

# Index

- addDevice 108, 134–5, 354, 356
- AdministrativeStateType 18, 48–51, 55, 57
- adminState 108–10, 112–21, 124, 126, 132–3, 347, 350, 369, 397, 399
- AdminType 18, 108–10, 112
- AEP 14–16, 38, 199–200, 227, 256
- AggregateDevice 18, 41, 107–9, 111–14, 121, 134–6, 140, 142, 238, 354, 356, 369–71
- allocateCapacity 92, 108–9, 118–19, 186, 190, 222, 230, 400
- allocation 31, 34, 57, 91–2, 107–9, 116, 118–20, 124, 159, 162–3, 203, 218–19, 222, 230, 273, 320, 353, 359, 361, 389–91, 407, 419, 425
- AlreadyConnected 154, 176, 347
- any type 312–13, 325, 338, 341, 343, 376
- API 8, 10, 14, 15–17, 52, 105, 222, 304, 343, 405
- Application 3, 5, 10, 15–19, 22, 28–34, 41–2, 47, 92, 106, 130–1, 148, 151–3, 158, 164–6, 170, 183–202, 205, 221, 227, 253–5, 257, 262, 274, 275, 278, 292, 301, 303–5, 311–12, 316, 322–3, 328–9, 336, 347, 349–51, 353, 357, 359–66, 370, 373–6, 378–80, 383–424
- Application Environment Profile, *see* AEP
- Application Programmer Interface, *see* API
- Application Specific Integrated Circuit, *see* ASIC
- Application\_\_get\_profile 363
- applicationFactories 152, 155–7, 171, 355, 373–4, 395, 421
- ApplicationFactory 18, 41–2, 59, 107, 118, 148, 151–2, 155–6, 158, 164–6, 169–71, 183–91, 195–6, 201–3, 215, 221–2, 224, 226, 245, 338, 349, 355, 360–2, 372–4, 378–81, 384, 386, 392–6, 421–3
- ApplicationFactory\_\_get\_name 395–6, 421–2
- ApplicationFactorySequence 152, 156, 395, 421
- ApplicationInstallError 153
- applications 4–6, 9–14, 19, 21, 23, 25, 34, 38, 42–3, 45, 47–8, 63, 83, 86, 92, 95, 105, 118, 120, 129, 151–3, 155–8, 195, 199, 215–16
- ApplicationSequence 151–2, 156, 421, 423
- ApplicationUninstallationError 153, 169–71
- ASIC 3–4
- assemblycontroller 187, 196, 243–4, 385–7, 417
- asynchronous 19, 255, 260, 300, 303, 337
- AvailabilityStatusType 18, 48–9, 51, 55
- AVAILABLE\_SPACE 65, 70–1, 179–80

