
Index

- 0BWTC_C02 InfoSource, 366
- 0BWTC_C10 multi-cube, 354, 356–361, 363
- 0CALDAY (Calendar day) characteristic, 85–86
- 0CALDAY structures, 37
- 0CO_AREA compound attribute, 195
- 0COSTCENTER characteristic, 195
- 0PLANT_ATTR DataSource, 285, 287–288
- 0PLANT Business Content object, 293
- 0PLANT InfoObject, 267, 283–286, 292
- 0PURCH_ORG compound attribute, 297, 312
- 0RECORDMODE InfoObject, 234, 244
- 0SOURSYSTEM InfoObject, 195–196
- @9WQLocalA option, 28
- 100014 aggregate, 224
- 100020 aggregate, 224

- ABAP/4 (Advanced Business Application Programming) language, 426
- ABAP (Advanced Business Application Programming) language, 9, 426
- ABAP objects, 283, 300, 395
- ABAP programs
 - for deleting data, 333
 - executing, 429
 - Open SQL, 427
 - optimizing in transfer rules and update rules, 392
- ABAP transfer rule, 78–79
- Activate data in ODS . . . option, 249
- Activate master data option, 326
- Activate ODS object data automatically option, 249
- Activate option, 72
- Activating InfoObjects, 27
- Active Data button, 253
- Addition update type, 238
- Administrative and management functions reports, 14
- Administrator Workbench, 11, 18, 290, 355, 365, 405, 408
- Administrator Workbench: Modeling window, 66, 72–73, 76, 94, 103–104
- Adopt reference button, 135
- Aggregate rollup, 336–337, 344, 433

- Aggregates, 165, 199, 433
 - creation of, 187–194
 - deleting data, 209–210
 - different units of measurement, 209
 - dimension table, 212
 - displaying contents, 211
 - displaying data, 331
 - fact table records aggregated, 211
 - filling with data, 206–208
 - InfoCubes, 341
 - locating, 212
 - long description, 204, 211
 - rebuilding after data deletion, 333
 - repairing indices, 336–337
 - short description, 204
 - status, 208
 - as subset of InfoCube, 212
 - summary, 214
 - technical name, 211, 213
- ALE (Application Link Enabling), 9, 11, 374
- ALEREMOTE user, 274, 275, 277, 279
- All InfoObject(s) activated status message, 27, 32
- Always update data, even if no master data exists for the data option, 172
- Amount option, 32
- Analyses and comparisons reports, 14
- ANALYZE statement, 382
- Application components, 46–47, 433
- Application help file, 370
- Application servers, 426, 429
- AP_R_QUERY authorization profile, 140
- ASAP for BW, 417–420
- Assign Calculated key figure authorization, 136
- Assign Client to Logical System option, 270, 273
- Assign DataSource . . . option, 49, 76, 366
- Assign tab, 36
- Assign transactions button, 157
- Attributes, 17, 25, 26, 29, 52
- Attributes tab, 309
- Authorization definition for hierarchies option, 146
- Authorization management, 12
- Authorization objects, 131, 434
 - creation of, 142–154
 - manually inserting, 150

- Authorization object ZAO_SREP saved status message, 145
- Authorization profiles, 434
 - adding to user's master data, 139
 - creation of, 132–141
 - description of, 138, 152
 - generating, 137, 152
 - listing, 133
 - naming, 138, 152
 - roles, 149–154
- Authorization relevant | Objects window, 144
- Authorization Relevant option, 142
- Authorizations, 131, 433–434
 - adding, 151
 - information about, 147
 - as local object, 145
 - naming, 147
 - R/3 source system, 277–278
 - regions, 146
 - saving, 148
 - type of, 147
- Authorization tab status light, 138, 153
- Authorization templates, 135
- Available attributes area, 324
- AVG aggregates, 215

- Background job, 207
- Background processing, 54, 374, 429
- Background users, 271, 274–276
- BAPI (Business Application Programming Interface), 9, 11
- Basic cube, 34
- Basic Cube option, 34
- BDS (Business Document Service), 11, 12
- BEx (Business Explorer), 10, 107–108
- BEx Analyzer (Business Explorer Analyzer), 10, 12
 - query creation, 107–119
 - querying ODS object, 230
 - reopening workbooks, 119
- BEx Browser, 10, 107, 119–120, 154–159
 - /BIC/AODS_DEMO00 table, 252, 261
 - /BIC/AODS_DEMO10 table, 252–253, 259
 - /BIC/B0000482000 table, 252–253
 - /BIC/B0000842000 table, 260
 - /BIC/DIC_DEMOBC3 fact table, 167
 - /BIC/DIC_NEWBC2P, 340
 - /BIC/DIC_NEWBC21 dimension, 394, 397
 - /BIC/F100008 table definition, 212
 - /BIC/FIC_DEMOBC fact table, 166, 169
 - /BIC/FIC_DEMOMC fact table, 220
 - /BIC/FIC_NEWBC2 E fact table, 347
 - /BIC/FIC_NEWBC2 fact table, 340, 384–385
 - /BIC/FIC_NEWBC2 F fact table, 347
 - /BIC/HIO_SREP hierarchy table, 65, 171
 - /BIC/IC_NEWBC2 table, 379
 - /BIC/IIO_SREP table, 65, 171
 - /BIC/KIO_SREP table, 65, 171
 - /BIC/PIO_MAT master data table, 27
 - /BIC/PIO_SREP master data table, 170
 - /BIC/ prefix, 27
 - /BIC/PZVENDOR master data table, 317
 - /BIC/QIO_SREP master data table, 175
 - /BIC/SIO_SREP SID table, 169, 170, 171
 - /BIC/TIO_MAT text table, 27
 - /BIC/TIO_SREP text table, 170, 171
 - /BIC/TZVENDOR text table, 312, 318
 - /BIC/YIO_SREP master data table, 175
 - /BIC/YIO_SREP master data table, 175
 - /BIC/YIO_SREP master data table, 175
 - /BIC/YIO_SREP master data table, 175
 - BID0001770 number range object, 394
 - /BIO/ prefix, 27
 - Bitmap indices, 376–381, 434, 436
 - BIW_T001WS ABAP structure, 286, 287
 - BLOBs (Binary Large Objects), 116
 - bobhpd04 host machine name, 279
 - BTC_100 logical system, 272, 274
 - BTC client 100, 272, 279
 - BTC system and RFC (Remote Function Call) destinations, 279–280
 - B-tree indices, 377, 378, 436
 - Buffers, 374, 431–432
 - Business Content, 13–14, 135, 267, 290, 434
 - OSOURSYSTEM InfoObject, 196
 - DataSources names, 284
 - Business Content objects, 289–295
 - Business Explorer tab, 142
 - Business objects, storing, 430
 - Business-related meta-data, 11
 - Business roles, predefined, 267
 - BW (Business Information Warehouse), 434
 - ABAP (Advanced Business Application Programming) language, 9
 - aggregates, 165
 - ALE (Application Link Enabling), 9
 - architecture, 10–12
 - attributes, 17
 - authorization templates, 135
 - BAPI (Business Application Programming Interface), 9
 - Basis 3-tier architecture, 9
 - BEx (Business Explorer), 10
 - BEx Analyzer, 10
 - BEx Browser, 10
 - Business Content, 13–14
 - BW Server, 11
 - characteristics, 17, 48, 308–312
 - checking bitmap indices, 378–379

