FUJITSU

White Paper
FUJITSU Software Infrastructure Manager:
Third Party vendor device support

Features and functions supported with the third party vendor device management using FUJITSU Software Infrastructure Manager

Executive Summary

This document describes the features supported with third party vendor devices and highlights the possible caveat which needs to be considered while tracking the third party vendor devices using the converged life cycle management software "FUJITSU Software Infrastructure Manager" (hereafter referred to as ISM).
This document does not guarantee support for all ISM operations and support fixes for possible issues with the third party vendor devices.
The third party vendor devices or products referred to in this document are the hardware which is not listed in the Support Matrix or the data sheet under the supported nodes.
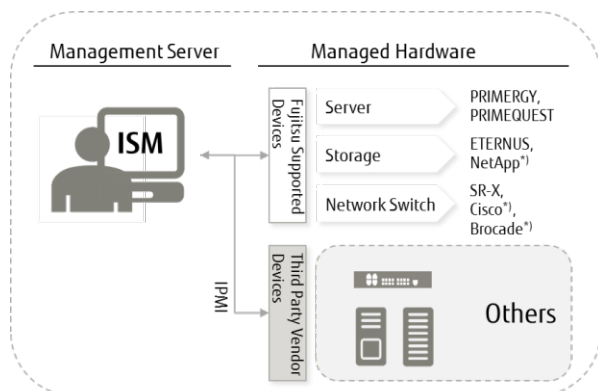
Devices supported on ISM

This section describes devices ISM can manage, ISM operational availability when connected with the third party vender devices, and inquiries.
Target products or devices that ISM can manage:
The target devices that ISM can manage can be classified into 3 categories:

1. Fujitsu owned and supported hardware platforms:
    This includes servers, storages, and network switches that are supported.
    The model names currently supported are listed in the datasheet and are available in the link below. Any additional FUJITSU products supported will be updated in the datasheet.
    https://sp.ts.fujitsu.com/dmsp/Publications/public/ds-ism.pdf

2. Third party vendor devices supported by Fujitsu:
    These devices go through the Fujitsu testing and qualification process. The model names currently supported are also listed in the support matrix.

3. Third party vendor devices excluding category 2:
    The list of products which are not categorized above and does not go through the Fujitsu testing and qualification process come under this category. Since, these products do not go through the extensive qualification and testing process, certain functions in ISM are restricted on these devices. The next section in this document defines what features and functions that are supported using ISM on the third party vendor devices. One of the mandatory requirements to use ISM to manage the device is that it has to be IPMI compliant. BMC based on IPMI interface is required to be mounted on the identified third party vendor devices, which need to be monitored by ISM.

*) Third Party Vendor Devices as supported by Fujitsu

ISM operations available when connected with third party vendor devices

The operational availability of ISM is described when the third party vendor devices are managed by ISM. The information that ISM can acquire depends on the device itself. Hence, even if ISM manages third party vendor devices, not all the operations in ISM can be guaranteed.

ISM functions supported with third party vendor devices include:

■ Registered hardware is displayed in the Datacenter rack view
■ The information of the mounting position in the rack that was set when the hardware was registered to ISM, is displayed on the screen.
■ Display 3D View
■ It displays floors, racks, and device positions within the racks in three dimensional images.
■ Display hardware status
■ It displays the hardware status using icons.
■ Receive SNMP trap
■ It receives incoming event notifications (SNMP traps) from the hardware.
■ Display SNMP trap message
■ ISM displays the SNMP trap messages received from the hardware.
■ Display Virtual Machine and Virtual Resource Information
■ ISM displays information of virtual machines and resources acquired from the virtual management software.
■ Display the following operation status of the hardware
    CPU usage
    Disk R/W speed
    Memory usage
    Network traffic speed
■ Display power consumption
    The current power consumption value can be confirmed if it is a device that the power consumption value can be retrieved for.
■ Power Capping (only the hardware IntelDCM support)
■ For the devices mounted in the racks, power capping is executed to avoid exceeding the set upper limit value of the power consumption.

Please refer to the documents indicated in the appendix below for more details on each function.
The status of ISM functions may differ depending on the third party vendor devices. For details and queries on third party device management by ISM, please contact your local Fujitsu customer service partner.

Conclusion

ISM provides a converged view of the entire datacenter, which includes third party vendor devices. This helps to track and highlight the status of these devices through a single user interface. To manage the third party vendor devices through ISM, the devices are required to have BMC based on IPMI interface for communication. The information that can be retrieved and managed by ISM on the third party devices are dependent on the device itself. Also note that the information that can be obtained for each third party vendor device varies.

Appendix

Please check the following URL.

- ■ Infrastructure Manager
  http://www.fujitsu.com/fts/products/computing/servers/infrastructure-management/
- ■ IntelDCM Supported Servers
  https://www.intel.com/content/dam/www/public/us/en/documents/technical-specifications/int_dcm_supported_servers.pdf

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