

IBM Tivoli Monitoring V6.2.3

Self-describing agent implementation



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IBM Tivoli® Monitoring V6.2.3, self-describing agent (SDA) implementation. This module provides a brief overview of how SDA is implemented.

Assumptions

The module designer assumes that you know the following information:

- Are familiar with IBM Tivoli Monitoring software
- Have administrative access to perform installation and configuration tasks

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Objectives

When you complete this module, you can perform the following tasks:

- Identify Self-Describing Agent limitations and deployment information
- Identify SDA default values
- Identify products that are capable of implementing SDA
- Identify products that are excluded from implementing SDA
- Identify steps in the installation and configuration of SDA

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Overview

- SDA and existing product installation methods
- SDA default values
- IBM Tivoli Monitoring (ITM) V6.2.3 General Availability (GA) SDA enabled products
- Product excluded from SDA
- Installation and configuration

This module provides a brief overview of the Self-Describing Agent feature and how it works with existing product installations, SDA defaults, SDA enabled products, products excluded from SDA, and brief installation and configuration.

SDA and existing product installation methods

- SDA follows the same Tivoli Enterprise Management Server (TEMS) and Tivoli Enterprise Portal Server (TEPS) product installation methods as existing installation programs to maintain consistency of installation
- IBM Tivoli Monitoring product version files for TEMS and TEPS provide product version details that are used by the SDA installation process
- SDA installation uses product version information to determine whether new or updated product support is available
- Limitation - In cases where TEMS product support file is not available SDA installation version checking cannot be done

To implement SDA, the product installation methods are the same as existing installation programs to maintain consistency. The IBM Tivoli Monitoring product version files are used by the SDA installation process to determine whether new or updated product support is available. There is a limitation on z/OS® as it does not have product support version files.

SDA default values

- SDA function is shipped OFF by default
- SDA is easily enabled by changing a parameter in the hub TEMS (HTEMS) and then recycling the HTEMS
- The HTEMS SDA dictates if SDA is enabled or not
- Remote TEMS (RTEMS), TEPS, and SDA packaged agents are all shipped with SDA enabled but it is benign without the HTEMS being enabled
- z/OS TEMS requires z/OS UNIX System Services (USS) and Java™ prerequisite configuration before SDA can be turned on

SDA is shipped **OFF** by default on the hub TEMS and **ON** at the remote TEMS, TEPS, and SDA packaged agents. In z/OS the TEMS requires UNIX System Services (USS) and Java prerequisite configuration before SDA can be turned on.

IBM Tivoli Monitoring V6.2.3 GA SDA enabled products

- Products enabled for SDA
 - UNIX® OS agent
 - UNIX Log agent
 - Windows® OS agent
 - Linux® OS agent
 - Agentless Remote OS agent (all platforms)
 - Agent builder
 - Agent factory
 - Warehouse proxy agent
 - Summarization and pruning agent

The products which are enabled for SDA includes: UNIX OS agent, UNIX Log agent, windows OS agent, Linux OS agent, agentless remote OS agent (all platforms), agent builder, agent factory, warehouse proxy agent, and the summarization and pruning agent.

Products excluded from SDA

- Products excluded from SDA
 - Universal agent
 - Tivoli Performance Analyzer
 - OMEGAMON® agents
- Tivoli Enterprise Portal desktop clients are not supported

The Universal agent is not planned to support SDA, the ITPA and OMEGAMON agents might be considered for future releases. The TEP Desktop client is not supported.

Installation and configuration

- Agents must provide SDA feature support
- Install IBM Tivoli Monitoring version 6.2.3 TEMS, TEPS and TEP browser client
- Configure HTEMS for SDA Support
 - Distributed platform add **KMS_SDA=Y**, there are no SDA configuration prompts or panels
 - z/OS HTEMS and RTEMS are configured using Installation and Configuration Tool (ICAT)
 - In ICAT, enable or disable SDA settings for z/OS TEMS and agents
 - Specify path for UNIX System Services SDA directory
 - Specify path of UNIX System Services Java installation location
 - Verify that there is adequate space in UNIX System Services
 - Verify proper authorization is set for the TEMS (read and write)

Installation and configuration.

To install SDA feature, the agent must provide SDA feature support.

Install the version 6.2.3 at the TEMS, TEPS, and TEP browser. Add parameter **KMS_SDA=Y** at the HTEMS.

The distributed platform does not have SDA configuration prompts or panels. The z/OS configuration can be performed in ICAT. In ICAT, you can enable or disable SDA settings, specify the UNIX System Services SDA directory, and specify the UNIX System Services Java install location. You must verify there are adequate spaces in USS and proper read and write authorization for the TEMS address spaces.

Summary

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Summary.

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