, LM99, LZWD15, LBL16, LWL16, LLY18, LLW18, LFHQ19, LXR19, LZL + 19, LZZL20, Lai05, LL14, LPZ + 22, LWCZ22, LBPK16, MS01, MS00, MG72, MC93, MC11, MRG18, MN91, MST + 05, MW18, MM19, EYGS19, MAK07, MJ93, NH20, NKN21, NOK + 85, NAR19, NIA18.

Machine [OG16, Oi08, ORPS09, PEL11, PFPJ18, PCB + 18, Piz17, Pon19, Pul91, RK20, RHR20, Raj79, RWC21, RZ14, Req03, RK18, RFBLO01, RY10, RJK + 17, RCY19, SZKY21, SB121, SBBP20, SHR19a, SHR19b, Sch13b, SSMD10, SEM + 20, SHLJ13, She91, SCEG08, SASG13, SSEA18, SL00, Sig89, SGGB99, SGGB00, SKC73, Sm97, SYMA17, SJL20, SMA + 10, SBP + 17, SU + 12, TSLBYF08, TMLL14, TDD20, Tay76, tTR82, THG + 18, THOS91, TB14, TTT93, Tur84, Vag10, Van98, Ven96, Ven97b, Ven97c, Ven99b, VVB13, WGF11, WKF08, WRX11, WZV + 13, WKJ15, WCY + 17, WSX + 19, Web10, WHW20, WLL + 13, WW77, Wou97, XHL + 13, XJ14 + 14, XWW15, XZZ + 16, XLIW18, XZK + 20, YME05, YZW + 13, YL14, YLHJ14, YPLZ17, YLCH17, YW20, YBZ + 15, YYC + 19, YLK + 10, Ye99, YSM + 21, YC16, YRJ18, YGN + 06, YQZ14, YQZ19, YTY00, ZG13, ZXX16, ZYX + 18, ZL15, ZL15 + 15].

Machine [ZHHC17, ZFY18, ZWC + 19, ZLZ + 19a, ZBP07, ZLW + 19a, ZL16 + 16, ZL13, ZLLL13, ZWH + 17, ZLCZ18, ZLYL18, 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, HT98, HM01, HWB03, HB08, Ivo03, JR02, JDJ+06, JJ02, Juo07, KM13a, KM13b, LGM00, LGM01, LB98, LV99, LY97a, LY99, LYBB13a, LYBB13b, LTK17, Men03, MB98, Mon97, MP01, OT97, Oi05, Oi06, PTHH14, PNM+20, PRB07, Ran02, RRB19, RB01, SMK02, SSB+14a, SH04, Sch13a, SM15, SMES01, Set13, SMSB11, Shi03, SV12, Sin92, Siv04, SSB01, SSB14b, SM02, Sur01, Tai98, THB22, Tol98, TO96, TR88, UR15, Ven99a, Wel02, Wol99].

Machine [WWMG06, vD00, Ano97a]. Machine-Based [LW11, WB81, CGV10, WKT08, YZW+13]. Machines [Ano75, ASSB18, Att73, AH68, BMS16, BP99, BDJdS02, BWH+19, Bee05, BB13, BJK73, BRX13, BG73b, BCG73a, CL17a, CWL12, CCML12, CWS12, CGM19, CSS+13, CL16a, CCO+05, CH78, CLHY18, CDN02, DSM14, DEK+03, Den01, DK17, DMR10, DKG15, Do11, EGR15, EGJS15, ECJ+16, Ert03, EDS+15, Gal75, Gal73, G+01, GTS+15, Go71b, Go73b, Gum83, Han73, HKLM17, HB17, Ho20, HS06, HPP15, Ivo14, JE12, Jen79, JXL+12, JAS+15, JK+10, KCWH14, KJL11, KP15, KPHA20, KAH83, Kov19, LMR18, LZZ+15, LYY+17, LD05, LHAP06, LW12, LZZ+15, LLZ18, Mac79, Mal73, Man15a, MD12, MGL+17, MM94, Par71, Par72, PSBG11a, PS16, Ran20, Rev11, Ros04, SD10, SCSL12, ST03, SN05a, SN05b, Sta97, SKI+17, Sup04, TTH+19, TV12, UT87, Vog03, WLL+15, WLL+15, WLL+15, WLLZ16, Win71, XSC13, XLL+14]. Machines [XLL+20, ZRD+15, vLSM01, Agr99, ABB19a, AAH+03, ADA+19, AGH+16, ATS16, AAM+16, AMAB17, AS14, BAC15, Bac11, Bag76, BML+13, BDF+98, BHvR05, Bel06, BB12, BB15, BPM+22, BBM09, BBS06, BB95, CL17b, CGM17, CSSE21, CCL+17, CH08, Cra05, Cra06, CWD0+06, CLL+13, DDS+04, DC15, DEG+17, DQW15, DSZ11, DCMW17, EB20, EGD03, Ert05, EL98, EMS15, FBZS12, Fit14, FHL+96, FGL15, FX06, Fu10, GI12, GVI13, GJK+20, Gol73a, GKJ+19, GLV+10, HKS19, HM18, HMH17, HZZ+14, Hin97, HDG09, Ho95, IMBB02, JES+15, JHW+15, JDW+14, JSE13, KDK20, KSSG16, KR17, KBC11, KBC21, KR16, LMJ07, LZC+16, LLF+18, LZZ+15, LFQ+12, LF19, LC13, LTZ+14, LSS04, Man15b, Mat09, MK19, MG13, MRG17, MMTM22, kTAM+08, MPM+20, NK10, NOR15, PKS+19, PFH+16, PSBG11b, PMC05, PDM20, PBZ+08, PRS16, PVO8].

