

Environment Manager

Release Notes (version 8.3.192.0)

AppSense Environment Manager (version 8.3.192.0) release notes include:

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Components in this Release

Component	Version
Agent	8.3.192.0
Personalization Server	8.3.192.0
Browser Interface	8.3.192.0
Console	8.3.192.0
Tools	8.3.192.0
Documentation	8.3.22.0
Personalization Database Schema Version	773

Important Upgrade Information

Environment Manager 8.1 introduced a significant change to the configuration format, and as a result configurations created prior to 8.1 (for instance 8.0) cannot be read by 8.1, 8.2 or 8.3 agents. These configurations **must** be upgraded.

For all upgrades it is important to use a configuration that matches the installed Environment Manager client software.

The required utilities have been updated. See [Required Utilities and Components](#)

For more information, *including the new handling of Desktop Settings and Session Data*, please refer to the Environment Manager Installation guide which contains detailed instructions on how to upgrade.

Microsoft SQL Server 2000 Deprecation

Microsoft SQL Server 2000 database support is being deprecated. Environment Manager 8.3 allows upgrades of a Personalization Database using SQL 2000, but does not allow clean installations.

Upgrades will be blocked in a future release.

New Features

There are no new features introduced in this maintenance release. There is, however, an extension to the supported databases as detailed below.

Microsoft SQL Server 2012 Support

Personalization Server database support has now been extended to work with Microsoft SQL Server 2012.

Bugs Fixed

The following customer reported issues have been resolved in this release:

Bug#	Title	Details
34120	EM 8.1 console, copy and paste applying intermittently	The 8.0 console allows actions to be created in the Computer section with incorrect run as settings. This means that actions can be copied from the user to the computer section without error - this is not the case in 8.1 or later configs. However these issues were not fixed on upgrade so 8.1 and later consoles will generate an error if the action is moved from user to computer nodes. The upgrade code now detects and fixes invalid run as entries
35174	Import Registry File attempting to import single value twice	Importing a registry file through the Registry Import Dialog, in the Console, can result in validation errors if the registry file contains more than one section referring to the same registry key.
35447	Explorer.exe crashes	Customer issue with EM Agent crashing due to an internal corruption when reading ACL data supplied from the Personalization database. This area of code is used in 8.3 and has now been fixed.
35640	Import into Personalization Analysis doesn't overwrite unless in RAW mode	A file will be imported incorrectly, using Personalization Analysis of the Console, when the "Folder Display" dropdown of the "Edit application file list" dialog is not set to "Raw" mode. The Console is setting the "Relative Path" database field of the imported file as the translated path and not the CSIDL path (e.g. "users\jdoe" instead of "{CSIDL_PROFILE}")
36139	EM 8.2 Cannot import or paste If Else Conditions	Attempts to import an XML snippet containing an If Else condition failed with the error: "Importing the XML snippet failed" The following actions are not allowed in the selected trigger. If you wish to continue the import these actions and any child actions will be removed node\If Else Group\Else If node\If Else Group\Else If"
36140	Logarithmic chart loses horizontal scale in PS Analysis	Displaying logarithmic charts, in Personalization Analysis of the Console, can sometimes appear as if the horizontal scale is missing. This is caused by an error when calculating the horizontal scale.
36327	EM Console Problem with ADM(X) in MUI Environments	When creating a configuration using ADMX actions using a custom path to the ADMX files (and appropriate EN-US subfolder), the actions cannot be edited from a machine using a different language. The following error message is displayed: "Group Policy Editor Error An error occurred when reading the Group Policy files. Please check path and try again."
36383	EM Console becomes unresponsive while copying a special node from one config to another	When copying actions from one configuration to another (two EM Consoles open), the target console can lock up.

