

Three ways to compact your Access database:

CARE!

1. Backup your ACCESS database before and after you compact it.
2. You need to ensure that all the Win32 API calls are defined. For the ODBC API, the definition is:

```
□wcall 'W_Ini' '[Call]SQLConfigDataSource=L(D hwndParent,D fRequest,*C  
lpszDriver,*C lpszAttributes) ALIAS SQLConfigDataSource LIB  
ODBCCP32.DLL'
```

Using an ODBC API

```
▽ Z←L CompactODBC R  
[1]  A Ajay Askoolum  
[2]  :if 0=ρ(+/φv\(\φR)∈'\')↑R  
[3]    R←(1φ'\',↑↑/□wcall 'GetCurrentDirectory' 256  
(256ρ□tcnul)),R  
[4]  :endif  
[5]  L←R←□wcall 'CharUpper' R  
[6]  ((v\φ'.'=φL)/L)←'.LDB'  
[7]  :if □wcall 'PathFileExists' L  
[8]    Z←0×Msg 'Unable to compact file.',R,' while it is in  
use.'  
[9]  :else  
[10]    :if ×□wcall 'PathFileExists' R  
[11]      L←↑↑/□wcall 'GetTempPath' 256 (256ρ□tcnul)  
[12]      L←↑↑/□wcall 'GetTempFileName' L 'MDB' 256  
(256ρ□tcnul)  
[13]      L←L~□tcnul  
[14]      0 0ρ□wcall 'DeleteFile' L  
[15]      0 0ρ□wcall 'CopyFile' R L 1  
[16]      0 0ρ□wcall 'DeleteFile' R  
[17]      :if 0=Z←□wcall 'SQLConfigDataSource' φ 4 'Microsoft  
Access Driver (*.mdb)' ('COMPACT_DB=',L,'"',R,'">')  
[18]      0 0ρ□wcall 'CopyFile' L R (□wcall  
'PathFileExists' R)  
[19]      0 0ρMsg 'Failed to compact source file ',R  
[20]      :endif  
[21]      0 0ρ□wcall 'DeleteFile' L  
[22]    :else  
[23]      Z←0×Msg 'Unable to locate file ',R  
[24]    :endif  
[25]  :endif  
▽
```

Using the Jet Replication Object

```
▽ Z←L CompactJET R;□wself  
[1]  A Ajay Askoolum  
[2]  :if 0=ρ(+/φv\(\φR)∈'\')↑R  
[3]    R←(1φ'\',↑↑/□wcall 'GetCurrentDirectory' 256  
(256ρ□tcnul)),R  
[4]  :endif  
[5]  L←R←□wcall 'CharUpper' R
```

```

[6]    L←((v\φ'.'=φL)/L)←'.LDB'
[7]    :if □wcall 'PathFileExists' L
[8]        Z←0×Msg 'Unable to compact file.',R,' while it is in
use.'
[9]    :else
[10]        :if □wcall 'PathFileExists' R
[11]            L←↑↑/□wcall 'GetTempPath' 256 (256ρ□tcnul)
[12]            L←↑↑/□wcall 'GetTempFileName' L 'MDB' 256
(256ρ□tcnul)
[13]            L←L~□tcnul
[14]            0 0ρ□wcall 'DeleteFile' L
[15]            0 0ρ□wcall 'CopyFile' R L 1
[16]            0 0ρ□wcall 'DeleteFile' R
[17]            Z←';Provider=Microsoft.Jet.OLEDB.4.0;Jet
OLEDB:Engine Type=5;Data Source='
[18]            □wself←'JRO' □wi 'Create' 'JRO.JetEngine'
[19]            □wi 'XCompactDatabase' (1φZ,L) (1φZ,R)
[20]            0 0ρ□wcall 'DeleteFile' L
[21]            'JRO' □wi 'Delete'
[22]            Z←1
[23]        :else
[24]            Z←0×Msg 'Unable to locate file ',R
[25]        :endif
[26]    :endif
▽

```

Using the Access Application

```

▽ CompactOnClose R;□wself
[1]    A Ajay Askoolum
[2]    :if □wcall 'PathFileExists' R
[3]        □wself←'ac' □wi 'Create' 'Access.Application'
[4]        □wi 'XOpenCurrentDatabase' R
[5]        □wi 'XSetOption' 'Auto Compact' 1
[6]        □wi 'XCloseCurrentDatabase'
[7]        □wi 'XQuit'
[8]        □wself □wi 'Delete'
[9]    :else
[10]        →0×Msg 'Unable to locate file ',R
[11]    :endif
▽

```

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