machines [uRQS20, RK16, RH17, RHR02, RG19, RT18, SJ14, SS13, SEN16, SNV10, Sch09, SSN12, SJJ+12, SJW+13, SWH+13, SLC20, SS22, SSL+13, SPAK18, Ste14, Str13, SK13c, SLA+16, STH11, Syr07, TSK17, TGCFO8, TMMV12, TGD+06, TtLcC13, VT14, VED07, VVT13, WQG15, WZX+17, WDT18, WCS06, WSVY09, WRSvdM11, WRS+15, WCG21, XNH21, XHL15, XWW+17, XT1B17, XA22, YC98b, YFW09, YLJ22, YWGH13, ZBG+05, ZWHC17, ZWL09, ZSSR22, ADN98, BHDS09, CT03, Cla97, MLG+02, PEC+14, SM01, UBF+98, VED06, YC98a, ZS01]. macro [Wel02]. macro-architecture [Wel02]. Made [Ste05]. Mail [Joo06]. Main
mainframe [GBO87], Mainstream [Uh06, BBHL08].
maintaining [HBP06], maintenance [LSS04]. Major [Cap21]. Make
[THB06, BC10, DMH18]. makes [Wal10]. Making
[HKKW13, Voe86, XLL+14, CFRSSR19, FA21, SJJ+12]. Malicious
[SMA18]. Malware
[CLS07, CD12, GG11, AD18a, CVWL13, CWdO+06, PDM20, YJZY12].
MAN [TDG+06, YPA01]. MAN/WAN [TDG+06]. manage
[Car14, Fit14]. Manageability [Gua14, MW05]. managed
[CBGM12, CFG+13, GK05, RJK16]. Management
[AW17, CTP+17, DMR10, HTW+19, HC17, KGGS17, KGGS18, KR18, KL14,
Lar09, LJJ+15, LCMV17, LCFL12, LXM+16, MBWW86, MDGS98,
PLMA18, PYYG21, RC18, SMES01, SC17, SDD+16, SKT+19, TB17,
WIS+15, WLW+15, WGLL13, ZCL+21, AHK+15, ATS16, ARMMA18,
BAC15, Beg12, BBMA91, BHDS09, BN89, CH08, Cla05, BBJ17, Fit14, Fu10,
GTGB14, GLK+12, GAHL00, HKJ19, HB13, IMK+13, IPRS21, KCKC15,
KMGG+18, KF18, KB17, LLS+08, MS00, MBA+12, NBS18, NS07, dOL12,
RH17, RHR20, RP07, RKJ16, SBBP20, SG10b, SWC08, TRG13, Wal02,
WDC08, WWWL13, WB16, WSC06, WSYY09, YLCH17, YWTC15].
Manager [Car13, Car14, KMT14, Apr09, MBA+12]. Managing
[BB13, KGZ+04, LCZ+19, BCP+08, J+05, YLHJ14]. Manipulating
massively [BS90, Kra90, MM93]. Mastering
[CBER09, Low09, Low11, LMG+14, MC08, Sub11]. Matching
[CFM17, Cox07, Cox09, Cox10, YDW18]. Maté [LC02]. matrix
[Kra90]. maximally [SS19]. Maximization
[MLXG19, ZH+17, JWH+15, KTB17, LWLL16]. Maximizing
[BYBYT16, ZRD+15]. May [ACM00, ACM06e, Ano04b, IE84a, IE89a,
IE91, IE90, IE90a, Mar81, TCC06, USE99, USE06, Yur02]. MBSA
[CCL+17]. MC [XJW+18]. MC-VAP [XJW+18]. MC68020 [MML84].
MCG [ZGW+06]. MCG-mesh [ZGW+06]. MDev [PYDG22].
MDev-NVM [PYDG22]. MDRUs [MTFK19]. Mean
[ARAAA19, Ven96, ZB18]. Measurement
[ACM81, Cal75, WLS+18, LXRS19, XHCL15]. measurements [KBC21].
Mécanismes [Han73]. mechanics [MC98, Uhl07]. Mechanism
[LCT+15, LLZ18, MD12, TVKB16, Mly09, SIRP17, SYMA17, YLH14,
YLWH14, YLJ22, ZLH+15]. Mechanisms
[Han73, NMG15, Nel04, MG13, RHZ+17, TMMVL12]. MECOM [JDW+14].
Media [JW17, ZCG+17]. Mediated [PYDG22, XYD+18]. Meet
mehr [Joo06]. Memento [CPST15]. MemFlex [ZLSI17]. memories
[Pat12]. Memory
[AW17, AZEE17, AZEE18, AMH+16, Bad82, Bro89, VMW+19, CLLS12,
Cro93, GHS17, GGJ+92, GKB15, HHS18, HHC+16, HPP15, JKK+11, KLY20,
KGSS17, KGSS18, LW11, LH16, LIL+15, LZW+17, LXM+16, MKKE12,
PP73, RC18, RLC+12, RGSJ17, SMES01, SL89, TCV16, Wal02,
WWE+16, WVL+17a, WK90, WTLS+09, WSL+18, ZL18a,
ZLSI17, ZCL+21, AHK+15, ATS14, Ano15, BHDN09, BFS+18, CWH+14,
CWC+14, CLC13, CH08, CMM+06a, CMM+06b, CMM+06c, GPS+18,
GMK17, GVI13, GNB16, GLV+10, HKN22, HB13, HHPV15, HUWH14,
JHK+13, JDW+14, KB17, LLLW18, LFHQ19, LJYZ15, LFS+08, MS00,
PNM+20, PPO14, RO16, RJK16, SEP19, VED07, WWS89, WZ+11,
WWE+13, WK08, ZP14, ZWXX17, ZHC15, ZWL09, ZL13, TF16].
Memory-Aware [JJK+11]. memory-limited [CH08]. Memory-Oriented
memory-aware [JJK+11]. merging [TLX17]. mesh [SJRS+13, ZGW+06]. Message
[GGM+16, DM93, TO91, UR15, XH90]. message-passing
[TO91, UR15, XH90]. messaging [Joo06]. meta [BT15, SBN18, TSR19].
meta-heuristic [TSR19]. meta-heuristics [SBN18]. meta-tracing
[BT15]. metacircular [PBAM17]. Metacomputing [MDGS98].
metaheuristic [ATZP21, EYGS19, XA22]. metaheuristic-based [XAB22].
metaheuristics [ARMA18, SEM+20]. metal [AGH+16, GAH+12, OSK15].
Method [AAMBE21, AC16, BP99, BA19, DEK+03, HT98, LZZ+15, Mar73,
QLL+21, RSNK17, SXH+19, TTH+19, ZAI+16, ATZP21, CSSE21, DSM+17,
JHK+13, JXZ+10, LYYY17, LYYY18, LXRS19, LYY+20, MHH19, MA19,
NS7, SEM+20, TTH+14, Ven97c, XZK+20, XAD22, YLHH14, ZSS+22].
Method-Level [AC16]. methodology [FS89]. Methods [BDG18, HSN17b,
KKS+19, PIo13, Qia99, UT87, WH99, AAC+17, BMBW86, MG19, XH90].
micro [SS17]. metrics [BSOK+20, Sch13a]. Metriken [Sch13a]. Metron
[KBK+21]. Mexico [ACM00]. Meyer [Ano97a]. MGC’05 [ACM05b]. MI08
Microarchitectural [MSS18, CJJ+22, EGD03, SK13b]. microcomputer
[UBL+82]. microcomputers [GBO87]. Microgrids [GPM21]. microkernel
[GMR93, Sto07, UHL07]. microkernel-based [Sto07]. Microkernels
[FHL+96, HUL06]. Micromachines [Sto73]. Microprocessor
[Ran02, ACT94, WW77]. microprocessors [But94]. microprogrammable
[BAG76]. microprogramming [ML78, SP83, Tho73]. microservice
Microservice-based [BNS18]. Microservices [Kol19].
Microsoft [Lar09, Zim05, Ano99a, B+07, Car13, CBER09, Gal09b, Joo09, Kal07, KV09, KSS09, KS10, Lar09, MRM06, Nou92, Ste05, Won97].
AGC18, ABV12, BWH+19, BFG+14, BWD+15, CYX+17, DK17, EMAL17, GWZ16, KC16, KGS16, KKLV16, LSC+17, LZL+15, LJJ+11, LH15, LZM+20, MZI+18, NKB16, PS19b, RSNK17, RSN+18, RJ+18, SL14, SHW+15, TMV12, XWJX15, XLL+14, XD16, XD17, XLWX19, YWR+14, YWW+15, ZRS+16, ZCG+17, ZDLG17, vLSM01, AGH15b, AGH15a, AS14, BAC15, BB08, CLC13, DS20, FMIF18, GLL15, GJK20, HLW+10, HK+22, HTB19, HH19, HDG09, JKK+13, JGW+11, JDW+14, JGSE13, KN18, KLY20, KSS+20, KTB17, KLY15, LZWD15, LZC+16, LFHQ19, LLZ+19, DPBK16, MG13, NAR19, NIA18, PC21, PKS+19, PDC+12, PFFJ18, PCB+18, RK16, RCTY19, SEM+20, SM01, SS22, SYMA17, SSL+13, SLP+17, SLE+17, ST+17, TDG+06, WCY+17, WSX+19, WDT18, WLG+11, WRSvdM11, WRS+15, XWW+21, XA22, YW20, YBZ+15, ZLZ15, ZHH17, ZFY18, ZLZ+19b, ZLZ+19a, ZNSL14, ZLLL13, ZLY18, TUM18].
Mistakes [Ste05]. Mitigate [WWL+17a]. Mitigating [ASSB18, WZKP19, ASB18]. Mitigation [LGR14, IRB19]. Mixed [PA21, WLMD16, LWM14]. Mixed-Criticality [WLMD16]. Mixing [LD05]. MLN [Beg12]. MMU [XYD+18]. MO [ACM97]. Mobile [CPKL17, CPS17, CWH+16, LH16, LYS+18, MV16, RSN+18, SGB+16, SML18, USE93, WVT+17, WCC20, XZL+20, ZLZ+19b, BD11, BBD+10, CM18, FC98, HLW+10, IIK+06, ISE08, LLLE17, SASG13, WHSE15, ZLZ+19a]. mobility [FX06, SBP+17, ZLZ+19a]. mobility-induced [ZLZ+19a]. Mode [Dav04, CWH+14, Co99, YLJ22]. MODEF [SMO84]. Model [Bar73, BRX13, CHW12, DL19b, GKK18, HMK+18b, IBM76a, KKT17, KF91, KAZS14, MTFK19, MV16, MP01, Ne04, NSJ12, WLCS17, XDL15, YLK+17, ZDLG17, Bar78, BCM90, Bir94, CKP+93, Fre05, JFZL17, NNK21, RHR20, Req03, SS13, TMJ+21, WO75, YZLQ14, ZP14, ZBG+05, ZGL+17]. Model-Driven [NSJ12]. Model-Free [BRX13]. Modeling [ACM81, CH78, IN87, KRG+12, LDL14, PFNC20, SHB19, TIH09, WDL+20,
WLS$^{+18}$, WZZ$^{+20}$, XWH$^{+16}$, BPM$^{+22}$, BB95, FX06, gKEY13, SK13c, TLX17, YZSC$^{+17}$. **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$^{+19}$]. modified [FS19]. **Modular** [AvMT11, ADWM18, DCA04, FC98, LH13, TO91]. **Modularity** [SVB93, DNR06]. **Modulation** [WUK$^{+18}$]. möglichen [Hin08]. moldable [HZZ$^{+14}$]. **Molecular** [YWCF15]. MOLP [ZB18]. monad [Dan12]. Monitor [LXM$^{+16}$, QT06, Ren78, RL90, Ros99, SVL01, AGSS10, ALL06, AMA$^{+11}$, Cof99, KOY05, KOU11, SHLJ13, SSU$^{+12}$, TT93, XZ11, ZYZ$^{+18}$]. monitor-based [AMA$^{+11}$]. **Monitoring** [AMA$^{+11}$]. Monona [ZL18a]. Monterey [ACM05a, Ano01b, USE91, USE01c]. Mori [CPST15]. Mortar [HUWH14]. most [CK06b]. **motion** [Lia05]. Motorola [Ano03a, MMM84]. move [BGS13]. Moving [Cre10b, Cre10a]. MPSoc [BH15]. **MPSoc** [OVI$^{+12}$]. MS [The08]. MU5 [MDFS72]. Multi [AVNR19, ABV12, AP18, BB17, CLG$^{+10}$, DY17, DLS$^{+01}$, Fie68, GSS$^{+18}$, GLBJ18, HMM17, HC17, HCB18, HPcC04, KR18, LZLY20, LLS14, LH15, LCZ$^{+19}$, MMJE19, MD12, MP16, MM94, PXG$^{+17}$, PNT12, RTL$^{+18}$, SL14, SCL$^{+19}$, TTH$^{+19}$, TSR19, TK20, WLL$^{+13}$, XCSM18, XZL$^{+20}$, ZL18a, ZRZ15, AD18a, AL05, ATS16, BB20, Bor07, BY20, DEG$^{+17}$, DHD20, FFG14, GQQ$^{+13}$, GKP$^{+19}$, GH20, HZL$^{+18}$, JHE14, KMT14, LC14, LYYY18, LLZ$^{+19}$, MPM$^{+20}$, RK18, RPE12, STMV18, SE12, SWH$^{+13}$, SS19, SIK$^{+16}$, SWW$^{+18}$, WDC08, 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, HMM17]. 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-GPU [NMS$^{+14}$]. **Multi-granularity** [LLS14]. Multi-Language [GSS$^{+18}$, MD12]. **Multi-Level** [MMD19, AD18a, JHE14]. Multi-Objective [GLBJ18, AP18, LZLY20, SL14, SCL$^{+19}$, TSR19, BB20, BY20, GGOQ$^{+13}$, GKP$^{+19}$, GH20, HZL$^{+18}$, MPM$^{+20}$, RK18, STMV18, ZL18$^{+16}$]. multi-platform [XZ11]. Multi-processor [WLL$^{+13}$]. Multi-Provider [MP16]. multi-resource [LYYY18, LLZ$^{+19}$]. multi-server [LC14, RPE12]. multi-source [SIK$^{+16}$]. Multi-stage [CLG$^{+10}$]. multi-start [KMT14]. Multi-tasking [JDJ$^{+06}$]. Multi-Tenancy [DY17]. Multi-Tenant


nestedinirtualization [RQD+17]. Net [MBK+92, Tqy92]. NetAdvantage [Ano03b]. NetLCR [Joo06]. nets [NMC18a, NMC18b]. Netstumbler [Joo06]. NetWare [WF03]. Network [ACM98, RM03, AFG+17, AP22, AVNR19, ASL+20, Ano10, AO16, ACA16, BYZZ20, BLMP22, BRIDM10, BL17, BHEP14, CFM17, CBJ22, CPS17, CFLL19, Che21, CTK08, CRE10b, CTP+17, DW14, EMAL17, ELC+19, EVCL21, EMW16, Fis01, FML+22, FLZ17, GHM+18, HTY21, HLPY16, HSL17, HB12, HJG18, IKU15, JW17, KKE19, KKT17, Ken80, KLR+20, KAZS14, KLLT18, LLX+22, LLM+16, LHW+20, LCZ+19, LDGs18, LCFL12, MLXG19, MDZ+21, MAK18, MP16, MCZ06, Mon97, MR06, NTT92, PHL+12, Pap20, PHXL19, PCR99, PST+15, PHC20, Rix08, RS20, RKRK17, SADP21, STK+19, SSOT17, UVL+13, VV18, WB81, XWH+16, XWW+21, XD16, XD17, YJZ+21, YWH+21, ZWFX17, ZHHC17, ZSP+21, ZWH+17, ZKWH17, ACM06c, AM16, AMIA19, ALW15, BG20, BCC+15, BCM90, BL90, BH13,
BBS06, CBZ\textsuperscript{+}16, CB10, CRB12, Cre10a, DS19, DS18, DYL\textsuperscript{+}12, FCD09.

