



**Miva Empresa with Virtual Machine 4.11**  
**Release Note**  
Revision 1.0

## Bugs Fixed:

1. ICS2 on FreeBSD 4.5 (pthread) now loads correctly.
2. The LinkPoint commerce library no longer requires address information to be passed in for a POSTAUTH transaction.
3. The LinkPoint commerce library now uses the new LinkPoint XML over HTTPS interface.
4. LinkPoint will cease to support their old interface as of 1JAN2004, so upgrading to this version [or LinkPoint commerce library 3.9703 or greater] is required before that date.
5. fsymlink and ssymlink return 1 on success, 0 on failure. This is consistent with 3.x Empresa and the documentation. Note that the Miva API still returns 0 on success, -1 on failure per the Miva API documentation.
6. Numbers that round to an even power of ten no longer drop trailing zeros. Note that this truncation was in displaying, not internal representation or storage, if that's any comfort.
7. MvSMTP now no longer truncates email that contains only a single period, per RFC 821.
8. MvSMTP now reports errors occurring during the DATA portion of the email.
9. ftime and stime now correctly work on UNIX platforms.
10. MvIMPORT now correctly imports files that have the lines terminated by CR (ascii 13) only. These are frequently found on Macintosh computers.

## New Features:

1. Linkpoint commerce library: This commerce library now takes two new fields: req\_avs\_reject\_addr and req\_avs\_reject\_zip. They should be set to 1 to turn on AVS rejection of address number or ZIP code, respectively.

If the store is in TEST mode, having req\_avs\_reject\_zip set to true will cause transactions to consistently DECLINE, as the test response from LinkPoint will always return 'N' for the ZIP code AVS code.

2. LinkPoint commerce library: If the sale type is "SALE", and either the req\_avs\_reject\_addr or the req\_avs\_reject\_zip fields is set, the commerce

library will perform a PREAUTH transaction, analyze the AVS return codes, and perform the POSTAUTH transaction if the AVS code returned from LinkPoint is not "Y".

Miva Merchant 4.22 or higher is required to use the new req\_avs\_\* fields.

3. MvCALL now supports two new attributes: CERTFILE and CERTTYPE. CERTFILE resolves to a location in the data directory containing a certificate or set of certificates. CERTTYPE must be either "PEM" or "ASN1".