- data loads, 339
- hyperlinks, 24
- key figures, 17
- loading data from R/3 into, 313–319
- logging on to, 108
- mySAP.com, 14–15
- Native SQL, 427
- ODBO (OLE DB for OLAP), 10
- R/3 Source System creation, 276
- replicating R/3 DataSources to, 305–308
- reporting environment, 10
- sequence of activating objects, 295
- source systems, 11, 43
- star schema, 166–172
- viewing records, 102–103
- BW2 BW system, 283
- BW2K900063 transport request, 412–413
- BW2K900065 transport request, 412, 414
- BW clients, logical system creation, 272–274
- BW Monitor, 11, 57, 88, 434
 - load attempt failed, 315
 - troubleshooting ETTL (extracting, transferring, transforming, and loading), 96–100
- BW objects, 11
- BW OLAP processor, 199
- BW project plan, 420–423
- BW Release 2.0 button, 305
- BWREMOTE user, 274, 276–277, 279
- BW Scheduler, 11, 54, 343
- BW Statistics, 434
 - activating, 354–370
 - installing, 362–369
 - loading with statistical data, 354–370
 - queries, 356–361
 - raw statistical data in database tables, 355
- BW Statistics multi-cube, 215
- BW systems, 44, 276, 367

- Calendar Buffer, 431
- Calendar date free characteristic, 115
- Cardinality, 376–377
- CCMS (Computer Center Management System), 373
- CCMS System Monitoring (General Monitoring Functions), 373
- Change and transport system, 374
- Change authorization data option, 135
- Change log button, 253
- Change node(s) . . . option, 69
- Change query (global definition) . . . option, 124
- Change run, 434
- Changes to Repository and crossclient
 - Customizing allowed option, 271, 274
- Char. option, 21
- Characteristics, 17, 434
 - activating, 26
 - activating data changes, 327–329
 - assigning to dimensions, 35, 36
 - attributes, 50, 52
 - BW creation of, 308–312
 - checking loaded data, 57–60
 - checking validity, 26
 - creation of, 23–30
 - data used by other objects, 329
 - description of, 23
 - hierarchies, 50, 52
 - InfoSource creation for data, 47–51
 - listing associated hierarchies, 111
 - listing changed, 328
 - loading data, 52–56
 - maintaining data, 322–329
 - manually entering data, 61–72
 - master data, 52
 - naming, 23
 - placing in dimensions, 186–187
 - selection conditions, 59
 - status of data, 329
 - storing, 20–22
 - text, 52
 - types of data, 48
- Characteristics and assigned dimension block, 36
- Characteristic texts, 50
- CHAR DataType, 24, 25, 309
- Check for InfoCubes option, 145
- Choose button, 300
- Client 100, 273, 274
- Client 200, 270, 271
- Client dependent data, 270
- Client independent data, 270
- Client-independent object changes block, 271, 274
- Clients, 269–270, 434–435
- CNN Web site, 159
- Collapse tab, 345
- Collect automatically option, 291
- Collection mode button, 291
- Columns panel, 110
- Communications, 374
- Communication str./Transfer rules table, 78
- Communication Struct.IS_DEMOBC activated
 - status message, 75
- Communication structure, 74–75, 435
- Compound attributes, 195–196, 435
- Compounding tab, 311
- Compressing InfoCubes, 345–348
- Constants, 78
- Contents tab, 252, 330

- Continue button, 278
- Control Parameters for the data transfer option, 399
- Control record, 280
- Copy duplicated node option, 69
- Cost-based optimizer statistics, 381–382
- CPI-C (Common Programming Interface-Communications), 429
- Create . . . option, 44, 276
- Create application component . . . option, 46
- Create attribute as characteristic option, 25
- Create attribute as key figure option, 310
- Create background users for links to SAP Systems option, 275
- Create button, 300
- Create by yourself button, 204
- Create/change mode, 121
- Create folder button, 155
- Create hierarchy . . . option, 66, 190
- Create index button, 336
- Create InfoArea . . . option, 19
- Create InfoCube . . . option, 34
- Create InfoObject . . . option, 23, 30
- Create InfoObject catalog . . . option, 20
- Create InfoPackage . . . option, 52, 84, 368
- Create InfoSource . . . option, 48, 73
- Create ODS object . . . option, 229
- Create recommendation button, 219
- Create statistics button, 339
- Create update rules . . . option, 82
- Cross-subject analysis, 34
- CUA Buffer, 431
- Currency/unit of measure area, 32
- Cursor Cache, 432
- Customer-developed authorization objects, 144
- Customer ID free characteristic, 115