**network** [FLL\textsuperscript{+}13, FZS\textsuperscript{+}20, FJKK17, FK13, FSH\textsuperscript{+}13, GLQ\textsuperscript{+}13, GLJ16, HH18, HH19, HS13, HBP06, IM93, JAC\textsuperscript{+}19, JK15, KSO\textsuperscript{+}15, KK21, KKK\textsuperscript{+}18, KWZ\textsuperscript{+}19, LYYY17, LLZ\textsuperscript{+}19, LRP, MSZ09, NTH\textsuperscript{+}17, OKAM17, OK90, PJZ\textsuperscript{+}19, PFNC20, PBL\textsuperscript{+}16, RK16, RWC21, SHB19, SZL\textsuperscript{+}14, TSR19, TK20, TSCB19, Tur84, UBL\textsuperscript{+}82, VOS12, WWS89, WHC16, WCC16c, WBW, WZZ\textsuperscript{+}20, XHW\textsuperscript{+}19, YLY12, ZJRW19, ZGL\textsuperscript{+}17, BCZ19, HTAY21, MCJ19, TF16, YWL18]. **Network-Aware** [CTP\textsuperscript{+}17, AO16, IKU15, ZHHC17, KK21, LQD\textsuperscript{+}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, SS05, SB18, XWJX15, ZKWH17, BTMS10, Bor07, BH13, GDM19, M\textsuperscript{+}06, Zho10]. **Networks** [BSI\textsuperscript{+}15, CPKL17, CGC16, CFLL19, EVCL21, FML\textsuperscript{+}22, Hal79, HHK94, JN15, KKLV16, LLW16, LXZ21, LCMV17, MP16, MBWWS6, MSC\textsuperscript{+}21, NGRF19, QLL\textsuperscript{+}21, SLJPP11, TV092, VVC\textsuperscript{+}17, XZL20, ALW15, AI91, AAC\textsuperscript{+}17, CL15, CM18, DS19, FZS\textsuperscript{+}20, GCARPC01, GLQ\textsuperscript{+}13, GHM\textsuperscript{+}18, HHSG18, KCV11, LC02, LZW15, LWL16, MG19, MAK07, NRS92, OMB15, RS16, THH\textsuperscript{+}14, TK20, TO91, WZV\textsuperscript{+}13, WT91, XWW\textsuperscript{+}21, XYYY17, XJW18, YKS16, YLTF20, YMY17, AAJD16]. **Netzwerk** [KGG00]. **Netzwerke** [WF03]. **Netzwerkkonfiguration** [WF03]. **Neumann** [FS11, FS12, Sig89]. **Neural** [EVCL21, JAC\textsuperscript{+}19, MBK\textsuperscript{+}92, TV092, Tur92, WWS89, AI91, BCM90, BL90, IM93, KCV11, OK90, RK16, RWC21, TO91, WT91, WRC91]. **Neurocomputer** [GFB92]. **Neutral** [WBHN18]. **neutron** [MM92]. **Nevada** [ACM81, ACM89]. **newer** [YK13]. **Newfoundland** [IEE06a]. **News** [Bri98, Kal97, Sta07]. **Next** [BDF99, CF00, IIK06, RGS20]. **next-generation** [IIK06, RGS20]. **NFV** [ALW15, Pap20, TF16, ASL\textsuperscript{+}20, BDF19, FS19, FLZ\textsuperscript{+}20, GDS\textsuperscript{+}17, JW1\textsuperscript{+}18, KBK\textsuperscript{+}21, LHW\textsuperscript{+}20, LXZ\textsuperscript{+}21, SDM21, SHB19]. **NFV-Based** [SDM21]. **NFV-Enabled** [LXZ\textsuperscript{+}21]. **NFV/SDN** [BDF19]. **NG2C** [BOF17]. **Nice** [ACM81, ACM89]. **newer** [YK13]. **Newfoundland** [IEE06a]. **News** [Bri98, Kal97, Sta07]. **Next** [BDF99, CF00, LPSS19, IIK06, RGS20]. **next-generation** [IIK06, RGS20]. **NFV** [ALW15, Pap20, TF16, ASL\textsuperscript{+}20, BDF19, FS19, FLZ\textsuperscript{+}20, GDS\textsuperscript{+}17, JW1\textsuperscript{+}18, KBK\textsuperscript{+}21, LHW\textsuperscript{+}20, LXZ\textsuperscript{+}21, SDM21, SHB19]. **NFV-Based** [SDM21]. **NFV-Enabled** [LXZ\textsuperscript{+}21]. **NFV/SDN** [BDF19]. **NG2C** [BOF17]. **Nice** [ACM81, ACM89]. **Newer** [YK13]. **Newfoundland** [IEE06a]. **News** [Bri98, Kal97, Sta07]. **Next** [BDF99, CF00, LPSS19, IIK06, RGS20]. **next-generation** [IIK06, RGS20]. **NFV** [ALW15, Pap20, TF16, ASL\textsuperscript{+}20, BDF19, FS19, FLZ\textsuperscript{+}20, GDS\textsuperscript{+}17, JW1\textsuperscript{+}18, KBK\textsuperscript{+}21, LHW\textsuperscript{+}20, LXZ\textsuperscript{+}21, SDM21, SHB19]. **NFV-Based** [SDM21]. **NFV-Enabled** [LXZ\textsuperscript{+}21]. **NFV/SDN** [BDF19]. **NG2C** [BOF17]. **Nice** [ACM81, ACM89]. **NICS** [HB12]. **Niklaus** [BGP00]. **Nimble** [ZCJ21]. **Ninth** [USE00b]. **NoC** [FRD08]. **NoCs** [FD08]. **Nodal** [Che21]. **Node** [NTR18, CRB12, JK15, KL13, LSL04, SS19]. **Nodes** [Vol90]. **NoHype** [KSR10]. **nom** [BYBYT16]. **Non** [AMH\textsuperscript{+}16, KS18b, PG17, PG18, WZL\textsuperscript{+}18, YK17, KOY05, KM13a, KM13b, ZP14]. **non-cache-coherent** [ZP14]. **Non-clairvoyant** [KS18b]. **non-dedicated** [KOY05]. **non-deterministic** [KM13a, KM13b]. **Non-Java** [YKM17]. **Non-Preemptive** [PG17, PG18]. **Non-Volatile** [AMH\textsuperscript{+}16, WZL\textsuperscript{+}18]. **Non-Volatility** [WZL\textsuperscript{+}18]. **nonaligned** [AGIS94]. **nonvolatile** [PNM\textsuperscript{+}20]. **normal** [AM16]. **North** [Boa90]. **Nosv** [RQD\textsuperscript{+}17]. **Note** [BCG73a, DMS02]. **notebook** [IBM94]. **Novel** [ARAAA19, ATS16, JZY\textsuperscript{+}22, LSC\textsuperscript{+}17, NK10, PKS\textsuperscript{+}19, XCSM18,
ZWFX17, CBZ+16, LXRS19, LJYZ15, SDN09, ZLCZ18. Novell [WF03].
November [ACM75, ACM89, ACM96, ACM03a, ACM04b, ACM05b, ACM05c, IEE90b, IEE92, IEE93b, IEE02, IEE04, LCK11, USE01, 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]. nutzliche
[LC09a]. NVMe [HCl8, 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, KMN+16, LLE17, LMR18, LHAP06, NsP16, PST+15, Rus08, SBQZ14, SYC14, SXL01, THH+14, TlLcC13, 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].
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Observations [LHW+20]. occupied [SZ13]. OCTET [BKCC+13]. October
[ACM03b, Ano99b, Ano06a, Boa90, IEE03, Tho93, USE00a, Vra05]. off
[CGV10]. off-board [CGV10]. Offensive [BDJds02]. Offers
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[SHB+03]. Older-first [SHB+03]. Oleco [Joo06]. On-Chip [GGM+16]. On-Demand
[SEP+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].
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[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, ZWC+14, BB12, KS18b, LSS04, MPM+20, NK10, THB22, ZXW16].
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OpenQRM [Kar07]. OpenStack [AMI19, BB15, BLMP22, HKJ19, YW20]. OpenSUSE [CK06g, CK06f, CK06g, CK06p]. Operand [MSI18]. Operating [ACM75, ACM03b, BPP+17, BH73, BYBYT16, CD12, Das91, HXZ+16, IEE01, J+05, Mar73, MN05, MKKE12, MM94, RT93, SLM89, THB06, Vra05, ACT94, CCZ+06, CGL+08a, CGL+08b, CGL+08c, CK06a, CK06b, CK06e, CK78, Com00, CLDA07, Dav04, Don87, Fli77, HKD+13, KSLA08, Kou11, KS20b, MW18, MDFS72, NV05, Ros06, SPF+07, SSI2, T93, Vac06, Van06, WR07, WWT89, WHE15, YK13, YIJ22, 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, XYYY17, ZB18, GSKJ18, 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, GLB18, KC16, LW11, LK11, LGZ+19, Man15a, MJW+14, NIA18, PAC+22, RRB19, SM06, SS22, SHZ+14, SKT+19, V20, WDL+20, WK90, YKM17, YWF09, BRS+22, EB20, GCA+19, HLY16, JL+18, LS18, dOL12, WGW+18, WGY20, YXL+20, ZL16, ZLY18]. Optimization-Based [SHZ+14]. Optimizations [HB12, JZY+22, NBK16, RLZ+16, CPST15, NG13, PGLG12]. Optimize [OLZ16, LDL+08, RAT17]. Optimized [CGC16, MZD+18, D20, HZL+18, KCV11, LW16, RGS+20, TMMVL12]. Optimizing [EG03, GDT+17, HHC+16, JGW+11, KRS+17, LQW+12, LL14, LXM+16, MC206, SMK02, SV15, W4L+17b, ZLL13, ZJXL11, FMP18, HSC15, NNK21, ZLBF14, ZGL+17, FLL+13]. Options [HDM08]. Oracle [VSC+10]. orbit [SSN94]. orchestrating [BRS18]. Orchestration [ZB20, BSNB20]. Order [BW03, BFC02]. Ordering [BPC94, Kam83, RSGG15, Juo07, Skr01, Tho73]. Organization [BDR+12, ORTHOGONAL]. Orthogonal [BDR+12, ORTHOGONAL]. Orthogonally [BDR+12, ORTHOGONAL]. OS-Level [ccWS14, KHW+16, SWcCM12]. OS/2 [Bri98]. OS/390 [DBC+00]. OS6 [SS72]. OSCAR [VS06]. OSS [Ble10]. Other [Den01, Mac79, KS13, Mat10]. 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].