- background 263, 266–73, 419
- bind 301, 316, 319, 326, 334–6, 403–5, 411, 413, 417–18
- BindingIterator 326, 331–3
- blocking 263–5, 268, 270–2, 282, 293, 299, 313, 317, 416–17
- CCM 6, 10
- certification 205–11, 262
- CF 4, 9–10, 13–19, 21–5, 28, 35, 37, 40–1, 44–5, 58, 64, 106, 118, 151, 158, 160, 171, 178, 183, 195, 201, 203, 205, 216, 239, 253–6, 258, 262, 274–5, 304, 310, 312, 322, 325–9, 334–9, 343, 345, 349, 351, 355, 357, 359–61, 363, 365, 367, 370, 376, 378, 379–81, 383–425
- ChangeEvent 338, 341–2, 346
- clearLog 48–9, 56–7, 63
- close 73, 75–6, 79–80, 253, 257, 260, 273, 283, 300, 327
- Common Object Request Broker  
Architecture, *see* CORBA
- componentDevices 193–5, 363, 365, 370, 381
- ComponentElementSequence 193–5, 362
- ComponentElementType 18, 192–4, 362–3
- componentfeatures 230–1, 408–9, 419–20
- componentfiles 235–8, 243–4, 385–7, 406, 417–18
- componentImplementations 193–5, 363, 381
- componentinstantiation 141–3, 172–3, 175, 187, 191–2, 195, 237–9, 244–6, 328–9, 336, 365, 369, 375, 381, 385–8, 406, 417, 418
- componentinstantiationref 243–4, 247–9, 386–7, 417
- componentplacement 236–8, 244–6, 385–7, 406, 417
- componentProcessIds 193–4, 363, 365, 381
- ComponentProcessIdSequence 192–4, 362
- ComponentProcessIdType 18, 192–3, 362–3
- componentproperties 238–9, 245–6
- componentrepid 230–1, 408, 419
- componentresourcefactoryref 191, 238–9, 245
- componentsupportedinterface 246–9
- compositeDevice 107–9, 111–12, 114–15, 121, 369–71
- compositepartofdevice 237–8
- configurationkind 223–4
- configure 17, 21, 31, 52, 59, 64, 84, 90–2, 130, 137, 142–3, 151–2, 187–8, 191–3, 195–6, 206, 218–19, 221, 223–4, 239, 246, 290, 312, 359, 394, 396, 399, 407–8
- connectinterface 246–7, 417–18
- connections 14, 28, 45, 59–60, 79, 99–103, 105, 159–60, 162–4, 172–3, 176–7, 183, 185, 187–8, 191–2, 196, 201–3, 235–6, 239, 243–4, 246–7, 307, 317, 320, 337, 345, 349, 364, 370, 378–9, 383, 387, 397, 404–6, 408, 411, 417–18
- connectPort 99–103, 399–400, 411, 423
- copy 64, 67–9, 123, 125, 133, 206, 243, 247, 288, 301, 335, 384, 393, 401, 404–5, 410
- CORBA 6, 10–18, 23, 25, 43, 45, 48, 56, 60, 63, 70, 87, 89, 97–9, 101–2, 106, 112, 121–2, 127, 135–40, 142–3, 145, 147, 149, 157–9, 167, 169, 174–5, 188, 194, 197, 199–200, 205, 230, 239, 242, 244–6, 253–5, 277, 303–17, 319–23, 325, 327, 329–35, 337, 341–5, 348–52, 359–425
- CORBA Components Model, *see* CCM
- CORBA\_free 332–3, 349, 352, 360–1, 364, 395, 415, 421
- Core Framework, *see* CF
- \_\_create 308, 344, 399–400, 403–4, 410–11, 416
- create\_thread\_policy 415
- CreateApplicationError 184, 189, 191
- CreateApplicationRequestError 184, 189, 191
- CREATED\_TIME 65