- DAGE02 delivery agent, 200
- Data
 - availability for reporting, 248–249
 - checking for successful loading, 88
 - checking status of loaded, 57–60
 - cleansing, 3
 - client dependent, 270
 - consistency problems, 243
 - in database formats, 331
 - ETTL (extracting, transferring, transforming, and loading), 3, 8–9
 - from flat files, 392
 - formatting, 8–9
 - how and when to load, 84–88
 - identifying right, 8
 - loading into fact tables, 9
 - loading into ODS objects, 242–255
 - moving into data warehouse, 8
 - OLAP (online analytical processing), 6
 - procedure for collecting and transferring, 398
 - QM status, 246
 - quality status, 246
 - from R/3 system, 392
 - retrieving, 11
 - storing, 11, 430
 - storing in original format, 100–104
- Data archiving, 374
- Database interface, 426
- Databases, 374
 - BLOBs (Binary Large Objects), 116
 - LUW (logical unit of work), 428
 - NOARCHIVELOG mode, 392
 - relationship between tables, 166–172
 - updating, 428
- Database tables, 252–253, 356
- Database view option, 300
- Data entry, changing, 322
- Data extraction, 297–300, 306
- Data files, location of, 53
- Data has been saved status message, 63
- Data loads, 289–295
 - data packet sizing, 397–400
 - failed, 98
 - IDoc, 397
 - number range buffering, 392–397
 - procedure for collecting and transferring data, 398
 - PSA, 397–400
 - refreshing statistical information, 381
 - request overlapping, 342–343
 - requests, 339–343
 - rolling up requests, 344
 - selection conditions, 77
 - status, 97–98, 104
 - tuning performance, 391–399
- Data management-related statistical data, 356
- Data Manager, 11, 12
- Data Packet dimension, 36, 167
- Data packet dimension table, 340
- Data packets
 - number of data records, 400
 - size and load performance, 398
 - size of, 435
 - sizing, 397–400
- Data Records, 280
- Data source block, 83
- DataSource Material number (Texts) option, 56
- DataSources, 50, 267, 435
 - A-active version, 283
 - activating, 283

- characteristics, 50
- checking activation of, 283
- development class, 365
- D-SAP delivery version, 283
- D version, 284
 - as local object, 306
 - mapping fields to InfoObjects, 77
 - names, 284
 - R/3 creation of, 305–308
 - replicating, 283–289, 364, 405
 - replicating to BW, 305–308
 - saving, 307
 - source systems, 50
 - Transaction data, 50
- Data targets, 19
- Data targets only option, 256
- Data targets option, 19, 34, 82
- Data targets tab, 87
- Data transformation, 391
- Data warehouses, 435
 - basics, 7–9
 - ETTL (extracting, transferring, transforming, and loading) data, 3, 8–9
 - granularity, 197
 - information about, 11
 - moving data into, 8
 - objective of, 3
 - performance, 185–186
 - poor system performance, 3
 - SAP R/3, 4
 - star schema, 3, 7–8
- Data was requested status message, 54, 88, 101
- DATEFROM time-related field, 175
- DATETO time-related field, 175
- DB20 transaction, 382
- DBMS_STSTS package, 382
- DB statistics status light, 338
- DDSTORAGE table, 380
- Default
 - read mode, 376
 - update rules, 83
- Define Logical System option, 269, 272
- Delete button, 341
- Delete entries button, 210
- Delete indexes button, 334
- Delete Selections button, 332
- Delete the data option, 209
- Delivery reports, 14
- Delta data load, 244, 263
- Delta update option, 261, 435
- Dependent InfoObjects, activating, 27
- Development class, 301, 365, 406–409, 436
- Dialog overview, 374
- Dialog work processes, 428, 430–431
- Dictionary objects block, 300
- Dim: sales transaction dimension, 196
- Dimension characteristics, 180–187
- Dimension IC_NEWBC2U: Error when writing the initial record to the DB table error message, 208
- Dimensions
 - assigning characteristics to, 35, 36
 - automatically assigning names to, 36
 - creation of, 35
 - description of, 36
 - finding number range object, 392–394
 - information about, 393
 - maximum number of, 36
 - number range buffering, 392–397
 - placing characteristics in, 186–187
- Dimensions . . . button, 35
- Dimensions block, 36
- Dimension tables, 7, 12, 167–168
- DIMIDs, relationship with request IDs, 340
- Display attribute, 25, 436
- Display authorization, 136
- Display button, 411
- Display generated report option, 333
- Display modified structures option, 331
- Documentation icon, 373
- Documents, storing, 12
- Do not select templates button, 150
- Do not use conversion option, 331
- DOP (degree of parallelism), 389
- Drill-down, 115, 436
- Edit object button, 406
- Edit/Set-up buffering/Main memory command, 396
- E fact tables, 224, 345–347, 386–388
- Enqueue work processes, 428
- Enter authorization, 136
- Entire hierarchy is time-dependent option, 65, 189
- Entire system, 374
- Environment/All queries read mode command, 376
- Environment/Automatic request processing . . . command, 347
- ERP (Enterprise Resource Planning) system, 4, 9
- Error message button, 315
- Error messages, displaying detail, 316
- E_T_DIME table, 393
- ETTL (extracting, transferring, transforming, and loading) data, 3, 8–9, 436
 - mapping and transformation rules, 47
 - statistical data, 356
 - troubleshooting, 96–100

