

# INDEX

## A

### ABC

- BreakManagerClass 147, 156, 157–176
- BrowseClass
  - ResetFromAsk 41
  - TakeNewSelection 22, 34, 41
- CDATASection 265
- CriticalProcedure 293–296
  - and automatic constructor/destructor 294
- Document 261, 265, 273
  - CreateComment 261, 263
  - CreateComments 265
  - CreateElement 265, 266
  - CreateElementNS 263
  - CreateTextNode 263, 265
  - GetDocumentElement 263, 265, 273
  - InsertBefore 263, 265
  - Release 263, 264, 268
- DocumentType 261, 262, 265
- DOMImplementation 262, 265
  - CreateDocument 262, 265
  - CreateDocumentType 262
- DomImplementation 259
  - CreateDocument 259
- DOMObject
  - Release 263
- DOMWriter 259, 265
  - SetFormat 264, 268
  - WriteNode 264, 268
- EIPManager
  - Ask 35
  - Init 35
  - TakeEvent 40, 55
- Element 261, 263, 265, 273
  - AppendChild 265
  - Release 265, 266
  - SetAttribute 264, 265
- FileManager
  - Fetch 76, 180
    - compared with NEXT 182
  - Insert 76, 180
  - Next 181, 182, 189
  - TryFetch 321
  - Update 180, 205, 207
- ICriticalSection 285
  - Kill 285
  - Release 285, 287
  - Wait 285, 287
- IMutex 288
  - Kill 288
  - Release 288
  - TryWait 288
  - Wait 288, 289
- IReaderWriterLock
  - Reader 292
  - Writer 293
- ISynchObject 294
  - Kill 293
  - Release 293
  - Wait 293
- Node 261
  - GetChildNodes 274
  - GetNodeType 274
- NodeList 274
  - Release 274
- PopupClass 113–124
  - adding menu items 115
  - Ask 117, 119, 122
  - separator character 115
- ProcessClass 211
  - SetFilter 96
  - TakeRecord 150, 152, 164, 187, 189, 201
- QueueProcessManagerClass 209, 219–227

- Init 216
- Open 216
- Run 216
- SetCloseWindow 215
- SetControls 216
- SetProgressLimits 217
- TakeCancelled 227
- TakeCompleted 227
- TakeEvent 216
- TakeNoRecords 217
- TakeRecord 217, 227
- ValidateRecord 220, 227
- ReaderWriterLock 291–293
- ReportManager
  - AskPreview 201
- RTFControlClass 22
  - SetText 25
  - TakeAction 25
- Text 265
  - Release 266
- using in Legacy app 45
- ViewManager 211
- WindowManager
  - Ask 35
  - Init 215, 220, 322
  - Next 192
  - Request 214
  - Run 41
  - TakeEvent 209, 216
  - TakeRecord 164, 166
- XMLGenerator 243–245, 247–255, 271
  - AddTag 243, 250, 251, 252
  - AddXMLHeaderAttribute 243, 250
  - CloseDocument 244, 252
  - Init 243
  - MakeValidName 253
  - OpenDocument 243, 250, 251

ACB

- QueueProcessManagerClass 218

ACCEPT 205, 206, 216

ACCEPTED 110

ADD 94, 179

ADDRESS 311, 315, 317, 333, 352, 353, 360

animation
 

- fade 319
- slide 319

AnyASCII 250, 252

AppendChild 263

array
 

- on window 99–112

atomic operations 287

AttachThreadToClarion 324

AutoComplete 59–69, 71–81
 

- see also Windows API, SHAutoComplete
- and drop down combo 71–81
- fill modes 63