[Dan12]. partially [HH13]. 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]. Pasethrough [XD16, XD17]. Password [CD12]. Past [Sup04, Var91, BJG19, BS96, JKDC05]. PASTE'01 [ACM01a]. patches [Ano07]. patching [PM19a]. Path [GR20, AM16]. PATHWORKS [Nou92]. Patterns [CL17a, ESY+17, PMC05]. Paving [FLZ+20]. Paxos [HMS17]. 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]. PEMU [ZFL15]. penguin [Bau05, Bau06b, Bau06a, Fab13]. Pentium [RI00]. Perceiving [XWH+16]. perception [MW18]. Perfctr [NB11]. Perfctr-Xen [NB11]. performance [EBJ17]. Performance [ACM08, ACM04b, Abo03b, AD11, Bad82, BPM+22, BL90, Cal75, CFH+79, CFH+80, CGS06, CHW12, DPN18, De06, DSN11, EDS+15, GEA+95, Gua14, GKB15, HSK17, HTB19, Hor73, HSB12, IE96b, IEE06a, IN78, IBB02, JR02, JK13, dGJR16, KCWH14, KS08a, KS20a, KMM13, KP15, KKS+19, KD78, LZ15, LGJZ16, LCK11, LMR18, LMG01, LCT+15, LAHP06, LTZ14, MJW+14, MT16, MT17, MLG+02, MBK+92, NMS+14, OAK14, OBSR16, PWZ+07, Pat12, PNT12, Raj79, RCN+12, RP07, SHW+15, SD01, SCSL12, SDD+16, SLC20, SJA+17, SM92, SM02, TH+14, URJ18, UT87, VP16, Vos03, WDL+20, WKT08, WCC16b, WVL+17b, XLJ16, YC98a, YBC73, YWFC15, ZLS17, ZRY15, ZW18, ZTA+21, ZJX11, dG+17, AAK+07, Aoh96, AW05, ASB18, BML+13, BB12, BJG19, BBM09, BMER14, CBGM12, CBZ+16, CCW+20, CMP+07]. performance [DQR+13, DLL+16, DSSP06, DLH+20, DYL+12, EMS15, Fit14, FF97, GP13, G+01, GI13, G+05, GAH+12, HKJ19, Han16, HSHG18, Hug02, HC12, HLN13, KBB+21, KJL14, KL13, Kou11, KVC11, LBZ+11, LLE17, LM99, LMG00, L14, LQD+18, MCC18, MA10, MST+05, MUX+06, M+06, MGG+18, MW05, NB11, OL13, PIZ+19, PV08, QXH18, RHR02, RAP19, RQD+17, Rix08, RGS+20, RCTY19, SEN16, SEL12, SBNU18, SP83, SEP19, SB10, SPF+07, SYC14, SPA18, TIIN09, VW08, WTL+16, WWH+17, XJW+18, XZK+20, YC98b, YZL14, YQZ14, YQZ19, YZZ+18, ZSR+05, ZSW+06, ZL18]. 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].
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[HWB03, Ibs84a, SMK02, Ibs84b, FCG+05, HK07, LTK17, AEMWC+12].
**Porting** [Caa00, JJ91, Kel06, MB98, Shi03, vdK09]. **Portland**
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**Practices** [M098]. **Praxis** [Bec09]. **Praxisbuch** [Lar09]. **Praxisführer**
[Bor01]. **Pre** [LUL+05]. **Precise**
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[ADM98, BKMM87, KKS+19]. **preconditioned** [MM92]. **Predicate**
[UOKT84]. **predicates** [JKDC05]. **Predictable**
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**presented** [ACM90]. **Preservation** [JE12, BB08]. **preserve** [STFH15].
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[KLY20, SYB12]. **Preventing** [DL19b, WLCS17, PRB07]. **prevention**
[MA17]. **previous** [STFH15]. **price** [WH16]. **pricing** [ADA+19, DEG+17].
**Primary** [PP16]. **Primitive** [LCWB+11, BMW86, Pon90]. **PRIMITIVES**
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[MPF+06]. **Pro** [SR09, Fra06, Fra09, Wil06]. **Proactive**
[MZ20, WB16, BKT+19, CFRSSR19, IRB19]. **Proactively** [GBK15].
**probabilistic** [PKS+19]. **probability** [LYY18]. **Problem**
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Process [AGLM91, Bal91, HPHV17, MZG14, RB01, SC17, Tho93, AC95, LZWD15, EYGS19, PAKY16, PTD+18, XCJ+14]. process-aware [XCJ+14].

Processes [JADAD06a, Kim84, SN05b, FA21, WT91].

Processing [DKW15, Loy92, MMdE19, VLZL16, DH01, EF94, GSN93, IM93, KWZ+19, LKY+17, LMDP19, LG93, MMG+18, WWT89, Wun13, ZDK+19, ZGL+17].

Processor [ISE08, NSL+06, RWX+12, SKJ+17, BKR20, IJK+06, LRC05, VdfFCC97, WDSW01, WLL+13, WJGA12].

Processor-Interconnect [SKJ+17].

Processors [DSM14, Gei02, MT16, MT17, MBK+92, PNT12, RTL+18, KKC+16, MN03].

product [IBM88, Int88, SV17]. production [SL00].

Products [Ano03a, Ano03b, Ano05]. Professional [vH08, IIBP09, 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, THC+14, YZLQ14]. Profiling-Based [YWW+15]. Profit [BYBYT16, MLXG19, ZHW+17, LWL16].

Profit-Maximizing [BYBYT16]. Profitability [WUK+18]. Program [ACM01a, Com65, Cre65, FTNY69, Han05, HB08, MSG01, SZ88, ABDD+91, BP86, Ob87, 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, Ali91, BCM90, CPM+18, Ham76, Jou85, Kug09, ME87, MRG18, RSW91, SMO84, Ta98, AS85a].

Programming-in-the [DK75]. programming-in-the-small [DK75]. Programs [FS12, Kam83, NMMP15, We94, CK06b, CK06c, CRM16, DFK94, EGD03, GMR93, IM75, Kee68, Wak99, Woli99]. Progress [ZRD+15, ZHCB15]. project [AAB+05a, CKP78, Lot91, RD90]. projects [AL05].

PROLOG [Clo85, Ode87, War80]. Promenade [CFL19].


Q [Che21]. Q-Learning [Che21]. QEMU [WR07, WR08, CK06a, CK06b, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06l, CK06n, CK06o, CK06p, CK06q, CK06r, CK06s, Bar06, MZG14, WR07, WR08, vdK09, CK06a, CK06b, CK06c, CK06d, CK06g, CK06j, CK06k, CK06m, CK06l, CK06n, CK06q, CK06t, CK06r, CK06s, Dev08]. QM [Fli77]. QM-1 [Fli77]. QoE [KS18a]. QoS [FAA17b, BAC15, DEX+17, FAA17a, HLPY16, KN18, KP15, LCL14, LEL16, LYGG20, XZL+20]. QoS-Aware [XZL+20, KN18, LWL16]. QoS-Oriented [LYGG20]. qualitative [ALW15].

Quality


Read-Performance [MJW+14]. Real [AAR22, AE01, BE17, Ben21, CW03, Cla97, GPM21, HeC14, JAD19, KR18, LXL+22, LD05, Mac79, Mat09, NL19, PPG+17, QT06, Ran20, Sta97, Swa06, ABB19a, AS76, ABC+07, BCC+15, HK07, Ivo03, KBB11, LTK17, NBS18, Nie12, PTD+18, RK18, SBN18, WQG15, YCL+19, ZEdlP13]. Real-Time [CW03, JAD19, KR18, LXL+22, NL19, PPG+17, Sta97, HcC14, LD05, QT06, ABB19a, AS76, ABC+07, HK07, Ivo03, KBB11, LTK17, NBS18, PTD+18, SBN18, WQG15, YCL+19, ZEdlP13]. Real-World [AAR22, Ben21]. Realism [DSSP06]. realistic [CKP+93]. Reality [BG20, CB07]. Realizing [UT87, Syr07]. Reallocation [LWZ+18, BY20]. Recon [Ben21]. Receives [War11]. Rechenzentrum [See08a].


Recompilation [THL03]. Reconciling [KPHA20, ABG14]. Reconfigurable [BHI15, IBBA20, KG16, SML18, STY+14, UVL+13, ZL18a, FX06, HH13].


Recursion [War80]. Recursive [BN75, LW73, FHL+96]. Red [G+06].


Reincarnation [Ros04]. REINFORCE [KLR+20]. Reinforcement [MSC+21, WZZ+20]. Reinventing [Hof20]. Rejuvenation

relocation [KJLY15]. Remaining [XLWX19]. Remapping [AS14, LJL12]. Remote [FLM⁺⁰⁸, JKB15, JHS12, KBC21, KMN⁺¹⁶, Bor07, CPM⁺¹⁸, GCARP⁺⁰¹, RSC⁺¹⁵, RS16, SIRP17, SWW⁺¹⁸]. Remoting [MGL⁺¹⁷].

removal [WGF11]. Remus [dSOK17]. RemusDB [MRC⁺¹³].

Renewal [WN17]. ReNIC [DCP⁺¹²]. Reno [ACM89]. rental [FBZS12].

Repair [SEK⁺¹⁹]. repeatability [Vit14]. Replacement [GHD12, WBHN18, LH13, uRQS20].


reserved [DEG⁺¹⁷]. reserving [YLJ⁺²²]. reset [RY10]. Reshaping [BHI15].

Resource [AJ18, AAMBE⁺²¹, BKT⁺¹⁹, BBMA91, BL17, ECET1, EVCL2, FDF05, GWZ⁺¹⁶, GLS⁺¹⁵, GA18, HC17, JZY⁺²², JSHM15, LZWCM⁺¹³, LCT⁺¹⁵, LCFL⁺¹², MS9⁺¹¹, MBA⁺¹², PGF⁺¹⁸, RG17, SJB14, SC17, SC18, SZW⁺¹⁶, SXCL⁺¹⁴, Sur01, WIS⁺¹⁵, XSC⁺¹³, YSS⁺¹⁷, ZQCEO⁺¹⁶, ZLG⁺²⁰, ATS16, AS14, BSOK⁺²⁰, Car06, CPM⁺¹³, EdPG⁺¹⁰, Fu10, HZZ⁺¹⁴, HH19, JWH⁺¹⁵, JC18, KF18, LC90b, LYY⁺¹⁸, LLZ⁺¹⁹, LLS⁺¹⁴, MB21, MS01, Mly09, NBS18, PSS⁺¹⁹, RGAT18, SNNU18, SGV13, SVG⁺¹², TV18, VVB13, Wα02, WDCL0⁸, WGY⁺²⁰, WB16, WSVY0⁹, YGLY⁺²¹, ZWC⁺¹⁹, ZB18].

Resource-aware [GA18, PFP⁺¹⁸, SGV⁺¹²]. resource-constrained [TV18].