- createResource 84, 95–7, 188, 191, 222, 224, 335
- CreateResourceFailure 96–7
  
- DataType 18,64,84, 108, 375–6, 396
- DCD 15, 18, 25, 137–44, 159–60, 162, 216, 235–6, 238–9, 328, 355, 365, 367, 368, 371, 381, 397, 405–6
- DCE 219, 226, 313, 335, 362
- deallocateCapacity 108–9, 119–20, 222, 400
- dependency 201–2, 222, 229–30, 388–90, 419
- deployondevice 141, 237–8
- Descriptor file 185, 217, 226, 230, 244
- destroy 43, 48–9, 56, 58, 197, 279–80, 283, 286, 289, 294, 296, 326, 331, 333, 337, 345, 348–9, 399–400, 415
- Device 14–18, 22–7, 31, 37, 41–2, 45–7, 92, 105–22, 124, 126–8, 130–46, 148, 150, 152–4, 158–63, 166, 168–9, 186, 189, 191, 194, 203, 215–19, 222, 230, 232–3, 235–9, 248, 253–4, 258, 274–5, 327, 328, 334, 336, 338, 347, 349–50, 355–6, 366–71, 374, 378–81, 391, 397–409, 418
- Device Configuration Descriptor, *see* DCD
- Device Package Descriptor, *see* DPD
- Device\_\_get\_label 368, 400–1
- DeviceAssignmentSequence 18, 184, 189, 191, 193, 195, 362, 395–6, 421–2
- DeviceAssignmentType 362–3
- deviceconfiguration 138–9, 235–7, 239, 367, 381
- deviceConfigurationProfile 137–9, 141, 366, 381
- DeviceManager 18, 41, 56, 121, 135–50, 152–4, 156, 158–63, 166–8, 171–3, 178–80, 182, 219, 221–2, 224, 230, 235–7, 239, 338, 354, 356, 366–8, 372–4, 379, 381, 398, 400, 403, 405
- DeviceManager\_\_get\_fileSys 366
- DeviceManagerNotRegistered 153, 161, 163, 171, 173
- deviceManagers 151–3, 155–6, 159, 161, 168, 173, 355, 373–4
- DeviceManagerSequence 152–3, 156, 372
- devicemanagersoftpkg 235–6, 241
- devicepkg 232–3
- devicepkgfile 237–8
- devices 5, 14, 17, 23, 28, 31, 34, 41, 45, 63, 83, 86, 92, 105–8, 112, 114–15, 118, 121, 123, 126, 129, 134–6, 139–41, 150–1, 184, 186, 189–90, 194, 197–8, 203, 215, 222, 230, 234–5, 254, 304, 328, 347, 355, 359–60, 364–5, 367, 369, 370, 379, 386, 391, 396–8, 425
- devicethatloadedthiscomponent 248
- deviceusedbythiscomponent 248
- Digital Signal Processor, *see* DSP
- disconnectPort 99–100, 102–3, 399
- Distributed Computing Environment, *see* DCE
- DMD 15, 155, 157–8, 215–18, 222, 232, 241, 249, 346, 353, 361, 373, 381
- DO 178 263, 321
- Document Object Model, *see* DOM
- Document Type Definition, *see* DTD
- DOM 28, 216
- Domain Manager Descriptor, *see* DMD
- Domain Profile 6, 14–15, 17–19, 22, 28–31, 34–5, 40, 85, 171, 200, 203, 312, 335, 361–2, 369, 378, 380–1, 405–6
- domainfinder 159–60, 188, 242, 247–8, 353
- DomainManagementObjectAddedEvent Type 18, 46–7, 160, 162–3, 165–6, 172, 188, 191
- DomainManagementObjectRemovedEvent Type 18, 46–7, 167–70, 174, 198
- DomainManager 16, 46–50, 56, 59, 112, 116–17, 141, 143–9, 151–78, 190, 201, 203, 217, 219, 226, 230, 235–7, 239, 241–3, 247–8, 328, 335, 338–40, 343–7, 349, 353, 355–6, 360–1, 371–3, 379–81, 383, 394–5, 420–2
- DomainManager\_\_get\_identifier 372

- domainmanagerconfiguration 155, 157, 241, 381
- domainManagerProfile 152, 155, 372, 381
- DPD 18, 217–19, 232–3, 238, 365
- driver 122, 254, 274
- DSP 3–5, 8, 10, 12, 16, 38–9, 101, 106, 108, 122–3, 125, 136, 303
- DTD 111, 166, 216–17, 384–90, 408
- Dynamic Invocation Interface (DII) 253, 312–13, 321, 380
  
- Event Channel 19, 22–3, 25–6, 338–40, 344, 346, 348–9, 355–7
- Event Service 18–19, 25, 42, 44–6, 167, 169, 191, 253, 325, 336–50, 355, 379
- exec 132, 190, 262, 272, 275, 407–8
- execparam 140, 142, 187, 190, 218, 222, 246, 408, 413
- executable 122–3, 262, 278, 280, 288, 295, 304, 309, 345, 384, 386, 390–3, 398, 400, 407, 419, 423
- ExecutableDevice 18, 41, 107–8, 127–33, 190, 192, 194, 196, 222, 262, 272, 347, 365, 389, 391, 419
- execute 5, 21, 24, 31, 72, 85, 108, 127, 130–3, 140, 142, 186–7, 190, 200, 220, 222, 229, 235, 255, 259, 262, 266, 270, 285, 290, 336, 347, 394, 405
- ExecuteFail 129–33
- exists 43, 64, 67–9, 72, 75, 97, 112, 160, 163–4, 167, 169, 173, 175, 181, 304, 319, 389
- eXtensible Markup Language, *see* XML
- externalports 199, 243–4, 249
  