**B**

BIND 86

browse
 

- displaying RTF 19–28
- greenbar 3–14, 15–18
- prefix 55

BrowseClass
 

- see ABC, BrowseClass

BString 358

BUTTON
 

- Abort 274
- No 76
- OK 274
- Yes 76

BYTES 208

**C**

cciCStringFactory 261

CD
 

- burning 365–372, 373–383
- triggering the wizard 370

- CENTER 89
- CenterPoint
  - see XML
- ChangeRecord 322
- CHOOSE 12, 81, 89, 315, 317
- CHR 89
- Class Viewer 211, 258
- CLEAR 78, 205, 207
- client/server
  - and IP Driver 129
- CLIP 24, 49, 88, 104, 205
- CLOSE 207
- CoInitialize
  - see COM, CoInitialize
  - see COM, CoUninitialize
- COLOR
  - Black 14, 168
  - Blue 168
  - Lime 14
  - Navy 14
  - None 13, 153
  - White 14
  - Yellow 153
- COM 357–364
  - burning CDs 375–383
  - CoInitialize 66
  - CoUninitialize 66
  - early binding 358
  - ICDBurn 369, 376–383
    - Jim Kane style 380
    - SoftVelocity style 381
  - IDL files 377
  - initializing 360
  - interface
    - creating with RTLib 359
    - releasing 360
  - IUnknown 378
  - IUnknownType 381
  - late binding 357

- using IDispatch 357
- COMMIT 205, 208
- Common File Dialog 59
- CONSTRUCT 284
- COPY 370
- CreateDOMImplementation 265
- CreateDOMWriter 264, 268
- critical section
  - see also thread safety 279
- CSTRING
  - creating 261
- CYCLE 216

**D**

- database driver
  - Dynamic Driver 141–145
    - cloning tables 142
    - global caching 142
    - local caching 144
  - In-Memory Driver 137–139
    - performance 139
    - thread safe 138
    - vs queues 137
  - IP Driver 127–135
    - and SQL 131
    - and WAN 130
    - architecture 132
    - cost 134
    - security 133
  - ISAM 128
  - SQL 128
  - Topspeed
    - performance 129
- DELETE 179
- DeleteRecord 41
- DestroyDOMImplementation 264, 268
- DESTRUCT 284
- DISABLE 34

DISPLAY 57, 119, 206  
DisplayPopupMenu  
    see template, DisplayPopupMenu  
DLL  
    loading at runtime 67, 299–318  
dll\_mode 302  
DOM  
    see XML, parsers  
drive type  
    detecting 339–346  
driver  
    see database driver  
drop down combo  
    and AutoComplete 71–81  
    filtering 71  
    forcing drop 77

## E

e-books 247  
EditAction  
    Backward 36  
    Cancel 36  
    Complete 36  
    Forward 36  
    None 36  
Edit-In-Place  
    see EIP  
EIP 31–36, 37–42  
    see also ABC, EIPManager  
    Action upon focus loss 39  
        Never 40  
        Prompted 40  
    disabling buttons 33  
    disabling field 53  
    embedded code not executing 37  
    field lookup 48  
    Legacy templates 43–57  
EIPManager  
    see ABC

EIPManager  
ENABLE 34  
ENDPAGE 173  
EQUATE 60  
ERRORCODE 79, 207, 209  
EVALUATE 86, 88  
EVENT 56, 209  
    Accepted 44, 49, 55, 110  
    AlertKey 119  
    CloseWindow 94, 206, 209, 326  
    CopyField 120  
    GainFocus 287  
    OpenWindow 321  
    PasteField 120  
    Selected 36, 44, 55  
    Timer 206, 209, 322  
EXECUTE 307  
expression editor 83–97

## F

Fetch  
    see ABC, FileManager, Fetch  
field equate labels 106–111  
    arbitrary 108  
field priming on insert 51  
file  
    adding new record 76  
    handling techniques 177–183  
formula editor 165  
FREE 78  
function pointers 301

## G

GET 12, 56, 94, 179, 209  
global queues  
    see also thread safety  
GlobalRequest 57  
    alternatives 213

GlobalResponse 322  
greenbar 3–14, 15–18, 47  
    alternate columns 8  
    setting colors 5  
GreenBarColors 13

## H

handle  
    window 60  
Havnen, Bjarne 39

## I

ICON  
    Exclamation 274  
    Hand 103  
    Question 76  
INRANGE 26  
Insert  
    see ABC, FileManager, Insert  
INSTRING 25, 26, 370  
invoice  
    and EIP 43–57  
IP Driver  
    see database driver  
    IP driver  
ISALPHA 123  
ISAM 128  
    vs SQL 128  
ISAM files 179