Resource-Latency [BL17]. Resources [CRZH15, ELC⁺¹⁹, HLPY16, KGS⁺¹⁶, PCC⁺¹⁶, SDS⁺²¹, ZB⁺²⁰, HMH17, HKJ19, KHL⁺¹⁴, OKAM17, PSZ⁺⁰⁷, TZK17, WRSvdM⁺¹¹, WRS⁺¹⁵, ZBP⁺⁰⁷]. Resourcing
[MSS+15]. Resource-on-Demand [MSS+15]. Responding [BSM+12].
Response [BE17, WZKP19, MA21]. Responsibility [GKXK13]. Resource
[Mar08]. restart [BBHL08]. 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, WCGS05].
retrofitting [CGL+08a, CGL+08b, CGL+08c]. Retrospect [GLC84].
Return [SYB12, Vcn97c]. Return-Oriented [SYB12]. returned [BBS06].
Returning [PSBG11a, PSBG11b]. reuse [LU04]. Reverse [SDS+21].
Review [AP22, Ano97a, BDF19, BDG18, DCM22, Fro13, Ng01a, Ng01b,
ARA18, ARA20a, AGH+15a, BJG19, BJ20, MB21, MA17, Van98, ZJRW19,
Mat10, ARA20b]. Reviewer [Ano03b]. Reviewers [Ano06b]. Reviews
[Ano03b]. Revised [Ram93]. Revisited [SCD90]. Revisiting
[AJH12, CL16b, HMS17, IBBA20, Ram20, 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]. Risk [HZL+18]. Risk-aware [HZL+18]. risks [Bel06].
roadside [YBZ+15]. Rob [Bas04, Bas06]. Robinhood [PWJ16]. Robot
[Arm78]. Robust [CCML12, PFNC20, SVG12, 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, FD08, GR20, HLP+16, NGRF19, YWW+17, FLL+13,
FS19, FSH+13, LFW16, SJRS+13, XWW+21, YLT20]. RPC
[CSS+13, KLY20]. RPC-based [KLY20]. RPython [MRG17]. RTLSim
[YYP01]. RTOS [JK17]. rule [HTAY21, Pul91]. Rules
[Kov19, CFRSSR19]. rules-based [CFRSSR19]. Run
[Bad87, ACT94, AW05, CGM17, Com00]. Run-Time
[Bad87, ACT94, CGM17]. Running
[Bad87, MDD+08, NL19, GMGG93, KGS16, SLC20, SZ88]. runs [FIF+15].
Runtime [GSS+18, Kam83, KP15, MB98, NMM15, Shi03, XLLX19,
KNNH18, ORPS09, RVJ+01, STY+14]. Runtimes
[HD16, Han05, CSV15, GK05, PBAM17, WW+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, RSE+15, SKJ+17, VVC+17, CFS+12, CLJ10, MSZ09, TV18]. Safety
[BSI+15, MTFK19, HM01, MSG01]. Sagamore [ACM03b].
Sampling [Lee16, THB22]. sampling-based [THB22]. San
[ACM99, ACM06a, Ano94b, Ano10, IEE93a, USE99, USE01b, USE02].
Sandboxing [GG11]. Sandpiper [WSVY09]. SANs [ZSXZ07]. Santa
[ACM00]. Sapphire [URJ18]. Satellite [QLL+21, CFVP12, SSN94].
Satellite-Terrestrial [QLL+21]. Satisfaction [LVM16].
Satisfaction-Oriented [LVM16]. 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
[CL17b, DSM+18, FBL18, HJ10, JAD19, Kol19, Li14, RSN+18, SD01,
SADP21, UVL+13, XML+18, ZL18a, ZSP+21, DS18, HLV+10, HTAY21,
LKR+19, SJJ+12, SPF+07, SG10b, Uh107]. Scale
[CZX+19, HC17, PHL+12, RIP18, RJS+18, SLM89, XDSL15, ZIW+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, ASB18, KCS14, RAP19, SWH+13]. schedules
[LC14]. Scheduling
[ARAAA19, AD18b, BE17, EB20, EGR15, FML+22, HSN17b, JKK+11,
KDB16, LMM18, LGJ+18, LD05, LWW16, LC13, PG17, PG18, RB17,
TTH+19, VS19, WDL+20, WWT89, WCG21, ZWFX17, ZQZC16, ZIW18,
ABB19a, ATZP21, BC10, CCL+20, CCX+16, DEE+16, DQLW15, DXM+17,
DCMW17, HKS19, JGW+11, KS18b, KCJ+13, KNHH18, KCV11, MMTM22,
NAR19, PC21, RWC21, RZ14, RHZ+17, SS13, SHLJ13, SSN12, Sto07,
TMLL14, THG+18, VV13, WQG15, WCC+16a, XCI+14, XLWZ18, XZK+20,
YPLZ17, YXL+20, YWGH13, YQZ14, YQZ19, Yu20, ZSR+05, ZB18, MA21].
schema [SI81]. Scheme
[AJ18, AMA18, KAZS14, RSN+18, SHZ+14, YWR+14, KK21, KLY15,
LJY15, XCI+14, YPLZ17, YQZ14, YQZ19, FM90, FDD+19, KR94].
Schemes [Do11, 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 [CL LS12]. SDN [Pap20]. SDNs [ALW15, BG20].
SDWN [AFG+17]. SE [LYBB14]. Seamless
[Hir92, TG+06, XWJX15, BADM06, DS20]. Search
[Cox12, MNS+14, VG20, CWdO+06, KMT14, SB121, Tho68, WXZ+17].
search-based [WXZ+17]. Seattle [ACM05c, ACM06b, LCK11, Ost94].
Sebastianopol [Ano97a]. sEc [SMK02]. SECD [Abr82, AS85a, AS85b].
SECD-M [Abr82, AS85a, AS85b]. Second [ACM06f, IEE93a, Shr89].
SecondSite [RCOW12]. Secure [AD19, AVNR19, AMH+16, CCM12,
CLDA07, JSHM15, JAS+15, LJR12, LP11, PEC+14, QZDJ16, RC18, Ri00,
RSGG15, THB06, TtLC13, WF07, YML+18, vD00, BDS+09, GNDB16].
HKD+13, ISE08, LLX+17, 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, HHS18, HB17, IEE84a, IEE90a, IEE91, IEE05, JE12, KZB+90, KS98a, KS08b, LWLL10, NMMP15, PM19b, PvDS08, Pfo13, Rob12, SJV+05, SM90, SABL20, SEF+06, Ste05, TMV12, TV12, USE00b, VN08, WHD+09, WTM18, ZL16, ZL18b, ZYH+19, Ano07, BTMS10, Bau05, Bau06b, Bau06a, Bel06, BCP+08, Bor07, BBS06, CBFH20, FA21, Hal09, HMS04, IJK+06, LLW+12, MD73, MD74, Mat09, MA17, PG11, PZH13, PBB13, Sch13b, SDN09, VT14, WHSE15, YSM+21, DTW07]. **security-aware** [FA21].

**Security-focused** [BDG18]. **security-oriented** [IIK+06]. see [Yur02].

**SEED** [DTW07]. **Segment** [ELC+19]. seinen [KGG00].

**Self** [BHI15, BRX13, dOL12, SEPV19, XCSM18, BKT+19, CBLFD12, GK05, GKJ+19, KKB14, NZMK21, 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].

**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, JPT19].

**Selection** [ARRA19, EDS+15]. sequential [Clo85].

**Serialization** [BP01, BP03]. **Series** [Kee77, KAH83]. **Server**

[AAR18, Ano03a, Apr09, BE17, Bod10, Car06, CGS06, Do11, HSK17, Joo09, KSS09, KS10, KLLT18, LZ15, Lar09, LC09b, LC09a, LXZ+21, Mar08, MAK18, MG08, MG09, PZW+07, RXW+12, R+02, SWC08, WN17, ZHW+17, Zim05, Zim06, ARA20a, A+04, AGH+15b, BKR20, B+07, DBC+00, EB17, Hal08, IMK+13, KF18, LC14, LLWW18, LLS+08, LL14, LDFT12, MNT14, MM06, NTH+17, NMC18b, NMC18a, R+13, RPE12, Wal02, WDT18, YZW+13, AAI+03, Ano03a, B+07, D+04, Ham07, Lar09, MWW05, OHI+05, R+06, Rul07, R+02]. serverless [NRdA+20]. **Servvern** [Mar08]. **Servers** [DSM14, JJK+11, KAZS14, SDD+16, SKJ+17, WLV+17, A+04, BBHL08, G+05, Hal08, JDJ+06, Mly09, SZ13, YLJ22].

**Service** [AP22, AAMBE21, BB13, BCW20, BFG+14, DKW15, DPCA11, EMAL17, ESY+17, GR20, GJK18, HS21, HW12, HJG18, HPHV17, JWL+18, KBB+21, LP14, LGZ+19, LLW+16, LW20, MP16, MSC+21, PHXL19, QLL+21, RSNK17, RSGG15, VWT+17, WCC20, WHD+16, XZL+20, ZLG+20,
service-aware [TDD20]. Service-Based [LP14]. Service-centric [AAMBE21]. service-chaining [GHM +18]. Service-Oriented [HW12; MP +16; RSGG +15; Fro +13]. Serviceability [RB01]. Services [BFHW75; IEE06b; KLR +20; MSS +15; MLXG19; WC01; Wid01; ZLW18; BDS +09; HBP06; KBB11; KSLA08; LKR +19; LTZ +14; ZEdlP13]. Set [AC08; EL98; NKY +18; ZDLG17]. sets [HW15]. setter [YJZ +21]. setups [RPE12]. several [FGG14]. SGAM [ZLH +15]. SGX [VMW +19; KBC21; NBB +19]. Shadow [WLW +15; GHS16]. ShadowReboot [YK13]. share [DSS19; KNHH18]. Shared [Bro89; CH08; Cro93; KR18; Low88; RLZ +16; SLM89; SV13; SNC91; SNS03; ZLSI17; CFS +12; JGSE13; PW03; TDK17; WWS89; WDCL08; ZWKX17]. Shared-Memory [Cro93; RLZ +16; SLM89; WWS89]. shared-source [PW03]. Sharing [AGC18; ACA16; BFHW75; Cre65; CDRN02; LYGG20; Mad69; MS70; PTM +15; RG17; SAB +07; XML +18; 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]. Short-circuit [KKC +16]. 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]. Silent [AMH +16]. Silicon [ZL18a]. Silicon-Monona [ZL18a]. SILLIAC [Gre10]. Sim [Skro01]. SIMD [PSBG11a; PSBG11b; PBR +90; Sig89]. Simics [Anoa14a; MCE +02]. similarities [CL14; CL17b]. similarity [GVI13; LLF +18; LLWW18]. Simple [Bak83; Cox07; NORD15; WDT18]. Simplicity [BGPO00; DSSP06]. simplification [FS08]. Simplified [Bega12; ZZW +21; PSC +07]. simplifying [Clao05]. simulated [GE85; RH17; WDSW01]. Simulating [Ben21; HO92; Pou90; RPE12; TO91; ZR06; FPGK18; Skro01; WC91]. Simulation [ADG +92; AB16; DBMI92; JN15; KD78; Kut92; MCE +02; MBK +92; MJ93; PBR +90; PY93; SXM +18; Tur92; WB81; WWMG06; YP15; Ano94; BHvR05; Burt02; BS96; Clo85; DSSP06; IMBB20; IM93; KK79; LNJ +00; NRS92; RMB02; SK13b; SHB19; UBL +82; WWS89; YGC +19; ZSR22]. Simulations [LCT +15; BL90; DH01]. Simulator [Ben21; CK96; CRZ83; Dun86; FTNY69; PCR89; Ber86; BR01; CMP +07; DC15; GBO87; Hog02; KW80; MRL02; YPPA01; Anoa14a]. Simulators
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]. 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]. 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-80 [BMWB86, BSUH87]. Smart [Ano03b, CCW+20, GPM21, NAR19, RHV17, GLV99, MP+18, Rou07, WTLS+09]. Smartphone [EMI13, KPHA20]. Social [BLNBF+15, LWLL16]. Society [IEE90a, IEE91]. Software-Based [LZM+20]. Software-Defined [AFG+17, Ano94, Ano03a, Ano03b, AE01, AMA+14, BCG73a, BCG73b, CL17a, CPKL17, CGMD19, DBMI92, DL89, EDS+15, FML+22, Hsu01, IGBK19, JMSL92, JN15, KP99, Kna93, KAJW93, LH16, LTT92, LLW+16, LXZ+21, LZF+20, MZD+18, MP16, Ost94, Ott18, PJZ18, Pap20, Par79, PBR+90, So83, SM06, SMA18, Shr89, SAT09, SB18, SKT+19, Sta07, SCL+19, Tho93, TBS17, Win71, YHW+21, YYL+15, ZKWH17, vdK09, ACM01a, AA06, ALW15, AAB+05b, AC95, BD11, CBGM12, CFG+13, DS19, FP14, Guz01, HHSS18, HH13, HP77, LJR12, LWL16, MNT14, PV06, SV17, TK20, WZW+11, XJW+18, YJZ+12, ZWKKX17, ZLZ13, ZHCB15, CK06q, CK06k, CK06r, CK06s]. Solaris [CM18]. Software-Based [LZM+20]. Software-Defined [AFG+17, CL17a, FML+22, JN15, LXW+16, LXZ+21, MP16, SB18, TBS17, YWH+21, ZKWH17, ALW15, HHGG18, LJR12, TK20, XJW+18]. Some [Ker88, Par71, Man15b].
Synchronization [BC19, LJI+11, ZJXL11, Sub11, Uhl07, Ven97d, YQZ19].
Synchronized [KS18b].  
Synchronous [SIR+17].  
Synergy [BRS18].  
Syntax [KMMV14].  
Synthesis [DMS02, BPB86].  
Syracuse [IEE96b].  
System [ACM75, Abr80, ABC66, 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, HH+16, HWCH16, IBM76a, IN87, JAD19, Kam83, Kee77, KP15, Kutt92, LP14, Li14, LCZ+19, LCFL12, LXM+16, MCE+02, Mar73, Mat10, MNN05, MS70, MDGS98, MB98, MS91b, MM94, NSWH10, NMS+14, P+08, PHXL19, QTR21, R+06, RHV17, Sch86, SLM89, SVN+10, Shi03, Shr89, SJA+17, SWF16, Ste05, WLW+15, WK90, ZCJ+21, ZSXZ07, ZQZC16, ZLL+20, ZZF06, ZXY+15, AD18a, AEMWC+12, AL05, AH12, ACT94, AP18, Bar78, BSD19, Bor07, Caa00, CWH+14, CK06b, CK06e, CKP78, CBFH20, DHD20, DCA17, FFBG08, Fis91, Fli77, GGQ+13, HN08, HKD+13, HC12].