Bug#	Title	Details
36757	EM Task description dialog version number incorrect	When a config is opened as read-only, the package version number is not incremented when the user attempts to save it back to the AMC
36797	EM User Logoff actions not running	The EM Core Service registers with local policy for logoff and shutdown actions. This does not take into account any already registered extensions and may not preserve the registration order correctly which prevents EM logoff and shutdown events from running. This has now been addressed.
36799	Cannot add HKCU self heal action within reusable node	When adding a registry self heal action in a reusable node the "Main Key" contains HKEY_LOCAL_MACHINE by default. The user cannot delete this entry to change it to HKCU and when using the ellipsis, HKLM is the only option available. However, It is possible to add a HKCU self heal action in a logon node and copy it into the re-usable node. This limitation has now been addressed
37649	Classes not migrated to Session Data	Entries in the HKCU\Software\Classes key are not being migrated from Desktop Settings to Session Data when upgrading from 8.0 to 8.2
38018	AppSense EM Policy Template Import Issue	When importing a snippet which fails validation, the first item in the tree is listed rather than the item that failed.
38024	Cannot delete Run As User Library entry if it has previously been referenced	The console "Run As" page does not remove the reference to any assigned Run As user library item when the setting is changed from "User" to "Current User" or "System". This prevents that user from being deleted from the library as the library thinks that the item is in use
38025	Unmap at log off removing all users printers	Revert actions for Map drives and Printers always run, even if the main action may never have been successfully applied (i.e. a condition prevented the action from being applied or an error occurred when running the action). This has the effect of removing printers and drives that the user has mapped outside EM
38031	Expandable Environment Variables set as REG_SZ not REG_EXPAND_SZ	The Environment Variable action doesn't set environment variables in the registry as type REG_EXPAND_SZ when the value contains an environment variable (e.g. %TEMP%)
38144	Disabled ADM Policy deletes entire key	Disabling an ADMX policy in the Console will cause the underlying registry key to be deleted. This is by design, but can cause an issue where an ADMX policy set in one action is being unintentionally removed by a disabled ADMX action in another node, where both policies are affecting the same key.
38305	Folder Includes/Excludes with variables in path are not honoured	If a personalization folder include or exclude contains an environment variable in the path, the include/exclude does not get applied correctly by EM

Bug#	Title	Details
38306	Event 9662 always logged as NTAUTHORITY\System	From EM 8.1, auditing of Event ID 9662 "all the actions have run for the trigger" will always report the user field of the audit entry as NTAUTHORITY\SYSTEM. This is a change from EM 8.0 where only Computer Triggers were audited as NTAUTHORITY\SYSTEM and User Triggers were audited as the logged on user for the session. This behaviour has been changed back to that of 8.0
38442	Upgraded EM 8.2 policy (IsAdministrator)	Upgrading a configuration from EM 7.2 to EM 8.0 can result in the 'Is Administrator' condition not having a 'Value' attribute set. An EM 8.0 agent will implicitly interpret the lack of the 'Value' attribute as 'False'. Upgrading the config to EM 8.2 will cause the console to implicitly interpret the lack of the 'Value' attribute as 'True' when it generates the EM configuration file. The behaviour of the condition should remain the same after upgrading from EM 8.0.
38452	EM 8.2.206 Console - Summary Reusable Nodes are not correct	Reusable nodes usage summary was reporting reusable nodes used in session reconnected and session disconnected triggers the opposite way round
38544	Cannot add reusable condition at root of process start sub node	When creating a sub node of a process start node to contain relevant actions, you cannot reference a reusable condition without first adding a User Process Start condition, even though this isn't required if stop if fails is set on the parent node's User Process Start condition
38738	EM 8.2 Powershell Custom Action question	Powershell custom actions that run under the user context load the user's PowerShell \$profile. This has been modified so the scripts now run with the "-noprofile" option
38929	Unable to set User variable with EM COM Interface	When trying to set an environment variable using the EM Environment variable COM DLL via a custom script, the variable is created as a system variable when a user variable is requested.
39183	AppSense-Bug (If Else Condition)	When configuring a "Flow-Control" If Else Condition in EM, entering a hyphen in the 'If Group description' field causes all text to be truncated after the hyphen when the If Condition is next edited
39263	Inconsistency in console when adding Reusable Conditions to a Process Started/Stopped sub node	When adding reusable conditions to a Process Started or Process Stopped node, you are unable to add the reusable condition to a sub node of the Process Started/Stopped node via the ribbon. However, you can click and drag the RC to the sub node. You can't click and drag the RC to the Process Started/Stopped node itself, but you can add it via the ribbon.