- factoryparam 187, 191, 218, 222, 224, 246
- Field Programmable Gate Array, *see* FPGA
- File 15, 18–19, 22–7, 37, 41–2, 63–4, 67–70, 72, 75–81, 122, 133, 137, 139, 167, 178, 199–200, 217–18, 220, 226, 243, 253, 274, 335, 355, 389, 391
- FileInformationSequence 64, 66, 73
- FileInformationType 18, 66, 72–3
- FileManager 18, 41, 63, 140–1, 151–2, 155–9, 161, 164, 178–83, 195, 200, 239, 373–4
- fileMgr 152, 155–6, 158, 161, 168, 355, 373
- fileName 67–72, 76–7, 123–7, 179
- filePointer 75–80
- fileSys 138–41
- FileSystem 18, 37, 41–2, 63–75, 77, 80, 108, 123–5, 133, 136–41, 149, 152, 156, 159, 161, 165–6, 168, 178–83, 200, 237, 239, 274, 366–8, 376
- filesystemname 236
- FileType 18, 66–7
- findby 241–2, 246–9, 417–18
- foreground 263–73
- fork 262–3, 272, 275, 404–5
- FPGA 3–5, 8, 10, 15–16, 18, 31, 38–9, 94, 101, 105–8, 122–3, 125–6, 136, 359
  
- General Inter-ORB Protocol (GIOP) 305, 308, 317, 345
- General Purpose Processor, *see* GPP
- getAdministrativeState 48–9, 54–5
- getAvailabilityStatus 48–9, 54–5
- getComponentImplementationId 148–9
- getCurrentSize 48–9, 54–5
- getLogFullAction 48–9, 54–5
- getMaxSize 48–9, 54
- getMounts 178, 182–3
- getNumRecords 48–9, 54–5
- getOperationalState 48–9, 54–5
- getPort 84, 86–7, 100, 137, 193, 199, 335–6, 355, 378, 399–401, 411, 423
- getRecordIdFromTime 62–3, 353
- GPP 3–5, 8, 10–12, 15, 27, 33, 38–9, 83, 94, 106, 108, 118, 122, 125, 128–9, 190, 216, 265, 369–70
- Ground Mobile Radio (GMR) 8
  
- Handler 300, 310, 313, 329–30, 347–9, 392, 404
- High Assurance Internet Protocol Encryption (HAIPE) 263
- hostcollocation 244–5, 386–7
- humanlanguage 228–9
- hwdeviceregistration 232–4

- identifier 58–9, 84, 93, 95–6, 102, 112–13, 116–17, 137–41, 152, 155, 157, 159–63, 165–73, 175, 183, 185–8, 190–1, 198, 200, 227, 230, 232, 235, 237, 249, 336, 361, 362, 365, 367
- IDL 6, 8, 12, 14, 19, 25, 38–9, 41, 47–8, 60, 63, 67, 83, 87, 99–100, 120, 122, 124, 158, 199–200, 219, 227, 231, 253, 262, 305–9, 311–13, 319, 339–40, 345–7, 361, 363, 376, 380, 387, 397–400, 408–10, 419–20
- IDM 45, 113, 116–17, 157–8, 338–41, 345, 349–50, 355, 379, 397
- Incoming Domain Management, *see* IDM
- Infrastructure 5, 425
- inheritance 261–2, 290, 312–13, 320, 360, 399
- inheritsinterface 232, 409, 420
- initialize 84, 88–9, 142, 187, 191, 193, 196, 399–401
- InitializeError 88–9
- inout 61–3, 70, 85–6, 90, 319, 376
- installApplication 152–3, 156–8, 164–6, 185–6, 203, 350, 353, 356, 380, 383–4, 391–2, 422
- Institute of Electrical and Electronic Engineers (IEEE) 256–7, 277
- Interface Definition Language, *see* IDL
- Interface Repository (IR) 310–14, 321
- International Electrotechnical Commission (IEC) 256–7
- International Organization for Standardization (ISO) 256–7
- Internet Inter-ORB Protocol (IIOP) 305, 308, 313, 345, 408
- Interoperable Object Reference, *see* IOR
- InvalidCapacity 109, 118–20
- InvalidConfiguration 89–91
- InvalidEventChannel 154
- InvalidFilePointer 77, 80–1
- InvalidFileSystem 18, 178, 181–2
- InvalidFunction 129–32
- InvalidIdentifier 153, 169–71
- InvalidInitConfiguration 184, 189, 191
- InvalidLoadKind 123–5
- InvalidOptions 130–2
- InvalidParameters 129–32
- InvalidPort 101–3, 354
- InvalidProcess 129, 133
- InvalidResource 95, 98
- InvalidState 109, 118–20, 123–7, 130–3
- IOException 76, 78–9
- IOR 140–4, 186–7, 190, 200, 308, 311, 320, 325, 327, 330–1, 336, 344–6, 350, 353, 366–8, 373–4, 380, 400, 403, 416, 422
- jar file 384, 393
- Joint Program Office, *see* JPO
- Joint Tactical Radio System, *see* JTRS
- Joint Test and Interoperability Command, *see* JTIC
- JPO 7–9, 205, 207–10, 350
- JTIC 205, 210
- JTRS 7–9, 11, 13, 16, 205–8, 210–11, 304, 308, 320, 322, 350
- KERNEL\_MODULE 122
- Label 142, 381
- LAST\_ACCESS\_TIME 65
- LifeCycle 18, 40–2, 83–4, 88–9, 92, 120, 187, 191, 193, 258, 321, 408–9, 419–20, 422
- Linux 123, 129, 148, 256–75, 280, 292–3, 295, 307, 390, 407, 419
- load 10, 12, 21, 25, 29–31, 40, 42, 107–8, 122–7, 129, 133, 148, 186, 198, 222, 227, 230, 235
- LoadableDevice 18, 41, 107–8, 121–7
- LoadFail 123–5
- LoadType 18, 108, 122–4
- localfile 226–30, 233, 236–7, 241, 243–4, 369, 385–8, 390, 406–7, 417–18
- Log 8, 17–19, 22–7, 37, 42, 47–51, 53, 55–7, 59–62, 136, 139, 146, 148, 162, 167, 253, 295, 325, 327, 379, 407
- Log Service 8, 17–19, 23, 25–6, 47–51, 53, 55–7, 59, 61, 136, 139, 146, 148, 253, 325, 327, 343, 347, 350–7
- LogAdministrator 18, 48–50, 56
- LogConsumer 18, 48–9, 61
- LogFullActionType 18, 48–9, 51, 55, 57

