

# Symantec™ ESM 6.5 agents for Itanium/OpenVMS Release Notes





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# System requirements for installing ESM agents for Itanium/OpenVMS

This chapter includes the following topics:

- [System requirements](#)
- [Operating requirements](#)

## System requirements

Computers that have OpenVMS operating systems must meet the minimum requirements to install and run the Symantec ESM software.

## Operating requirements

Computers that install Symantec ESM must meet the following minimum hardware and Software requirements:

- HP Itanium Integrity servers/OpenVMS V8.2-1, V8.3 and V8.3-1H1.
- 45 MB of free disk space.
- User account with SYSTEM privilege or any other user account with the minimum privileges.

The ESMSETUP.COM command procedure performs certain functions that require specific privileges. For example, registering an ESM agent, configuring the network settings for Symantec ESM, and starting up or shutting down the ESM agent.

Following are the privileges that the account must have to invoke the ESMSETUP.COM command procedure:

- CMKRNL
- PRMMBX
- TMPBMX
- OPER
- SYSPRV
- NETMBX
- SYSNAM
- EXQUOTA
- SYSLCK
- DETACH
- SETPRV
- WORLD

# What's new

This chapter includes the following topics:

- [New features](#)

## New features

This release of ESM agents for Itanium/OpenVMS contains the following new features and functionalities:

- **Two new checks on SYSGEN Audit and Alarm**  
A request was made to include the checks on SYSGEN Audit and Alarm activities. Symantec added two new checks to audit SYGEN activities. Symantec modified the common .m file and added new codes to process the above checks.



# Enhancements and resolved issues

This chapter includes the following topics:

- [Enhancements](#)
- [Resolved issues](#)

## Enhancements

This release includes the following enhancements:

- **Non-Existing and Empty directory issue**  
Fixed the unexpected system error to resolve non-existing and empty directory message reported on ESM console.
- **Check user's default privileges along with authorized privileges**  
Policy run failed and ESM did not generate any report due to the problem with unchecked default privileges.. Symantec fixed this issue by testing the default privileges along with the Authorized privileges for user account.
- **Bad device protection error**  
ESM reported a bad device protection error due to disk device protection in VMS version 8.3, which is different than VMS 7.x. Symantec fixed this error to accept the device protection set to S:RWED, O:RWED, G:RWED, W:RWED.
- **No Directory error**  
Whenever the directory file attribute was changed to NODIR, ESM reported a "No Directory" error. Symantec added the new program SYSERRMSG\_RPT.C and a new .m file called VMSCOMMON.M . Also, Symantec added a new check and corresponding processing . This issue was resolved.
- **Error loading modules and templates during agent registration**

This error occurred because of a bug in the substring function that extracted the .m files version and templates files version. The source was modified, so as to not extract the files versions. The issue was resolved..

- FILEACCESS Audit and Alarm activities not reported on VMS 8.x version  
ESM reported no File Access Audit and Alarm activities on OpenVMS V8.x. Symantec edited the source to report the File Access Activities for VMS server V8.x.
- Registration failure during communication product check  
ESMSETUP Registration failed in TCPWare and MultiNet networking environment, because the ESMSETUP.COM procedure code had the bug testing the underlying TCP/IP product in the environment. Symantec added the code to check the installed TCP/IP product correctly to avoid the registration error.
- FILE ACCESS Audit and Alarm checks report incorrect information  
The FILE ACCESS Audit and Alarm checks reported partial information about FILEACCESS Audit and Alarm checks. The code had a bug checking the Audit and Alarm activities on the above checks. Symantec modified these issues by adding to the process above. Audit and Alarm checks properly.
- Error modifying device.Device is invalid for requested operation  
ESM used to report this error when the esmsetup runs at the initial PHASE of the System STARTUP procedure and in non-interactive mode.The esmsetup is trying to access I/O device before the device is initialized by system startup procedure. Symantec modifiedthe code to make sure I/O device access is done only in the INTERACTIVE mode.
- File Attribute module fails to report to the console  
The checks of the File Attribute module failed to read the template and report to the ESM console. The problem is with the code that failed in comparing Operating System type and Template type. The issue was resolved.All checks report correctly.
- ESMMODD service startup problem during system reboot  
A problem exists with ESMMODD service, which used to be disabled at each system reboot. The problem was that ESMTCP\_SETUP procedure entry was missing in the SYSMAN database. Symantec modified the code to add ESMTCP\_SETUP procedure in the SYSMAN database and changed the run phase characteristics of the ESMTCP\_SETUP procedure.
- Certain checks report incorrect information.  
The following checks had a bug in processing Audit and Alarm activities:
  - Accounting
  - Mount

- Breaking
- Logfailure
- Audit and alarm  
Symantec is in the process of rewriting the code to process the Audit and Alarm activities for the above checks.
- ESM configuration menu options, startup and shutdown, are not worked properly.  
The startup option code had a bug iwhen starting the ESMMODD service and testing the ESMTCP\_SETUP entry in SYSMAN database. The issue was resolved by adding UCX SET NOSERVICE and UCX enable service command. Symantec modified the code to create the ESMTCP\_SETUP procedure file with the above UCX commands. The SHUTDOWN menu option code had a problem Removing or Deleting the INSTALLED images in common memory, which crashed the system when this menu optionwas chosen before running any other menu options. The issue was resolved.
- MODINPUT failed during the communication with the ESM manager  
A problem exists with the code that finds the underlying TCP layer protocol name. The issue was resolved when -t is passed as one of the command line parameters.
- Missing OS details in the console  
The agent record in the CDB file was missing in the OS Details (in ~C field) of the agent. This field has the OS details value to display in the console. This field has not been implemented in all of the legacy platforms. So, this field has been added in the agent record and the register program has been modified to populate this field with the agent's OS details. Now, both CCS and ESM display the OS details in the console.

## Resolved issues

This release includes the following enhancements:

- Adds X/Open supported C Run Time functions  
Replacesold CRTL functions for the portability purpose.
- Adds conditional compilation MACRO (.IIF DF,IA64,OPERATION) for code specific to IA64. AddsAlpha in all the MACRO 32 programs.
- Includes architecture definitions to compile VMS sources (C and MACRO 32 programs) on Itanium, and Alpha.
- Defines ARCH\_NAME, BIGPAGE, ADDRESSBITS(32), and \$IA64\_LINKAGES in all MACRO 32, C and C++ programs.

- Adds macro declarations for 64 bit address conditional compilation for all MACRO programs.
- Operating system used to crash during template update processing. Tthe system crash was caused during the template version check. This issue was resolved. The system no longer crashes when you use the Template update task..
- Modifies the ESM configuration menu options, such as Network and Register to make sure ESMTCP\_STARTUP.COM file has been created with the necessary commands. Symantec tested SYSMAN availability before adding ESMTCP\_STARTUP.COM procedure in SYSMAN database. The code was modified to run ESMTCP\_STARTUP at the END PHASE of the system STARTUP procedure; esmmodd service properly enabled and disabled.