## K

Kane, Jim 68  
KEYCODE 78, 79

## L

LAN efficiency 130  
LEFT 89

LEN 26, 78

## LEVEL

    Benign 181, 189  
    Fatal 181, 321  
    Notify 104, 181

## LIB

    function of 300

LibMaker 67, 300

LIKE 11

listbox styles 4  
    global 13

LoadLibrary class 304

LocalResponse 57

LOGOUT 205, 207

LOOP 79, 104, 189, 205, 207

## M

MARGINS 199  
MESSAGE 76, 88, 103, 274, 370  
module data 214  
mutex  
    see thread safety, mutex

## N

NewCriticalSection 285  
NewMutex 288  
NewReaderWriterLock 292  
NEXT 79, 182, 207  
NiceTouch Query Wizard 83

## O

OLETCL 357  
OLEView 358  
OMIT 187  
OPEN 206  
Outlook 319

## P

Parker, Steve 151  
    theFAQs 36  
Planet Clarion 247, 347  
POPUP 87  
    see also ABC, PopupClass  
    copy and paste 113–124  
PopupClass  
    see ABC, PopupClass  
POST 49, 94, 209, 287  
    and threads 280  
PRINT 148–152, 170, 173, 181, 187, 189, 192  
    and updating totals 152  
progress bar 203–208  
    and queue 209–218  
    multiple processes 205–208  
PROP  
    AcceptAll 104  
    Disable 35  
    Fill 153  
    Handle 352  
    Height 173  
    Progress 207  
    RangeHigh 206  
    ScreenText 75, 78, 79  
    SelEnd 76, 79  
    SelStart 76, 79  
    Text 205, 207, 226  
    Timer 209  
    Touched 49  
    Use 107  
    WindowsVersion 370  
    WndProc 352  
PROPSTYLE  
    BackColor 12, 14  
    BackSelected 12, 14  
    FontName 12, 14  
    FontSize 12, 14  
    FontStyle 12, 14

TextColor 12, 14  
TextSelected 12, 14

PUT 12, 179

## Q

QUEUE 11  
QueueAccess 284  
QuickBooks Pro  
    COM interface 358–364

## R

reader/write lock  
    ABC, ReaderWriterLock  
reader/writer lock  
    see also thread safety 279  
RECORDS 12, 204, 208, 217  
Release 289  
Report Writer 195–202  
    advantages 195  
    compiled reports 195–202  
    TXR 196  
reports  
    see also ABC, BreakManagerClass  
    see also ABC, ReportManager  
    adding color 168  
    breaks 147–156  
    calculating totals 157  
    disabling automatic footer printing 169  
    formatting break headers 158  
    formatting header 166  
    hand coding 185–193  
    importing from Report Writer 199  
    improving performance 145  
    omitting PRINT statement 187  
    page form 186  
    printing details 148  
    reprinting break header 157  
    template 186  
    total types 150, 163

- totalling 160
- WithNext 154
- WithPrior 154
- RequestCompleted 41, 57
- ResetFromAsk
  - see ABC, BrowseClass, ResetFromAsk
- RETURN 104
- RIGHT 89
- ROLLBACK 205, 208
- RSS
  - see XML, RSS
- RTF
  - see also ABC, RTFControlClass
  - displaying 19–28
  - header 23
  - specification 23
- RTF Text Control template 22
- RTFControlClass
  - see ABC, RTFControlClass
- RTLlib 357–364

## S

- Sand, Larry 67
- SAX
  - see XML, parsers
- SELECT 25, 76, 81, 108
- SelectRecord 57
- semaphore
  - see also thread safety 279
- SET 79, 181, 182, 189, 205, 207
- SETCLIPBOARD 118, 120, 123
- SETCURSOR 370
- SETTARGET 149, 153, 168, 173
- SHAC Explorer 61
- SHAutoComplete
  - see Windows API, SHAutoComplete
- Shell Lightweight API 67

- Skype
  - adding link to 347
  - API 347–356
- SORT 95
- SQL 128
  - see also database driver
  - SQL
  - vs ISAM 128
- START 280, 321
  - and passing parameters 284
- STATIC
  - and thread safety 283
- StdCom2Cl 358, 380
- STOP 181
- StrCl 358
- SUB 149, 168
- subclassing 352
- synchronization
  - see thread safety
- system tray
  - popup windows 319, 327