System [Hui18, IBM88, Int88, KB21, KCKC15, KK79, LJN+00, Lia05, LLX+17, LMDP19, LDL+08, MD73, MD74, MDFS72, NMC18b, NMC18a, PR07, 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, ARA18, ARA20b, ARA20a, BJG19, BJ20, ZJR19].

Systems [WF03].

Systemes [Han73].

Systems [ACM81, ACM03b, Ano99b, BBMA91, BH15, BDG18, BG74, CD12, CC77, CAF+91, Das91, DJ77, Fie68, Gol69, Gol71a, Gol73c, Han73, HHS18, Her10, HBL+10, IE93a, IE01, JAD19, Lar09, LW11, LJZ12, Mad69, MM93, MJW+14, MKKE12, NBB+19, NL19, PPG+17, RT93, 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, COK06a, CP17b, Com00, CGV10, CLDA07, Dav04, Don87, DJ76, DCMW17, EB17, FP14, FLCB10, GH+93, GKO5, Ham76, HKN22, HH13, JSK+13, Kee68, KCS14, Kou11, KS20b, LLE17, LWM14, LZW15, LCL14, LTK17, MRC+13, MA17, NS07, NV05, PSC+07, RVJ+01, RKT20, RZH+17, RJK16, Ros06, RGS+20].

systems [SJB14, SK13b, SSMGD10, SJJ+12, Sto07, Syr07, TMJ+21, TT93, THC+14, Vac06, Vit14, WR07, WKC+09, XZK+20, YK13].

Systemverwaltung [Lar09].

T [CZX+19].

T-Gaming [CZX+19].

Tables [MT16, MT17, WLW+15].

tackle [Sub08].

tactics [OG16].

Tail [ASSB18, WZKP19, War80].

Taipei
threshold-based [SENS16]. Thresholds [XCSM18]. Throughput [PP\textsuperscript{+}17, BCW20, GKKX13, PYYG21, GI12, ZSW\textsuperscript{+}06]. Throughput-Oriented [PYYG21]. Thunderbird [Joo06]. ticket [OL13]. Tier [LH15, WZKP19, XL\textsuperscript{+}20, WDCL08, ZNSL14]. Tiered [GGK18, AW17]. Time [Bad87, BE17, CW03, Cre65, FML\textsuperscript{+}22, Fuji91, GPM21, Hu90, HWB03, HS06, JAD19, KR18, KPHA20, LTE12, IWC\textsuperscript{+}17, LXL\textsuperscript{+}22, Mad69, MS70, NL19, PPG\textsuperscript{+}17, Sta97, WZKP19, ABR19a, AS76, AMIA19, ACT94, ABC\textsuperscript{+}07, BBS06, CGM17, DEE\textsuperscript{+}16, HK07, HcC14, Iv03, KJ13, KBB11, LD05, LTK17, MNT14, MMTM22, MA21, NBS18, PTD\textsuperscript{+}18, QT06, RAT17, SBN18, She91, Ste14, TSLBYF08, WQG15, YK13, YCL\textsuperscript{+}19, ZEdlP13, ZGL\textsuperscript{+}17]. Time-Constrained [LTE12]. time-sensitive [MMTM22]. Time-Sharing [Cre65, Mad69, MS70]. timebombs [CWdO\textsuperscript{+}06]. Times [ELC\textsuperscript{+}19, PLMA18]. Timing [Hu90, HWB03, KKS\textsuperscript{+}19, LGR14]. tiny [LC02]. TLB [OLZ16, RGSJ17]. TM [Qia99]. Tolerance [JKJ\textsuperscript{+}10, RZF19, ZJXL11, RCO12, YLH14]. Tolerant [FK03, Kim84, YWR\textsuperscript{+}14, SNV10]. Tool [Ano03b, Wil01, KK79, Lia05, Ska07, Skr01, SCFP00]. toolkit [AC98, BDG18, Cal75, GG11, LC09a, MJW\textsuperscript{+}06, PY93, QNC07, ACM01a, EL98, YYPA01]. Toolset [Ott18, PTD\textsuperscript{+}18]. top [KMT14, PBWH\textsuperscript{+}12, Won97]. topic [YZSC17]. Topics [IEE01]. topological [KKM\textsuperscript{+}13]. Topology [CYX\textsuperscript{+}17, TB17, dSdF16, AM16]. Topology-Adaptive [CYX\textsuperscript{+}17]. Topology-Aware [dSdF16]. TOPSIS [SS19]. Toronto [Sof83]. TOSCA [BSNB20, BR18]. TosKer [BR18]. Total [LGJ\textsuperscript{+}18, THG\textsuperscript{+}18]. TotalStorage [D\textsuperscript{+}04]. TPC [NP13]. TPHOLs [BW03]. TPM [KC12]. TR [Int05b, Int06c, Int06a]. Trace [MZG14, NASD21, BDE\textsuperscript{+}03, DC15]. Traces [WKG17, DD20]. tracing [BT15, PFH\textsuperscript{+}16, WK15, Wo99]. Track [Shr89]. Tracking [JADAD06a]. Tractable [KR94]. Trade [Stldb15, XZK\textsuperscript{+}20]. Trade-offs [Stldb15, XZK\textsuperscript{+}20]. Tradeoff [MTFK19, UTC13, WCY\textsuperscript{+}17]. Tradeoffs [CM\textsuperscript{+}06a, CM\textsuperscript{+}06b, CMM\textsuperscript{+}06c]. trading [LWLL16]. Traffic [BBM\textsuperscript{+}15, CCG16, CYX\textsuperscript{+}17, DK17, LXL\textsuperscript{+}22, PCW\textsuperscript{+}16, VV18, YLT19, CBJ22, FLL\textsuperscript{+}13, HH19, IKU15, LLZ\textsuperscript{+}19, MG19, WZV\textsuperscript{+}13, XHW\textsuperscript{+}19, YCL\textsuperscript{+}19]. Traffic-Aware [CGC16, CYX\textsuperscript{+}17]. traffic-intensive [IKU15]. Traffic-sensitive [DK17]. Transactional [URJ18, CMM\textsuperscript{+}06a, CMM\textsuperscript{+}06b, CMM\textsuperscript{+}06c, ZHCB15]. Transcendent [VTW16]. Transfer [HHC\textsuperscript{+}16]. transfers [DPBK16]. Transformation [WDP12]. transformations [HB08]. transient [LRC05]. Transiently [LDRS18]. Transition [MBWW86, Syr07]. Translation [AZEE17, AZEE18, JXL\textsuperscript{+}12, LH16, YVCB17, YVCB18, dGG\textsuperscript{+}17, CFG\textsuperscript{+}13, JYW\textsuperscript{+}13, Oi05, Oi06, Oi08]. translation-based [Oi05]. Translational [WDP12]. translations [UTO13]. Transmission [RSNK17, RSN\textsuperscript{+}18]. Transparent [BZA12, FK03, JKJ\textsuperscript{+}10, KKH14, MS1\textsuperscript{+}12, dGG\textsuperscript{+}17, AW17, JXZ\textsuperscript{+}10, MRC\textsuperscript{+}13, YJZY12]. Transputer
[Ano03a]. Use [AAAF21, Bec09, CLLS12, 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, Guy14, GGK19, KK79, Sch13a, SJJ+12]. use-case [GGK19]. used [tTR82]. useful [LC09a]. usefulness [SM79]. USENIX [ACM05d, Sof83, USE91, USE93, USE06]. User [Chu06, ZQCZ16, ZLZ13]. user-controlled [Sto07]. User-Level [Chu06, ZQCZ16, 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, BRX13, CQLL18, Che21, CCO+05, DBMI92, Don88, ESY+17, Guz01, HLW+10, HWHW18, JMSLM92, LJJ+00, LTT92, Mar73, MV16, MZZ20, NASD21, OLZ16, PEC+14, RSW+06, Sar01, Sec10, SM06, SC17, SYB12, SAT09, SBK15, SXCL14, TDG+18, WDSW01, WKG17, WUNK17, Wil01, Wol99, XSC13, XCSM18, ZLG+19b, dGG+17, AD18a, Agr99, ATS16, AWR05, AGIS94, BSM+12, BHvR05, BSOK+20, CL14, CPM+18, CZZW+06, Dan12, DHD20, EB20, FFBG08, FA21, FL13b, GMH+18, HKJ19, HJ10, HTAY21, HNO8, HPHS04, Hol95, JNR12, JWH+15, JGZ+13, Jnu07, KSS+20, KKM+13, KS18a, KJG+16, KGS16, KL13, Kou11, KRG+12, LDDL14, LLWW18, LQW+12, MHH19, NMC18b, NMC18a, NV05, PBL+16, Poi19, RP07, WRC21, SEM+20, SGV13]. using [SSN12, SS22, SIJPP11, SIK+16, SSH17, STFH15, SSN94, TSLBYF08, TSB19, TBF16, VGT14, WGW+18, WZZ+20, YK13, YLWH14, YFE09, YWCF15, ZLG+19, ZDLG17, ZB18]. usual [dCJR16]. UT [Ren78]. Utah [ACM01a, CK87]. Utility [LGZ+19, CSV15, JWH+15, PSZ+07]. Utility-Based [LGZ+19]. Utilization [HLBZ20, KCKC15, NL19, uRQS20]. Utilization-Based [NL19]. Utilization-prediction-aware [HLBZ20]. Utilizing [GVI13, KOY05].