Bug#	Title	Details
39264	Keyboard layout substitution does not refresh with EM	Keyboard layouts were not persisting with EM until users opened the keyboard properties and clicked OK. The problem is that when a language has more than one keyboard layout added then the refresh is not taking into account the substitute layout
39480	EMPMigrate failing due to missing UserUserGroupStatus entry	Customer reported several users were not being migrated by the EMPMigrate utility due to an error "Exception: Invalid attempt to read when no data is present". This was due to missing rows in UserUserGroupStatus which are now added by the database upgrade script
39517	Users prompted to insert smartcard during logoff	Smartcard users who have removed their smartcard once logged on (due to the "Interactive logon: Smart card removal behavior" GPO set to "No Action") are prompted to insert their smartcard at logoff. This is caused by EM attempting to export the user's certificates which requires the smartcard.
39555	Management Console Crash when generating EM Report	Attempting to generate a report of Events 9409 and 9410 (EM Statup Action Completed Successfully and EM Statup Action Failed To Complete Successfully). When generating the report, the Management Console crashes with a .net "NullReference" exception. This was caused by the Computer Startup action report treating data as all of the same case when in reality the same value could be mixed case
39556	EM Console - Unmap drive action unapply issue	The unmap printer action had an option to "unmap at logoff" which is confusing. This has been removed
39561	EM exclusion not working?	When running a node with a 'Delete File' action with *.* included. Any excluded files extensions are not being processed.
39956	Replication issues	The 'trgApplicationData' user trigger on the [ApplicationData] table does not specify 'NOT FOR REPLICATION' when an insert / update / delete is made to application data on one server, the trigger fires to recalculate size (a relatively expensive size recalculation operation), the data is then replicated (as per schedule) to the other server at which point the insert / update / delete causes the trigger to fire again to recalculate size (which has not changed)
40068	EM 8.3 Documentation issue for SQL Replication	"Appendix G - Personalization Database Replication" in the "AppSense Environment Manager Product Guide" had some unclear steps that might have caused replication to be set up incorrectly. These have been updated.
40302	EM Guide for Mirroring omission	"AppSense Environment Manager Product Guide" updated to correct a step in setting up SQL Mirroring which may have led to mirroring not being configured correctly.

Bug#	Title	Details
40383	Group Membership Rules missing after upgrade from 8.2.216 to 8.3.157	Personalization Group membership rules do not always display correctly in the console after importing a configuration XML containing these rules.
40833	APPSENSESPECIAL logoff actions not working after upgrade to 8.3	Processes that start during the course of logoff do not run any actions on the process start trigger
40924	EM 8.3 registry virtualization request fail in logs / events	The console is (incorrectly) generating virtual actions for all triggers instead of just user process start / stop triggers. These extra actions fail to run and this is getting audited
41067	Environment Manager Personalization fails after config change	If the configuration.aemp file is changed mid-session the Personalization Server list is cleared but not recreated. This results in personalization settings failing to synchronize back to the server.

Known Issues and Limitations

The known issues and limitations are now detailed on myAppSense. Navigate to www.myAppSense.com, log in and select **Software > Environment Manager > Known Issues**.

Recommended Settings

Ref#	Details
24558	When using the Published Application Name condition with XenApp 6 published applications, the following Citrix hotfix must be applied: http://support.citrix.com/article/CTX128142
31348	Acrobat Reader X crashes if personalized when run in protected mode. To protect against this, acro32.exe v10.* has been blacklisted. In order to personalize it, remove the blacklist entry and disable protected mode by setting the following registry value: Key: HKCU\Software\Adobe\Acrobat Reader\10.0\Privileged Type: REG_DWORD Value: bProtectedMode Data: 0 Note: The Privileged key may not exist and should be created.

Supported Operating Systems and Technologies

The supported Operating Systems and Technologies are now detailed in a compatibility matrix available on www.myAppSense.com (select **Software > Environment Manager > Compatibility Matrix**).

Required Utilities and Components

Component	Required Utilities and Components
Client	Microsoft Windows Installer 3.1 – minimum requirement (included in Microsoft Windows Server 2003 Service Pack 1)
	Microsoft Core XML Services (MSXML) 6.0 XML Lite 1.0.1018.0
	Microsoft Visual C++ 2010 Redistributable Package
Personalization Server	Microsoft Windows Installer 3.1 – minimum requirement (included in Microsoft Windows Server 2003 Service Pack 1)
	Microsoft .NET Framework 3.5
	Internet Information Services (IIS)
	Microsoft Visual C++ 2010 Redistributable Package
	Microsoft ASP.NET 2.0
	Microsoft Core XML Services (MSXML) 6.0
Browser Interface	Microsoft Windows Installer 3.1 – minimum requirement (included in Microsoft Windows Server 2003 Service Pack 1)
	Microsoft .NET Framework 4.0
	Microsoft ASP.NET 4.0
	Internet Information Services (IIS)
User Interface	Microsoft Windows Installer 3.1 – minimum requirement (included in Microsoft Windows Server 2003 Service Pack 1)
	Microsoft .NET Framework 3.5
	Microsoft Visual C++ 2010 Redistributable Package