- Logical Device 17, 254, 274
- LogLevel 18, 49–51, 58, 377
- LogLevelType 18, 51–2, 58–9
- LogProducer 18, 48–9, 52, 58, 60, 62, 191
- LogRecord 49–50, 52–3, 58, 60–1, 351–2
- LogRecordType 18, 48, 53–4, 351–2
- LogStatus 18, 48–9, 53–4
- LogTimeType 18, 53–4, 62
  
- memory leak 281, 310, 329, 333, 361
- memory management unit (MMU) 262, 277
- message queue 260–72, 274, 278, 283, 293, 304
- minimum CORBA 253, 310–17, 321–2, 343, 348, 380, 415, 417, 423
- MIPS 390
- mkdir 64, 74–5
- Model Driven Architecture (MDA) 308–9
- MODIFIED\_TIME 65
- mount 125, 140–1, 159, 165, 178–83
- MountPointAlreadyExists 18, 178, 181–2
- MountSequence 18, 178, 180, 182
- MountType 18, 178, 180
- mq\_ 263–72
- multi-threaded 284, 301, 314, 316, 365, 414–16, 425
- mutex 277–8, 285–90, 293, 295–9, 320
  
- Name Context, *see* NamingContext
- Name Service, *see* namingService
- NameComponent 43, 326, 344, 372, 374–5, 392, 394, 403, 413, 420
- namespace 265, 336, 397
- naming graph 325–7, 330, 333–4, 345
- naming service 15, 18–19, 24–5, 42–4, 157–8, 190, 194, 197–8, 200, 237, 239, 242, 246, 253, 321, 325–36, 353, 359–60, 363–4, 371, 373–4, 376, 379–80, 391–2, 396–7, 404–6, 411, 417–18, 423
- NamingContext 43, 326–36, 404–5, 413, 418
- namingService 218, 230, 236, 238–9, 242, 244–5, 248, 329, 336, 371, 417–18
- nanosleep 264–8, 270, 272, 285, 288, 295, 352, 384, 412–14
- NonExistentMount 18, 178, 180, 182
- NotConnected 154, 177
  