- Excel files, populating with query, 113
- Exchange rates, 281
- Exclusively attribute option, 25
- Execute authorization, 136
- Execute button, 328, 344
- Execute icon, 373
- External data tab, 53
- External systems, 44
- Extractors, 11
- Extras/Partitioning command, 387

- Fact tables, 7, 12
 - changes to data appearing in, 262
 - creation of indices, 335–336
 - deleting indices, 334
 - E fact table, 224
 - F fact table, 224
 - key columns, 36
 - loading data, 9
 - naming, 95
 - number of records displayed, 331
 - parent tables, 167
- Failed data loads, 98
- Favorites folder, 119
- F fact table, 224, 345–347
- Fields, aggregation on, 331
- FileSystem, manual meta data, data using file
 - inte option, 45
- Fixed currency option, 32
- Fixed value option, 205
- Flat files, 44
- Folders, 155–156
- Foreign keys, 7, 172
- Formatting data, 8–9
- Free characteristics, 115, 436
- Free characteristics panel, 110
- Full update option, 436
- Further selections block, 100

- Gateway service, 108, 429
- Gen. Remote Cube option, 35
- General remote cube, 34
- General tab, 316
- Generate button, 152
- Generic data extraction, 14, 436
- Generic Key Table Buffer, 431
- Granularity, 197, 436
- Grouping button, 292, 408
- Grouping objects, 408

- Hierarchies, 48, 52
 - flexibility, 194
 - listing associated with characteristics, 111
 - manually entering, 61–72
 - saving, 71
- Hierarchy nodes, 120–127
- Hierarchy structure time-dependent option, 65
- Hierarchy tab, 65
- Host spooling and printing services, 429
- Hyperlinks, 24

- IC_DEMOBC InfoCube, 38, 82–83, 87, 103, 146
- IC_DEMOBC_Q01 query, 123, 131
- IC_DEMOBC_Q02 query, 131
- IC_NEWBC1 InfoCube, 176–177
- IC_NEWBC2 InfoCube, 203, 211–212, 329, 387, 393
- IC_NEWBC2 (sales) subquery, 224
- IC_NEWBC2U dimension, 208–209
- IC_NEWBC3 InfoCube, 191
- IC_NEWBC3_Q01 query, 191
- IC_NEWBC4 (delivery) subquery, 224
- IC_NEWBC5 InfoCube, 409, 411, 412
- Identification button, 218
- IDoc (Intermediate Document), 280, 397, 436
- IMG (Implementation Guide), 269
- Import/Export Buffers, 432
- Include authorization, 136
- INCO2 attribute and small/lower case data, 316–317
- In dataflow before and aftrwds option, 292, 408
- Independent characteristics, 29
- Indexes . . . button, 379
- Indices, 436
 - creation of, 335–336
 - deleting from fact table, 334
 - partitions, 383–388
 - repairing in aggregates, 336–337
- InfoArea-demo InfoArea, 110
- InfoArea-demo option, 29, 34, 229
- InfoAreas, 436
 - creation of, 18–20
 - description of, 19
 - listing, 110
 - naming, 19
 - relationship to InfoCubes, 18
- InfoCube compression, 345–348, 437
- InfoCube content button, 330
- InfoCube definition screen, 347
- InfoCube-demo: Basic Cube option, 94, 97, 104
- InfoCube design
 - compound attributes, 195–196
 - dimension characteristics, 180–187
 - line item dimensions, 196–197
 - time-dependent entire hierarchies, 187–194
 - time-dependent navigational attributes, 173–180

- InfoCube IC_DEMOBC activated status message, 38
- InfoCube-related information, 393
- InfoCubes, 11, 12, 17, 436–437
 - ability to delete request, 343
 - activating, 38
 - aggregate rollup, 344
 - aggregates, 165, 199, 341
 - building data packet dimension, 339–340
 - characteristics, 182
 - checking contents, 94–96
 - combining information, 199–200
 - conditions for displaying contents, 331
 - controlling user data access, 142–154
 - creation of, 34–38
 - data load requests, 339–343
 - default update type, 238
 - deleting data, 332
 - deleting requests, 341
 - description of, 34
 - dimensions, 36, 393
 - displaying and deleting contents, 330–333
 - E fact table, 345–346
 - fact table, 262
 - F fact table, 345–346
 - filling others with requests, 349
 - finding number range object, 392–394
 - identifying to collect statistical data, 355–356
 - improving data loading performance, 336
 - improving performance without logging changes, 333
 - indices, 333–339
 - key figures, 238
 - listing status of data loads, 97–98
 - loading ODS data into, 255–257, 261
 - maintaining data, 329–350
 - naming, 34
 - naming fact table, 95
 - recalculating statistics, 339
 - reconstruction, 349–350
 - refreshing statistics, 338–339
 - relationship to InfoAreas, 18
 - statistical information for related tables, 381
 - statistics, 333–339
 - subsets, 199
 - update rules, 82–83, 238
- InfoObject Catalog, 20–22
- InfoObject Catalog - demo: characteristics option, 23, 29
- InfoObject Catalog - demo: key figures option, 30
- InfoObject Catalog IOC_DEMO_CH activated message, 21
- InfoObject Catalogs, 437
- InfoObject IO_SREP authorization relevant, 142
- InfoObject menu, 190
- InfoObject option, 20, 61, 78
- InfoObjects, 17, 437
 - activating, 27, 175
 - characteristics, 23–30
 - checking definition, 142
 - key figures, 30–34
 - mapping DataSource fields to, 77
 - saving, 27
- InfoObj.list button, 328, 329
- InfoPackage-demo:IC_DEMOBC load request, 103
- InfoPackages, 43, 295, 437
 - application components, 46
 - BW Scheduler, 54
 - description of, 53
 - Initialize delta process, 257
 - loading OPLANT master data, 286
 - loading characteristic data, 52–56
 - loading transaction data, 84–88
 - master data, 314
 - naming, 53
 - Only PSA option, 243
 - opening, 256
 - viewing status of data loads, 57
- InfoSet Data extraction, 306
- InfoSource Demo: IC_DEMOBC DataSource, 85
- InfoSource - demo: IC_DEMOBC option, 76
- InfoSources, 43, 437
 - application components, 46
 - communication structure creation, 74–75
 - creation for characteristic data, 47–51
 - description of, 74
 - location of data, 49
 - naming, 74
 - for transaction data, 73–81
 - transfer rules, 49
- InfoSources option, 46, 73, 83
- Initial update option, 256
- Insert characteristic nodes . . . option, 67
- Install check box, 293–294
- Install in background option, 295
- IOC_DEMOCH InfoObject, 231
- IO_CUSTAD characteristic, 29
- IO_CUST characteristic, 29, 35, 231
- IO_CUSTNM characteristic, 29
- IO_DAGE characteristic, 200
- IO_HOUSE characteristic, 195–196
- IO_MAT_ATTR.CSV file, 53
- IO_MAT_ATTR DataSource, 50
- IO_MAT characteristics, 23–27, 29, 35, 48, 58–59, 231, 323, 326, 328
- IO_MATNM attribute, 24, 27, 323
- IO_MATNM characteristic, 29