vertical [BFS+18, STY+14]. Verwaltung [Zim05]. Very [RGSJ17, SSB03]. VFe [Ano05]. vGPU [LZM+20]. vGreen [DMR10]. VHDL [FS89]. VI [Int06b]. via [FL13a, GI12, GLJ16, HSK17, HB13. KJM+07, KNHH18, LF19, LLL+11, MSS+15, NGRF19, QZDJ16, RZPX19, SP83, SDD+16, TDG+18, WXJX15, YTS14, ZSW+06, vSMK+20]. viable [HW15]. viable [WR07, WR08]. vieles [Joo06]. View [GB19, KKH14, AD18a, LDDT12]. 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, AAFF1, AAR22, AAB+05a, ACL72, ABV12, Ano75, Ano97b, Ano97a, Ano97c, Ano97d, Ano00, Ano01a, Ano01b, Ano02, Ano04a, Ano04b, Ano05, fl:LW14, AE01, Apr09, Arc07, AD11, AAK18, ASSB18, Att79, Att73, AH68, ACA16, AC98, AMA+11, BWP85, BFHW75, Bai70, Bak83, BMS16, BYZZ20, BP99, BDF+03, BBTK+17, BDJdS02, BSSS14, BWF+19, BDF+99, Bee05, BCC+15, BH73, Bel06, BB13, BN75, BJ20, BHDS09, BJKPS73, BBHL08, BL17, BFG+14, BWD+15, BBM+15, Blu02, BBM09, BD01, BP01, BP03, BZD17, Bro89, BRX13, VMW+19, BBS06, BJH+16, B+07, BG73a, BG73b, BCG73a, BCG73b, BG74, Caa00, CTS+93, CW03, CWWY05, CL17a, CFH+79, CFH+80, CWL12, CFML17, CCM12, Car13, CK87, CFVP12].

Virtual [CWS12, CHCC07, CGMD19, CF00, CT03, CSS+13, CGCC16, CL16a, CL16b, Che21, CRZH15, CCO+05, CC77, Cla97, Col97, CDG97, Cox99, Cra05, Cra06, Cra98, CH78, CWG00, CWL+15, CHPY17, CYX+17, CHLY18, CDN02, Dalbx, DAH+12, Dal97, DHWP01, Dan86, DD20, DSM14, DG05, DEK+03, Den01, DK17, DMRI0, DKW15, DCM22, DF96, Do11, DGLZ+11, Dom00a, DLI9b, DJ76, DJ77, DCA04, DLS+01, EGR15, EGJS15, ECFJ+16, Eng99, EMAL17, EG01, Ert03, EMW16, EDS+15, FFB+00, FG91, Fle68, Fis01, FPS+02, (Fo71, (Fo78, Fra98, FK03, FL13a, Ga75, Gal73, G+01, GWZ16, GKSP99, Gei02, Gen86, Gol69, Gol71a, Gol71b, Gol73c, GG03, GLBJ18, Gum83, HHW+02, HHW10, HT98, Hai79, HTW+19, Han73, HML17, HM01, HA79, HH79, HB17, Hii97, HKM+18b, Hir17, Hof20, Hor73, HKKW13]. Virtual [HS13, HWB03, HS06, HB08, HPP15, IBM72, IBM73, IBM76b, IBM85, IBM88, Int88, Ian14, Ibs84a, Ivo03, JRJ9, JHS12, JJK+11, Je12, Jen79, JXL+12, JMSLM92, JQWG15, JAS+15, JN15, JJK+10, JADAD06a, JDJ+06, J02, J007, Ju007, KCWH14, KRS+17, KC16, KS08a, KS+20, KMK16, KNT02, KKT17, KKJ14, KJL11, gKEY13, KKJL14, KP15, KPH20, KAHH3, Kov19, KGZ+04, KLLT18, KLF+15, LCWB+11, LMM18, Lam75, Lau87, LW73, Law00, LW11, LP14, LSC+17, LMR18, LLW98, LGM00, LGM01, LTE12, Li14, LZL+15, LZWD15, LVM16, LWL16, LYY17, LGJ+18, LB98, LV99, LTT92, LD05, LW16, LY97a, LY97b, LY99, LYxxa, LYxxb, LYB+13a, LYBB13b, LYBB14, LHAP06, LWL10, LJ+11, LW12, LJ+15,
LLZ18, LWZ+18, LCZ+19, LPB17, LPBB+18, LFB94, Loy92, LTK17,
LXM+16, MSG14, Mac79, Mad69, Mal73, MS91a, Man15a, Man16, Mar73].

**Virtual** [MD12, MP16, MZ20, MRG18, Men03, MS70, MD97, MDxx,
MW18, MDGS98, MLG+92, MB98, MKKE12, MA21, II79, MP01, MJW+06,
MM94, NBK16, NMG15, Nel04, NAS21, NGRF19, NSJ12, NL19,
Nou92, OT97, OKAM17, Oi05, Oi06, Ob78, PTHH14, PAKY16, Par71,
Par72, PPTH72, PP73, PSBG11a, PAC+22, PHXL19, PXG+17, PMN+20,
PRB07, Pfo13, PS16, PCC+16, PK75a, Pro00, Qia99, 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, SSB+14a, SD01, Say66, Sch13a, SME01, Sch09,
Sch94b, Sch94a, Sch73, Sec10, Set13, SM02, SM03, SC17, SCEG08,
SCSL12, SMA18, Shi03, SM01, SGV12, SV13, Sim92, SCP93, Siv04, SSG90].

**Virtual** [SN05a, SN05b, SHZ+14, SB73, Sta97, SSB01,
SSB+14b, SHB+03, SVL01, Sun95b, Sun95a, SUN97, JCV99, SKI+17, Sup04,
SM02, Sur01, TSLBY08, Tai98, TT96, TTH+19, TMV12, THB22, TY14,
To98, TO96, TV12, USE01c, USE01d, USE02, UT87, UBF+98, UR15, Vag10,
VTL16, Ven97a, Ven99a, VGF16, VL00, Vog03, Vo90, WL96, WIDP12,
Wak99, WH99, Wa99, WDL+20, WB81, WLL+15, WLL+17a, Wel94,
WGLL13, WLL+19, WC05, WHD+09, Win71, WP97, Wol99,
Won97, WWM06, WLC17, WWL+17b, XKY+11, XSC13, XHL+13,
XWX15, XL+14, XL+16, XLWX19, XLL+20, YC98a, YL17, YWY+17,
YL17, YWH+21, YP15, ZWF17, ZS01, ZLW+14, ZRD+15, ZRS+16, ZL+16,
ZCG+17, ZL18b, ZLZ+19b, ZZW+21, ZCL+21, ZZ06, ZWL+18, ZLL+16,
Zho10, ZHL+16, ZLY18, ZJXL11, ZTWM17, Zim05, ZR06, Zyt94a, Zyt94b].

**Virtual** [dSdF16, vD00, vLSM01, Ågr99, AEMWC+12, ABB19a, Abr82, AS85b, AD19,
AGS10, AAH+03, AGH+15b, 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+08, BDS+09,
BHvR05, BG20, B12, BPC94, BB12, BB15, BCP+08, BCM90, BRS+22,
BPM+22, Bir94, BADM06, BFC02, BY20, Bri98, BSMB15, CARB10,
CL14, CL17b, CD14, Car14, CEG07, Cav93, CS76, CGM17, CSSE21,
CCL+17, CCL+20, CBLF12, CH08, CRB12, CK06a, CK06c, CFRSRA9,
Cof99, CV10, dCCDF015, CW0+06, CLA07, CLL+13, CD01,
DPV+09, DDS+14, DS19, DSC+08, DP11, DM93, DC15, DEG+17, DBC+00].

**virtual** [DQL15, DLH+20, Dom87, DHD20, DXX+17, DSZ11, DCW17,
DCA17, EB20, EGD03, EGK02, EG03, Ert05, EL98, EMS15, FCD09,
FLL+13, FZS+20, FS19, FM00, FA21, FBZ12, FSFP19, FMF18, Fit14,
FHL+96, FGLI15, FF96, FLM+08, FCC+05, Fret05, FX06, Fu10, GP13,
GGQ+13, GTGB14, GI12, GV13, GH20, GSK18, GJK+20, Gol73a, Gol74,
GCARPC+01, GAHL00, GPW03, GR80, GBCW00, GLQ+13, GKI+19,
GLV+10, GA18, HKS19, HM18, Ha09, HMH17, HZL+18, HJ10, HKN22,
HN08, HKB19, HZZ+14, HTB19, HUL06, HH18, HH19, HDG09, HcC14, HPHS04, Ho95, HLBB20, HSC15, Hui18, IBM94, IBM96, IRB19, IKU15, IMBB20, JSK+13, JK15, JES+15, JKK+13, JNR12, JWH+15, JC18, JGW+11, JDW+14, JGSE13, JADAD06b, dCJR16, Kal97, KOY05, KDK20, KB21, KSSG16, KS20a, KSO+15, KRC14, KS18a, KS18b, KTB17, KK21].

virtual [KBB11, KCS14, KJLY15, KCKC15, KKC+16, KNHH18, KKK+18, KMG+18, KFF12, KF18, KSS+18, Kou11, KCV11, KBC21, KR16, LBP+07, LMJ07, LBZ+11, LC02, LM99, LC14, LZC+16, LBL16, LYYY18, LFW18, LFHQ19, LXRS19, LLZ+19, LZLY20, Lia05, LJL12, LQW+12, LF19, LC13, LL14, LTZ+14, LPZ+22, LWCC22, LMMP19, Lot91, LOS04, LG93, LQD+18, MD13, MD74, MSG01, DPB16, Man15b, MS17, Man18, MRMO6, MBO09, MSA16, MS09, Mat09, MK19, MN03, MC93, McM11, MG13, MRG17, MN91, MHT+08, HMR19, MPM+20, EYGS19, MAK07, NZH20, NKK21, NK10, NOK+85, NAR19, NOR15, NV05, NIA18, OLO16, Oi08, OMB+15, ORPS09, PKS+19, PFH+16, PE11, PSEG11b, PCM05, PM19a, PDM20, PBHJ+08, PJZ+19, PCB+18, Piz17, Pon19, PRS16, PV08, Pui91, uRQS20, RK16, RKT20, RH17].