- Object Management Group, *see* OMG
- object-oriented 6, 277–8
- Object Request Broker, *see* ORB
- ObjectAdded 325, 338, 341, 346, 349–50, 356
- ObjectRemoved 325, 338, 341–2, 346–7, 350
- OccupiedPort 101–2
- OE 9, 13–14, 15, 17, 38, 43, 45–6, 80, 89, 201–2, 205–10, 229, 253, 255–7, 274, 321–2, 383
- OMG 7–8, 18, 25, 38, 43–5, 47, 308–9, 311, 314, 322, 325, 336–7, 339, 350
- oneway 60, 100, 319, 398
- OO 6, 305
- open 52–3, 64, 69–70, 77, 125, 131, 133
- Open Group 256–7, 322
- Operating Environment, *see* OE
- Operating System, *see* OS
- operationalState 49–51, 55, 108–9, 116–20, 124, 126, 132–3, 350, 369, 397, 400
- OperationalStateType 18, 48–50, 55
- OperationalType 18, 108–10, 117
- ORB 6, 13–16, 38, 89, 140, 205, 253, 254, 256, 303–23
- ORB\_init 311, 329, 343, 391, 414–15
- ORB\_run 308, 336, 345, 348, 404, 416
- ORB\_shutdown 348
- ORBit2 256, 311, 321, 327, 339, 345, 414
- OS 4, 13–15, 16–18, 19, 23–5, 27, 33, 38, 43, 57, 63, 65, 67, 72, 77, 94, 105–6, 118, 121–3, 125, 127–33, 140–1, 149, 190, 198–9, 200, 205, 227, 229, 253–74, 277, 293, 295, 310, 317, 319, 321–2, 365, 407
- Outgoing Domain Management (ODM) 45, 157–8, 160, 162, 165, 167, 169–70, 172, 174, 188, 191, 198, 338
- overload 393

- PartialConfiguration 90–1
- partitioning 186, 236–7, 243–6, 385–7, 406, 417
- Platform Independent Model (PIM) 309
- Platform Specific Model (PSM) 309
- POAManager 343, 415
- Policy object 315
- port 5, 18, 41–2, 86–7, 99–103, 137, 199, 207, 232, 247–8, 258, 336, 354, 378, 397–8, 401–5, 409–11, 413, 416–20, 423–4
- Portable Object Adaptor (POA) 305, 308, 311–21, 341, 343–5, 348–9, 399–404, 410, 412–17
- Portable Operating System Interface for Unix, *see* POSIX
- PortSupplier 40–2, 83–4, 86–7, 92, 100, 136, 152, 193, 258, 408–9, 419–20, 424
- porttype 231–2, 409, 420
- POSIX 8, 14, 16, 38, 54, 73, 131–2, 199–200, 253–75, 277–301, 304, 320, 322, 351, 354, 365, 383, 405
- POSIX thread 259–75, 277–300
- priority 128, 131–2, 140, 142, 186, 228–9, 259–61, 275, 277, 279, 290–5, 299, 304, 319–20, 355
- priority inheritance 261, 290, 320
- priority inversion 261, 320
- PRIORITY\_ID 128, 130–2
- profile 19, 28–30, 32, 93, 111, 124, 137, 139, 155, 161–2, 164, 166–7, 169, 185, 189–91, 193–5, 197, 216–17, 346, 353, 361, 363–8, 371–2, 378–81, 383–4, 391, 399, 401–2, 406–8, 420, 422
- programminglanguage 228–9
- Properties Descriptor 18, 85, 218, 219–21, 223
- Properties File (PRF) 217, 389, 391
- propertyref 201–2, 218, 228–30, 389–90, 419
- PropertySet 41–2, 83–4, 89, 91–2, 136–7, 152, 188, 192–3, 219, 258, 312, 360, 373, 375–6, 408–9, 419–20
- provides port 379, 397, 412, 414, 418
- providesport 244, 246–8, 418
- Pseudo Interface Definition Language (PIDL) 311–13, 317, 320
- pthread\_attr\_t 277–82, 286, 290–1, 294, 297, 412
- pthread\_cond\_ 296–9
- pthread\_condattr\_ 261, 277, 296
- pthread\_create 263, 278–82, 286, 288, 292–7, 412
- pthread\_key\_ 277, 300–1
- pthread\_mutex\_ 277–98
- pthread\_mutexattr\_ 258, 261, 277, 289–90
- \_push 300, 337–41, 343, 346, 347
- pushOctet 378
- pushPacket 100, 378
- PushPort 361, 398, 409
  
