



**Miva Engine 3.94**  
**Release Notes**

Revision 1.0



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ME1032-01 Miva Empresa and Miva Mia v.3.94

# Miva Engine 3.94

## Release Notes

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Miva Engine 3.94, released May 2002, includes the following:

### Fixed Items

- On Windows NT performing an MvPACK within an MvLOCKFILE block no longer causes a deadlock, which prevented the process with the lock from completing its MvPACK.
- The built-in function `miva_package_extract` no longer produces spurious "access denied" errors when the specified directory does not exist.
- The built-in time function `mktime_t` now uses daylight savings time correctly.
- Using MvUPDATE on a database that has no records no longer corrupts that database.
- Arrays with a very large number of elements no longer crash the engine on Miva Script program exit.
- Various database access tags now properly reset the `Mv(tagname)_ERROR` variables.
- Pressing "stop" on a browser during a large file upload no longer results in an infinite loop in the engine.
- The MvCALL tag will now encode attributes in compliance with RFC1866.
- Commerce Library function `miva_file_resolve` is now correctly exported in Miva Mia.
- Fixed a security bug in the AuthorizeNet commerce library.
- Crash no longer occurs when within an MvIF statement, MvDO calls a function (within the same file) that has an MvEXIT call inside it.

### New Features

#### **MvCALL now supports SSL**

When the URL includes "https" as the protocol, OpenSSL has been installed and the files are available (SSLEAY32.DLL and LIBEAY32.DLL for Windows; libssl.so and libcrypto.so for Unix), the connection is attempted using SSL.

On Unix, set the paths for the SLL files (if a path is not specified, the Engine will search for the file):

- for libssl.so, use the new configuration directive "openssl."
- for libcrypto.so, use the new configuration directive "openssl\_crypto"

## SSL Certificates

On Unix, copy the SSL certificate files to a directory of your choice, such as the etc/miva/certs directory. You must enter the new configuration directive "cadir" into your miva.conf file to direct the engine to locate these certificate files.

On Windows, the installation automatically places the SSL certificate files below the installation directory of the Engine.

## New System Variable

The system variable miva\_sslavailable will allow Miva Script programs to determine whether or not SSL is available (returns 0 or 1).

## MvCALL Method Takes XML

The MvCALL METHOD now takes "XML" as a valid value, which will result in a POST with a content type of "text/xml", and the values of the variables listed in the FIELDS attribute being passed in the header.

## New Configuration Options (Directives)

- cadir  
Defines where the engine looks for the SSL certificate files. (See "MvCALL now supports SSL" above)  
value: full path to directory
- openssl  
Defines where the engine looks for the SSL file, libssl.so.  
value: full path to directory
- openssl\_crypto  
Defines where the engine looks for the SSL file, libcrypto.so.  
value: full path to directory
- Two new configuration settings are used to prevent infinite loops when globaltimeout is set to zero, and an operation which requires looping for guaranteed completion, such as finishing an MvLOCKFILE block.
  - filetimeout  
value: milliseconds, defaults to 30
  - filedelay  
value: milliseconds, defaults to 100

## ISAPI

ISAPI now uses per-thread heap memory allocation to improve scalability.