- IO_MAT_TEXT DataSource, 50
- IO_ORD characteristic, 231
- IO_PRC characteristic, 38, 80, 232
- IO_PRC key figure, 32, 33
- IO_QUAN characteristic, 38, 80, 232
- IO_QUAN key figure, 33
- IO_REV key figure, 33, 38, 80
- IO_SOFF characteristic, 29, 40, 182, 183, 185–187, 205, 231
- IO_SOFF InfoCube, time-dependent, 173
- IO_SOFF navigational attribute, 174
- IO_SREG characteristic, 29, 40, 61–63, 123, 182–183, 185–187, 205, 231
- IO-SREG InfoCube, time-dependent, 173
- IO_SREG navigational attribute, 176
- IO_SREP characteristic, 29, 35, 64–72
- IO_SREP hierarchy option, 67, 68, 112
- IO_SREP_HIER DataSource, 65
- IO_SREP InfoObject, 144, 146
- IO_SREP_N1 characteristic, 181
- IO_SREP_N1 InfoCube, 173
- IO_SREP_N2 attribute, 205
- IO_SREP_N2 characteristic, 180, 182, 231
- IO_SREP_N3 characteristic, 189
- IO_SREP_NM characteristic, 29
- IS_ODS_DEMO InfoSource, 236–237

- Key columns, 36
- Key date, 177–178
- Key date block, 112
- Key figure option, 22
- Key figures, 17, 437
 - aggregation, 43
 - all 0, 346
 - creation of, 30–34
 - description of, 31
 - naming, 32
 - storing, 20–22
 - without one-to-one mappings, 238
- Key figures tab, 38
- KEY_IC_DEMOBC3 field, 169

- LFA1 table, 297, 299, 303
- LFM1 table, 297, 299, 301, 303
- Line item dimensions, 196–197, 437
- Line Item option, 196
- Loading characteristic data, 52–56
- Load request, processed in parallel, 243
- Local Object button, 145, 301, 306, 365
- Local objects, authorization objects as, 145
- Logical systems, 269, 437
 - client-independent data, 270
 - creation for BW clients, 272–274
 - creation for client, 269–271
 - naming, 270
 - naming background users, 274–276
- Lowercase letters option, 25–26, 316

- Maintain aggregates . . . option, 203
- Maintain Generic DataSources option, 305
- Maintaining
 - characteristic data, 322–329
 - InfoCube data, 329–350
- Maintaining Aggregates screen, 208
- Maintain master data option, 58, 61
- Maintain proposal for users in the source system (ALE communication) option, 275
- Maintain Roles option, 133
- Maintain Variables option, 121
- Manage option, 94, 104, 246, 329
- Manually button, 150
- Mapping source systems, 405
- Master data, 48, 52
 - InfoPackages, 314
 - linking with text, 300
 - loading, 313
 - manually entering, 61–72
 - meaning, 195
 - M version, 331
 - queries retrieving current, 325
 - views, 300–303
- Master data attributes option, 305
- Master data tables, 26
- Master data/texts/hierarchies option, 48
- Master data/texts tab, 27, 312
- MAT003 material name, 327
- Match (X) or copy check box, 293–294
- Material name attribute, 324
- Material Number characteristic, 58
- Material Number free characteristics, 115
- Material Number option, 49, 323
- Material Number (master data) option, 53
- MAX aggregates, 215
- Mean Time per Query query, 362
- Memory management, 429–432
- Menu tab, 154
- Message services, 429
- Meta-data, 11, 290
- Metadata Manager, 11
- Metadata Repository, 11
- MIN aggregates, 215
- MINBW attribute, 310
- Modifiable for General SAP name range option, 395
- MultiCube option, 216
- Multi-cubes, 34, 202, 437
 - as ABAP structure, 220

- creation of, 215–220
- displaying data model, 220
- multi-line queries, 222
- queries, 202, 221–224
- subqueries, 222–224
- union conditions, 218
- M version master data, 331
- mySAP Business Intelligence, 15
- mySAP.com, 14–15
- mySAP CRM (mySAP Customer Relationship Management), 15
- mySAP Hosted Solutions, 15
- mySAP PLM (mySAP Product Lifecycle Management), 15
- mySAP SCM (mySAP Supply Chain Management), 15
- mySAP Services, 15
- mySAP technology, 15