## T

- TakeAction
  - see also ABC, RTFControlClass, TakeAction
- TakeNewSelection
  - see also ABC, BrowseClass, TakeNewSelection
- template
  - cancel control 85
  - close control 85
  - DisplayPopupMenu 114
    - Mimic Button 118
    - Normal 118
    - Post Event 118
  - language
    - #AT 122, 226
    - #BOXED 121

#CALL 121, 221, 224  
 #CODE 121  
 #DISPLAY 121  
 #GROUP 221  
 #IF 122, 226  
 #INCLUDE 123  
 #INSERT 121, 222, 223  
 #LOCALDATA 226  
 #PREPARE 121  
 #PROMPT 121, 224  
 #SHEET 121  
 #TAB 121, 224  
 #WITH 121, 222  
 WHERE 121

symbol  
 %ActiveTemplateInstance 121  
 %ClassItem 121  
 %ClassPrompts 121  
 %DataSection 122  
 %False 121  
 %OOPHiddenPrompts 121  
 %ReadABCFiles 121  
 %SetClassDefaults 121

symbols  
 %AddCategory 221  
 %AfterOpeningWindow 226  
 %BeforeGenerateApplication 221  
 %ClassItem 222  
 %ClassPrompts 222  
 %ControlEventHandling 226  
 %GenerateClass 223  
 %GenerateVirtuals 224  
 %OOPPROMPTS 222  
 %ProcessManagerMethodCodeSection 226  
 %ProcessVirtuals 224  
 %SetCategoryLocationFromPrompts 221

TEXT control 61, 113  
 theFAQs 36  
 third normal form 143

ThisReport  
   see ABC, ProcessClass

ThisWindow  
   see ABC, WindowManager

THREAD 279, 283, 287

thread safety 279–282, 283–290, 291–296  
   and ACCEPT 286  
   and atomic operations 287  
   and In-Memory Driver 138  
   and static data 283  
   critical section 284  
   global queues 284  
   likelihood of data corruption 281  
   mutex 288  
   reader/writer locks 291–296  
   shared resources 281  
   synchronization 282

threading model  
   C6 and following 279  
   prior to C6 279

Timer 93, 216  
   and threads 280

TODAY 89

Topspeed files  
   see database driver  
   Topspeed

TPS files 179

Traverse 273

TXR 196

type cast 316

**U**

UPDATE 56

USE 106

USE variable 188

**V**

VAL 26

version information 329–337

## W

WAN

and IP Driver 130

Windows API

AnimateWindow 320, 325

CallWindowProc 351

CoCreateInstance 358

CreateThread 321, 326

CreateWindow 321

DrawEdge 325

EnterCriticalSection 285

GetDiskFreeSpace 341

GetDiskFreeSpaceEx 341

GetDriveType 340, 345

GetFileVersionInfo 331

GetFileVersionInfoSize 331

GetLogicalDriveStrings 340

GetRecordDriveLetter 380

GradientFill 320, 325

HasRecordableDrive 380, 382

LeaveCriticalSection 285

memcpy 334, 351, 354

MultiByteToWideChar 349

prototyping 60

RegisterWindowMessage 350

SendMessage 348, 350, 352

ShAppBarMessage 325

SHAutoComplete 59–69

SHGetFolderPath 369

verQueryValue 331

WideCharToMultiByte 349

WM\_Close 326

WM\_Destroy 326

WM\_Paint 325

Windows API FreeLibrary 310

Windows API GetDiskFreeSpace 310, 312, 318

Windows API GetDiskFreeSpaceEx 311–318

Windows API GetLastError 307

Windows API GetModuleHandle 306

Windows API GetModuleHandleA 306

Windows API GetModuleHandleW 306

Windows API GetProcAddress 303

Windows API GetProcAddress 308

Windows XP CD burn wizard 369

WithNext 154

WithPrior 154

WM\_CopyData 353

Wordpad 19

## X

XML

see also ABC, XMLGenerator

and HTML 232

and SGML 232

CDATA 253, 259

creating 269

CenterPoint library 236, 242

reading 271–275

writing 257–269

CenterPoint vs XMLGenerator 269

DTDs 234

Element 259

introduction to 231–237

parsers 235

DOM 236

CenterPoint 257

SAX 236

RSS 239–245, 247, 255

as email replacement 248

uses 240

validating 254

schemas 234

tag format 232

text 259

ways to read/write 272

writing 239–245

XMLFileToDOM 273