virtual [RHR20, RHR02, Raj79, RG19, RWC21, RT18, RZ14, Req03, RK18, RFBLO01, RJK+17, RGS+20, Rus08, SZKY21, SBJ14, SS13, SENS16, SBBP20, SHR19a, SHR19b, SNV10, Sch13b, SSMGD10, SEM+20, SHL13, SSN12, SJJ+12, SJW+13, SWH+13, SASG13, SLC20, SSEA18, SS19, SL00, SS22, SGGB00, SKC73, Smi97, SYMA17, JLL20, SSL+13, SPAK18, SMA+10, Spi06, Ste14, SSU+12, Str13, SZL+14, SK13c, SLA+16, SHTE11, Syr07, TSK17, THH+14, TMLL14, TDD20, TSH19, Tay76, TK20, tTR82, TGFC08, THG+18, TIIN09, TMMVL12, TB14, TDG+06, Tsa14, TTbCe13, Tur84, Vac06, Van98, VT14, Ven96, Ven97b, Ven97d, Ven99b, VED07, VBV13, VWT13, WFG11, WKT08, WRX11, WZW+13, WQG15, WKJ15, WHC16, WCY+17, WXZ+19, WXY+19, WZW+20, WGY20, WR07, WDT18, Web10].

virtual [WK08, WLG+11, WH20, WH08, WCO06, WLL+13, WW77, WSY09, WRSvdM11, WRS+15, WC21, XNH21, XCJ+14, XHH+19, XHCL15, XJWW15, XZZ+16, XWX+17, YY3Y17, XT17, XLQL18, XWLZ18, XJW+18, XZK+20, XA22, YC98b, YME05, YZW+13, YLH14, YLHJ14, YPLZ17, YCL+18, YW20, YGLY21, YBZ+15, YCC+19, YLK+10, Yel99, YFW09, YSM+21, YLJ22, YC16, YRJ18, YMY17, YGN+06, YWGH13, YQZ14, YQZ19, YTY00, ZG13, ZKW16, ZWX17, ZYZ+18, ZBH+05, ZLZ15, ZLH+15, ZWGC17, ZHC17, ZFY18, ZWC+19, ZLZ+19a, ZJR19, ZBP05, ZBP07, ZWL09, ZLW+19a, ZL13, ZLL13, ZWH+17, ZLC18, ZSRR22, ZWC+14, dSOK17, AGIS94, BPB86, CB122, Cza00, Fuj91, GKP+19, GHM+18, KM13a, KM13b, McC74, Mon97, PEC+14, Ros99, VED06, Wel02].

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Virtualisierungs-Buch [Tho08]. Virtualisierungs-lösung [See08a].
Virtualisierungs-lösungen [PO09]. Virtualisierungs-software [Zim05].
Virtualisierungs-systemen [Deu08]. Virtualitäten [Den01]. Virtualizable
[GG72, HH13, PG74, PG73]. Virtualization [AFG+17, AJM+06, AP22,
AAJD+16, AVNR19, ASL+20, AAMBE21, ADWM18, APST05, Ano03b,
AvMT11, Bac11, BE17, BLMP22, BJG19, Ble10, BHEP14, BDR+12, CZL08,
CLS07, CGS06, CHW12, CXLX15, CWH+16, CQLL18, CD12, CDD13,
cCWS14, CLLS12, Chu06, Coh10, Cre09, Cre10b, CGW07, DLLN18, DMS02,
DW14, DPCA11, DLM+06, Don06, DMG+15, DY17, ECET18, EMAL17,
ELC+19, FPR+06, Fer11, FDF05, FRD+08, FLZ17, Gal09a, Gal11, GHS17,
GW07, GCL+21, Got07, GG11, HD16, HWF07, HTAY21, Her06, HH10,
HHC+16, HSN17a, HSN17b, HDM08, HSL17, HB12, HW12, JAD19, JW17,
KHW+16, KLY20, KS08a, KMM13, KR18, KS08b, KKS+19, KGS16, Kot10,
Kot11, KC12, KLR+20, LHI16, LWC+17, LXL+22, LLW+16, LRZ16,
LZW+17, LYGG20, LCFL12, LDDT12, MZD+18, MDZ+21, MCC18, MA10,
MCZ06, MUKX06, MA17, MGL+17, MWHH05, NTR18, NSL+06].
Virtualization [NNK+06, NFP16, OVI+12, PZW+07, PHL+12, Pap20,
PM19b, PZH13, PYGG21, PYDG22, Pvd08, PNT12, PST+15, QNC07,
QTR21, RC18, RSW+06, RCM+12, R+06, RTL+18, RZPX19, RRK17,
RWX+12, RR09, SADP21, Sed07, SM06, SGB+16, SYB12, SABL20, SAT09,
SIJP11, SYC14, SWF16, Spr07, Sta07, SKY16, Swa06, THL10, TF16,
Tre05, UNR+05, Uhl06, UVL+13, VN06, VN08, WBB+16, WDC08,
WWH+16, WTZ19, WC01, WG07, WHD+16, WH05, WLY+17, XH16,
XYD+18, XML+18, YSS+17, ZXXZ07, ZQZ16, ZYH+19, ZSP+21, ZZW+21,
ZZF06, ZAI+16, ZX+15, ZL+19b, ZKWH17, dGG+17, vMAT14, vdK09,
AA06, AKK+07, AAF+09, A+04, AH12, AMIA19, ALW15, AJD09, Ano14c,
Ano15, AKCP21, Apr09, AAB+05c, AEB19, ABB+19b, AA18, ABB+15,
BDF+03, BBD+10, BSL+18, BRH10, BKR20, B+05, BB08, Bor07, BH13].
virtualization [BC10, BTLNF+15, BSM08, B+07, CPM+18, CSS11,
CMG+19, CBER09, CDM+10, CFG+13, CWH+14, CL15, CCZ+06,
CGL+08a, CGL+08b, CGL+08c, CB10, CMM+06a, CMM+06b, CMM+06c,
Cia07, Cia05, CBFH20, CM18, CKT08, Cre08a, Cre08b, Cre10a, CB07,
DLD+16, DBO+18, DYL+12, DCP+12, DSO9b, Dre08, EdPG+10, ECAE13,
FFBG08, FP14, FJIK17, FLB10, FS08, Fr03, FK13, FSH+13, GMK17,
GLA+08, G+06, G+05, GTN+06, GAH+12, GKT17, HLW+10, Hal08, Han16,
HI16, HHS18, HPC04, HC12, IJK+06, ISE08, IMK+13, IPSR21, J+05,
JM08, JXZ+10, JJZZ13, Kao17, KVV09, KSR10, KKB14, KWZ+19, KL13,
KS02b, Kro09, LDP+11, LD11, LUL+05, LLL17, LLW+12, LZWC13,
LLY+18, LLX+17, LLYZ15, LQW+12, LCL14, LW16, LRP+19, LLS14,
LP11, LDL+08, MG19, MB21, MR06, MSI+12, MDD+08, MIS+05,
MBA+12, MPA+18, MBBS13, Mly09]. virtualization
[MMG+18, MR06, NTH+17, NRDa20, NB11, P+08, PD11, PBB13,
PFNC20, QZDJ16, RSC+15, RS16, RQD+17, Rix08, RSLA03B16, Ros06,
Rou07, SVN+10, SJRS+13, SwcCM12, SIRP17, SPF+07, SHB19, SWW+18,
SAB+07, SWC08, 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, YLH+14, YLWH14, YLTF20, YXL+20, Yu20, ZEdlP13, ZSR+05, ZSW+06, ZLZ13, vD06, vH08, Gua14, BCZ19, MCJ19, YWL18.

**Virtualization-Aware** [LXL+22]. **Virtualization-Based** [CDD13, KLR+20, AAJD16, DPCA11, MCC18, WDCL08, CGL+08a, CGL+08b, CGL+08c, LLX+17, QZDJ16, TSCB19].

**virtualization-driven** [CSSS11].

**Virtualization** [BTMS10, Sar16, SB10, SVL01, WRS13].

**VirtualKnotter** [ZWC+14].

**Virtually** [Say67, Spi06, WL96, Tre05].

**VirtualPower** [NS07].

**virtuelle** [WF03, WR07, WR08, Zim05, Zim06].

**virtuellen** [CK06a, CK06c, CK06d, CK06g, CK06h, CK06j, CK06k, CK06n, CK06l, CK06m, CK06o, CK06p, CK06q, CK06r, CK06s].

**Virtuelles** [AH68, Han73].

**Virtuoso** [DGLZ+11].

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**Vision** [Arm78].

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**Visualization** [Nel04].

**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, GH12, GM20, HMK+18a, HKJ19, HXZ+16, HC12, HW15, IBM94, JFPL16, JFZL17, KN18, LPSS19, LYY+20, LBF12, LJJ12, LWLL10, MSS91, MLA83, MA19, NOK+85, NS17, Olb78, OJG91, P+08, PD20, PG17, PG18, RAT17, RSNK17, RJS+18, STMV18, SSG+20, SHW+15, SM79, SBK15, SNC19, SdlBB15, TB17, TUM18, TV18, Var91, Wall0, WHBN18, XCSM18, YZLQ14, YKM17, YJZ+21, YWR+14, ZFL15, ZWFX17, ZDLG17, ZLSI17].

**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** [LB12].

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**VM/Pass** [MLA83].

**VM/Pass-Through** [MLA83].

**VM/XA** [BN89, Boz89, IBM94].

**VMBackup** [ZXW16].

**vmBBProfiler** [TZK17].

**VMMbuddies** [LH15].
VMDFS [SSEA18]. Vmgen [EGKP02]. VMM [LLF+18]. 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]. VMOR [MKKE12]. VMgen [LLF+18]. 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]. VMWare [Joo06, CK06f, Ham07, Khn09, KGG00, Tho08, Zim05, Zim06, Bas04, Bas06, War05, Wil01, AHH+03, Ano03a, Ano03b, Ano07, BBD+10, Ban06c, Bor01, BDR+12, CK06f, Com00, Com03, DS09b, D+04, Gal09b, GKB+B15, Hal08, Hal09, Her10, HMS17, IIPB09, Kis08, KMK10, Lav10, Low08, Low09, Low11, LMG+14, MRM06, MBM09, McC08, MWHH05, MJW+06, N01a, N01b, NL00, OH05, PPS+18, Ros99, R+02, Sec10, SIK+B+16, SLL01, Ten17, TH10, Wal02, Wal99, War02, WF03, War11, Zim05, Zim06, B+07]. VNC [RSLAGCLB16]. VNET6 [GLQ+13]. VNE [WBW+19]. VNE-TD [WBW+19]. VNF [LKIL19, LW20, XZL+20, ZJRW19]. Vol.II [Shr89]. VOLatile [AMH+16, HN08, WZL+18]. Volatility [WZL+18]. VORstellung [CK06b, CK06e, CK06c, CK06d, CK06g, CK06f, CK06k, CK06m, CK06l, CK06n, CK06o, CK06q, CK06r, CK06s]. VSched [LD05]. vSDN [ZWZ20]. vSFC [ZLZ+21]. Vshadow [WLW+17]. vSIM [RPE12]. vSphere5 [Low11]. VSwapper [ATS14]. vSwitch [TSP17]. Vulnerabilities [RY10, YSM+21]. Vulnerability [CRZH15, Ano99a, JKDC05, PM19a]. vulnerability-specific [JKDC05]. Vulnerable [JSHM15, JAS+15].
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Anonymous:2004:PTV


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Anonymous:2006:PGI

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