- Native SQL, 427
- Nav.attributes button, 176
- Navigational attributes, 25, 176, 180, 437–438
- New Data button, 252
- New entries button, 122, 270, 399
- No. of numbers in buffer field, 397
- Not assgnd Sales rep.ID (s) node, 114
- Not Modifiable option, 395
- NTAB (nametab buffer), 431
- Number range, 438
- Number range buffering, 392–397
- Number range object BID0001770 saved message, 397
- Number range objects, 392–394

- Object option, 144
- Objects
 - changing development class, 409
 - dependencies, 408
 - grouping, 408
 - transporting, 408–416
 - on which users can perform activities, 137
- ODBO (OLE DB for OLAP), 10
- ODS (Operational Data Store), 197, 227, 438
- ODS_DEMO ODS object, 238
- ODS - demo option, 255
- ODS objects, 11–12, 227–228
 - 0CALDAY (Calendar day) characteristic, 133
 - activating, 234
 - adding characteristics, 231–232
 - availability of data for reporting, 248–249
 - creation of, 229–235
 - database tables, 252–253
 - default update type, 238
 - delta data load, 244, 258–263
 - description of, 229
 - loading data into, 234–242, 242–255
 - loading data into InfoCubes, 255–257
 - loading PSA data, 259
 - naming, 229
 - not supporting parallel loads, 243
 - parallel processing, 243
 - queries, 230, 250–254
 - update type for data fields, 237
- ODS tables
 - displaying data, 250
 - table lock, 243
- Offices, 68–71
- OLAP Processor, 11, 12
- OLAP-related statistical data, 356
- OLAP (online analytical processing) systems, 6, 353
- OLTP systems, 353
- One-to-one mappings, 78
- Only PSA option, 101
- Open SQL, 427
- Operating system, 374
- ORA-54 error, 243
- Oracle, 389
- Order processing reports, 13
- ORECORDMODE characteristic, 258–263
- OTCTAUTHH InfoObject, 143, 144
- Other button, 155
- Output devices, 429
- Output number of hits option, 331
- OVENDOR characteristic, 297
- OverviewASAP.xls file, 418
- Overwrite option, 243
- Overwrite update type, 238

- Page buffer, 430
- Paging Buffer, 432
- PARALLEL clause, 389
- Parallelity deg. with recreati option, 333
- Parallel query, 438
- Parent tables, 167
- Partition pruning, 383
- Partitions, 383–388, 438
- Password, 109
- Performance
 - BW Statistics, 354–370
 - cost-based optimizer statistics, 381–382
 - partitions, 383–388
 - PQO (Parallel Query Option), 389–391
 - response time, 353
 - System Administration Assistant, 370–374
 - system throughput, 353

- tuning query performance, 374–391
- turning data loads, 391–399
- PFCG transaction, 133
- Plug-In, 22, 404
- Plug-In extractor, 400
- Position cursor button, 285
- PQO (Parallel Query Option), 389–391
- Predefined business roles, 267
- Print-ready output stream, 429
- Processing tab, 101, 256
- Profile Generator, 131, 132–141, 154–159, 438
- Profiles tab, 140
- Program Buffer, 431
- Project team, 420
- Properties option, 111, 323
- Propose menu, 212
- PSA (Persistent Staging Area), 11, 12, 93, 100–104, 438
 - checking contents, 245
 - data loads, 397–400
 - loading data from, 243
 - loading data into ODS object, 259
 - tables and partitions, 388
 - transfer rules not applied to data, 103
- PSA and then into data targets (packet by packet) option, 101
- Queries, 438
 - always retrieving active master data, 325
 - always retrieving current texts, 325
 - bitmap indices, 376–381
 - creation of, 107–119
 - description of, 113
 - directly accessing hierarchy node, 120–127
 - displaying, 109
 - displaying characteristics attribute, 323–324
 - displaying hierarchy, 111
 - executing, 126
 - free characteristics, 115
 - IC_NEWBC2, 211–212
 - initialization parameters, 390–391
 - most appropriate execution plan, 381–382
 - multi-cubes, 202, 221–224
 - naming, 113
 - ODS object, 230, 250–254
 - parallel processing, 389–391
 - populating Excel file with data, 113
 - read modes, 115, 375–376
 - refreshing result, 327
 - running, 110
 - saving, 110, 116, 126
 - today-is-yesterday scenario, 118
 - tuning performance, 374–391
 - yesterday-is-today scenario, 118–119
- Query authorization, 136
- Query definition window, 323
- Queuing mechanism, 243
- Queuing user dialog requests, 430
- Quotation processing reports, 13
- R/3 Plug-In (PI), 283
- R/3 transaction, 156
- rdisp/max_wprun_time instance profile parameter, 392
- RDMD transaction, 376
- Read mode, 375–376, 438
- Read mode button, 376
- Rebuilt tables option, 281
- Recalculating statistics, 339
- Reconstruct, 438
- Reconstructing aggregates option, 333
- Reconstruct tab, 349
- Records
 - creation of, 62–63
 - key figure 0 deletion, 346
 - viewing, 102–103
- Refresh information button, 382
- Refreshing
 - query results, 327
 - statistics, 338–339
 - table contents, 327
 - workbooks, 120
- Refresh statistics button, 338
- Regions
 - assigning offices to, 68–69
 - authorizations, 146
- Release button, 346
- Remote cube, 35
- Repair indexes button, 335
- Replicate DataSources option, 288, 365
- Replicating
 - DataSources, 283–289, 364, 405
 - R/3 DataSources to BW (Business Information Warehouse), 305–308
- Report Authorization Objects option, 143
- Report button, 157
- Reporting at scheduled time or in response to event, 429
- Reports, 13–14
- Repository Buffer, 431
- Request ID option, 344, 346
- Request IDs, 339–340
- Requests, 438–439
 - deleting compressed, 348
 - order of rollup and compression, 348
 - reverse posting function, 348
 - rolling up, 346–348