- query 44, 64, 70–1, 84, 90–1, 137, 152, 178–80, 193, 195–6, 219, 221–2, 224, 280, 290, 294, 312, 359, 363, 372, 375–6, 399, 423
  
- read 25, 50–1, 69–70, 75–8, 80, 163
- real-time CORBA 304, 319
- registerDevice 137–8, 140, 143–4, 146, 152, 161–3, 349, 354, 356, 379, 405
- registerDeviceManager 152, 157–60, 349, 354–5
- registeredDevices 121, 138–40, 143–4, 146–7, 149, 153, 158–9, 367–8
- registeredServices 138–9, 145–8, 159, 367–8, 381
- RegisterError 154, 158, 160–1, 163–4, 171, 173–4
- registerService 137, 145–6, 152, 157–8, 171–5, 335, 350, 354, 356
- registerWithEventChannel 152, 175–6, 337, 339, 345
- ReleaseError 88–9, 121, 198–9
- releaseObject 84, 88–9, 120–1, 149–50, 193, 196–9, 201–2, 347, 350, 357, 399–401, 414, 417, 422–3
- releaseResource 84, 95, 97–8, 197
- remove 32, 34, 63–5, 71–2, 75, 89, 94, 135–6, 146–7, 168–70, 174, 179, 182, 196, 378, 423
- removeDevice 108, 134–6, 356

- resolve 43, 176, 182, 326, 332, 334, 344, 346, 352–3, 360, 372, 375, 392, 395, 421
- resolve\_initial\_references 311, 315, 343, 352–3, 372, 375, 392, 395, 403, 415, 421
- resource 5, 18–19, 41–2, 45, 47, 58, 83–4, 86, 92–8, 106–9, 130, 137, 152, 183, 186, 188, 190–3, 196–7, 200, 203, 219, 221, 224, 258, 350, 357, 360, 362–5, 374, 377, 379–81, 387, 408–10, 419–22
- ResourceFactory 18, 41, 83–4, 95–9, 187–8, 190–1, 196–8, 221–2, 224, 239, 244–5, 258, 336, 381
- resourcefactoryproperties 238–9, 245–6
- retrieveById 48–9, 61–3, 352–3
- rmdir 64, 75
- RootPOA 308, 311, 314–16, 343, 415
- run-time performance 256–7, 316, 318, 322
- runTest 83–6, 193, 195–6, 219–20, 222, 224, 387, 399–400
  