- Requests tab, 104, 339, 344
- Response time, 353
- Restricted key figure authorization, 136
- Restrict option, 125
- Restructure/insert button, 349
- RFCs (Remote Function Calls), 156, 271, 374, 439
- RODIOCPRMS table, 400
- Role-demo: run queries option, 159
- Role menu, 155
- Roles, 439
 - assigning users to, 138
 - authorization profile, 132–141, 149–154
 - saving, 134
 - viewing authorizations, 136
- Roles tab, 140
- Roll Buffer, 432
- Rolling up
 - aggregates, 336–337
 - requests, 346–348
- Rollup tab, 344
- Rows panel, 110
- R_RUN_QUERIES role, 136, 140, 154, 159
- R_RUN_SREP_EAST role, 150, 154
- RSA1 transaction, 18
- RSA5 transaction, 284, 364
- RSA6 transaction, 283
- RSCUSTV6 transaction, 388
- RSD_CUBE_GET function module, 393
- RSO2 transaction, 305
- RSRT transaction, 376
- RSSM transaction, 143
- RSZV transaction, 121

- Sales analysis tables, 4–6
- Sales Data table, 88
- Sales office characteristic, 183
- Sales office navigational attributes, 177
- Sales quantity option, 237
- Sales region characteristic, 183
- Sales region navigational attribute, 177
- Sales region option, 205
- Sales rep characteristic, 110
- Sales rep.ID characteristic, 111, 125
- Sales rep.ID data, 113
- Sales representative characteristic, 177, 183
- Sales representative ID option, 64, 66
- Sales revenue calculation transfer rule, 78
- Sales revenue key figure and update rules, 239
- SAP_ANALYZW_ALL_INFOCUBES program, 381
- SAP applications, 426
- SAP application server, 108
- SAP Basis, 425–429
- SAP Buffer, 431–432
- SAPGUI, 119, 425–426
- SAP R/3, 3
 - background job scheduling, 54
 - clients and logical system creation, 269
 - complex database design, 9
 - data extraction, 297–300
 - data loading, 289–295
 - DataSource creation, 305–308
 - data warehouses, 4
 - ERP (Enterprise Resources Planning) system, 4, 9
 - loading data into BW, 313–319
 - reports, 157–158
 - views, 300–305
- SAP R/3 source system, 44
 - application server host name, 277
 - authorizations, 277–278
 - creation of, 268–280
 - ID, 277
 - transferring global settings, 280–282
 - as trusting system, 156
- SAP-recommended tasks system monitoring tasks, 372
- SAP Reference IMG button, 269
- SAP remote cube, 34
- SAP RemoteCube option, 35
- SAP system number 04, 279
- SAP Web site, 423
- Save as new workbook . . . option, 116
- Saving
 - authorization, 148
 - DataSources, 307
 - hierarchies, 71
 - InfoObjects, 27
 - queries, 110, 116, 126
 - roles, 134
 - transport request, 410
 - variables, 123
 - workbooks, 117
- SBIW transaction, 305, 399
- Schedule tab, 54, 87, 257
- Scheduling background activation job, 328
- Screen Buffer, 431
- SE03 transaction, 395
- SE09 transaction, 411
- SE11 transaction, 212, 220, 300, 379, 383
- SE16 transaction, 166
- SE37 transaction, 393
- SE80 transaction, 406
- Security, 131, 374
- Select data tab, 85
- Select data targets option, 87
- Selected attributes area, 324
- Selection button, 328

- Selection conditions, 59, 85
- Selection date option, 97
- Selective deletion button, 332
- Set quality status to `OK` automatically option, 246
- Set System Change option, 395
- Short description option, 410
- SID (Surrogate-ID), 169, 439
- SID_IO_SREP field, 168
- SID table, 169, 329
- Simple one-to-one transfer rules, 51
- Single Record Table Buffer, 432
- S__IO_SOFF SID field, 175
- S__IO_SREG SID field, 175
- Slowly changing dimension, 7
- SM50 transaction, 159
- SM59 transaction, 279
- Small/lowercase letters, 316–317
- SND_250 source system, 283, 288, 295, 405
- SNRO transaction, 394
- Source systems, 11, 43–45
 - BW system as, 276
 - DataSources, 50
 - entering and saving names, 405
 - mapping, 405
 - setting default, 290–291
- Source systems option, 44, 276
- Source system SS_DEMOFF creation successful
 - finished status message, 45
- Spool system, 374
- Spool work processes, 429
- SPRO transaction, 269
- S_RS_COMP authorization object, 131, 137
- S_RS_RREPU template, 135
- SSAA transaction, 370
- SS_DEMOFF option, 77
- SS_DEMOFF source system, 45, 50
- Staging Engine, 11
- Star schema, 166–172, 439
 - dimension characteristic, 180
 - dimension tables, 7, 12
 - fact tables, 7, 12
 - foreign keys, 7, 172
 - operation of, 8
 - slowly changing dimension, 7
 - time-dependent navigational attributes, 179–180
 - true master-detail relationships, 172
- Start button, 315
- Start data load immediately option, 54, 87
- Start later bckgrnd proc option, 54
- Start/Programs/SAP Frontend/SAP Business Explorer Analyzer command, 108
- Start/Programs/SAP Frontend/SAP Business Explorer Browser command, 120
- Start the update immediately option, 103
- Statistical data
 - deleting, 356
 - identifying InfoCubes for collection of, 355–356
 - loading into basic cubes, 366–370
- Statistics, 338–339, 439
- Status icon, 373
- Status indifferent; not yet f status, 247
- Status message, 54
- Status OK status, 247
- Status Records, 280
- STMP development class, 301
- Storage parameters button, 385
- Structure table, 35, 37, 38, 217, 218
- SU01 transaction, 132
- Subtree below nodes option, 148
- SUM and aggregates, 215
- Switch off logging when recrea option, 333
- System Administration Assistant, 370–374, 440
- System landscape, 404–406, 440
- System log, 374
- System monitoring tasks, 370–374
- Systems, 279–280
 - configuring behaviors, 395
 - interactions, 404
 - maintenance navigational attributes, 180
 - target BW, 405
 - transporting objects to, 403–415
- System throughput, 353
- Tables
 - cardinality, 376–377
 - displaying contents, 170–171
 - joins between, 306
 - parallel processes regenerating, 333
 - partitions, 383–388
 - refreshing contents, 326–327
 - relationship between, 166–172
- Target BW system, 405
- Tasks, 267
- TC1_200 logical system, 270, 271, 274
- TC1_200 source system, 276, 278, 281
- TC1 client 200, 278, 279
- TC1 system and RFC (Remote Function Call)
 - destinations, 279–280
- TCT (Technical ConTent), 364
- Technical meta-data, 11
- Templates and IDoc (Intermediate Document), 280
- Template structure authorization, 136
- Template table, 35, 37, 38, 217–218
- Text, 48, 52
 - linking with master data, 300
 - loading, 56

- manually entering, 61–72
- queries retrieving current, 325
- views, 303–305
- Text tables, 26
- Time characteristics, 29, 217
- Time characteristics tab, 37
- Time-dependent entire hierarchies, 64, 187–194, 440
- Time-dependent hierarchy, 64–72, 194, 440
- Time-dependent master data tables block, 175
- Time-dependent navigational attributes, 173–180
- Time dimension, 167
- \$TMP development class, 365, 406, 409
- Today-is-yesterday scenario, 118
- Tools/Apply Hierarchy/Attribute change . . . command, 327
- Tools/BW statistics for InfoCubes command, 355
- Tools/Mapping of the source system names command, 405
- Transaction button, 156
- Transaction data
 - DataSources, 50
 - InfoPackage for loading, 84–88
 - InfoSources for, 73–81
 - loading, 392
- Transaction data option, 74
- Transactions, assigning, 157
- Transaction STMS, 415
- Transfer DataSources button, 287, 364
- Transfer exchange rates option, 281
- Transfer global settings option, 281
- Transfer global table contents block, 281
- Transfer routine, 79
- Transfer rules, 47, 49
 - activating, 51, 81, 367
 - creation of, 76–81
 - data transformation, 391
 - IS_ODS_DEMO InfoSource, 236
 - naming, 79
 - not applied to data, 103
 - simple one-to-one, 51
 - writing, 73–75
- Transfer rules IO_MAT_ATTR_AH activated status message, 51
- Transfer rules IS_DEMOBC_AH activated status message, 81
- Transfer rules tab, 78
- Transfer structure, 77
- Transport Connection bar, 408
- Transporting objects, 408–416
 - development class, 406–408
 - system landscape, 404–406
 - transport route, 407
- Transport layer, 407
- Transport Organizer Tools, 395
- Transport requests, 395, 407–408, 410–412
- Trans.structure tab, 77
- Tree data refreshed: Source system tree status message, 288
- Troubleshooting ETTL (extracting, transferring, transforming, and loading), 96–100
- True master-detail relationships, 172
- TTC BW Administrator Workbench, 276
- Type/data type block, 32
- Type of authorization option, 147
- U_EAST user, 132, 153, 154
- U_MIDWEST user, 132
- Unit dimension, 167
- Units of measure and characteristics, 29
- Update data targets from ODS object automatically option, 255
- Update ODS data in data target . . . option, 255
- Update parameters tab, 172, 244
- Update rules, 43, 238, 440
 - checking validity, 241
 - data transformation, 391
 - default, 83
 - InfoCubes, 82–83
 - IS_ODS_DEMO InfoSource, 237
 - Sales revenue key figure, 239
- Update rules were successfully activated status message, 83
- Update work processes, 428
- Updating
 - databases, 428
 - user master data, 158
- USD option, 32
- Use DB aggregation option, 331
- Use mat. Aggregates option, 331
- User compare button, 139
- User context, storing, 430
- User dialog requests, queuing, 430
- User ID, 109
- User Roles, 11, 12, 132
- Users
 - assigning to role, 138
 - controlling access to InfoCube data, 142–154
 - objects to perform activities on, 137
 - session dialog steps, 428
 - updating master data, 158
- User tab, 138, 140, 153
- Utilities@-->Database utility command, 384
- Utilities Display data command, 302
- U_WEST user, 132, 140

- Valid form option, 70
- Variable: sales reg.option, 125
- Variables, 440
 - directly accessing hierarchy node, 120–127
 - saving, 123
- VBLOG table, 428
- Vendor master data, 297
- Views
 - checking definition, 302
 - displaying data, 302–303
 - generating, 302
 - as local objects, 301
 - master data, 300–303
 - text, 303–305
 - transporting to other R/3 systems, 301
- Views option, 300
- V_SREG variable, 122, 211

- Web addresses, adding to folders, 155–156
- Web address or file option, 156

- Web Sites folder, 155
 - With hierarchies option, 65, 294
 - With zero elimination option, 346
- Workbooks, 116–117, 119–120, 440
- Work processes, memory space accessible by, 430
- Work Process Overview icon, 159

- Yesterday-and-today scenario, 119, 184
- Yesterday-is-today scenario, 118–119
- Yesterday-or-today scenario, 119, 184

- ZAO_SREP authorization object, 151
- ZA_SREP_EAST authorization, 151
- ZBW2 development class, 406, 409, 412
- ZVENDOR_ATTR DataSource, 305–306, 307
- ZVENDOR_ATTR Data Source, 313–314
- ZVENDOR characteristic, 297–300, 308–312, 313
- ZVENDOR master data, 299
- ZVENDOR_TEXT DataSource, 307, 313