- SAD 15, 28, 101, 155, 164–5, 183, 185–6, 188–92, 194–6, 199, 202, 215, 217–18, 232, 243–6, 329, 335–6, 339, 361–2, 364, 366, 370, 378, 381, 383–4, 386–8, 391–2, 406, 409, 414, 417–22
- SCA Reference Implementation (SCARI) 325–6, 328–9, 336, 339, 344, 347, 349, 353, 355, 361, 365, 367, 369–76, 379–81, 384–5, 389–405, 410, 417, 420
- sca\_compliant 218, 225–6, 383, 388, 418
- SCD 18, 87, 217–19, 227, 230–1, 246, 314, 335, 355, 380, 384, 388–9, 394, 406–9, 418–20
- sched\_ 260–5, 279–99
- sem\_ 267–70, 282–96
- semaphore 258–74, 277–99
- services 5, 14–15, 17, 37–8, 40, 42, 136–7, 139, 143, 146, 160, 200, 253–4, 311, 325, 328, 330, 332, 334, 335–6, 338, 340–56, 380
- ServiceSequence 136, 366
- ServiceType 18, 136, 140, 366–7
- setAdministrativeState 48–9, 56–7
- setFilePointer 75–6, 80
- setLogFullAction 48–9, 56–7
- setMaxSize 48–9, 56–7
- SHARED\_LIBRARY 122–3
- shm\_ 260
- shutdown 21, 26–7, 30, 47, 84, 95–6, 98–9, 114, 137, 146, 148–9, 158, 197–8, 313, 347–9, 396, 401, 405, 417
- ShutdownFailure 96, 98–9
- signal 7, 12, 83–4, 100, 105, 107, 199–200, 235, 258, 274, 285, 300, 313, 320, 347–9, 401, 403–4, 412, 416–17
- simple 219–25
- simplesequence 220, 222–4, 407
- SIZE 65, 70–1, 179–80, 259–60
- sizeof 75–6, 81
- skeleton 305–7, 340, 399
- skeleton-impl 340, 399
- softpkg 225–7, 229–30, 383, 388, 390, 406–7, 418–19
- softpkgref 229–30
- Software Assembly Descriptor, *see* SAD
- Software Component Descriptor, *see* SCD
- Software Package Descriptor, *see* SPD
- softwareassembly 185, 243–4, 361, 364, 366, 381, 385–8, 395, 417–18
- softwarecomponent 230–1, 408–9, 419–20
- softwareProfile 108–9, 111, 183, 185, 360–1, 368, 381, 400–2
- SourceCategoryType 18, 46
- SPD 18, 85, 91, 111, 122, 140, 142, 148–9, 163, 186, 189–90, 194–5, 200–3, 217–19, 222, 225, 230, 236–7, 243–4, 246, 335, 364–71, 381, 383–4, 386–93, 401, 406–7, 417–20
- STACK\_SIZE 127–8, 130–2, 190
- start 10, 24–5, 33, 57, 61, 66, 73, 84, 92–5, 100, 107, 113, 129–31, 141, 193, 195–6, 216, 235, 347, 367, 387, 391, 399–401, 405, 411, 414, 420–4
- StartError 92–4
- StateChangeCategoryType 18, 46
- StateChangeEventType 18, 46, 113, 116–17, 338, 341–2, 346
- StateChangeType 18, 46
- stop 84, 92–5, 107, 130–1, 193, 195–6, 347, 367, 387, 391, 399–401, 405, 411, 414, 420–4

- StopError 92–4
- struct 219–20, 222–4
- structsequence 220, 224
- stub 305–7, 344–5, 391–2, 399, 424
- supportsinterface 231–2, 246, 408–9, 419
  
- terminate 27, 94, 96, 108, 127, 130, 133, 166, 196–8
- test 83–6, 205–10, 218–20, 222, 224–5, 232
- thread attributes 277–82, 286, 290–2, 294, 297, 412
- \_to\_object 308, 330, 334, 403, 413
- \_to\_string 308, 311, 332–4
- \_type 312, 326, 332, 341–2, 375–6
- Type Codes 312, 321
  
- UML 19, 21, 40, 144, 217, 308–9, 351
- Unified Modeling Language, *see* UML
- uninstallApplication 152, 169–70, 203, 350, 356
- Universal Unique Identifier (UUID) 219, 226, 235, 328–9, 335–6, 362, 364–7, 369–70, 373, 375, 386, 388–91, 396, 400, 419
- UnknownFileSystemProperties 64, 70–1, 179–80
- UnknownPort 87, 199
- UnknownTest 83, 85–6
- unmount 167, 178, 182
- unregisterDevice 121, 137, 146–8, 152, 160, 168–9, 350, 356
- unregisterDeviceManager 152, 160, 166–8, 173, 350, 356
- UnregisterError 154, 166–9, 174–5
- unregisterFromEventChannel 177, 340, 345, 349
- unregisterService 137, 146–8, 152, 174–5, 350, 356
- unregisterWithEventChannel 177
- usageState 108–9, 113–16, 118–21, 350, 368–9, 397, 399
- UsageType 18, 108–10, 115
- Use case 19, 303
- uses port 379, 397, 412, 418, 420
- usesdevice 225, 228, 230
- usesport 188, 244, 246–9, 417–18
  
- \_value 341–3, 376
- volatile 282–4, 286, 288, 297–8, 411–12
- VxWorks 12, 123, 260, 262–73, 265, 391
  
- write 57–8, 60–2, 69–70, 75–7, 79–80, 126, 135–6, 143, 145, 147, 155, 159–60, 162, 164, 167, 169–70, 172, 174, 188, 198
- writeRecords 48–9, 58–61
  
- XML 6, 309, 312, 314, 359, 361, 365, 367, 374, 378, 383–4, 389–91, 398, 402, 405, 407–9, 417, 419, 423, 425
- Xterm 393





