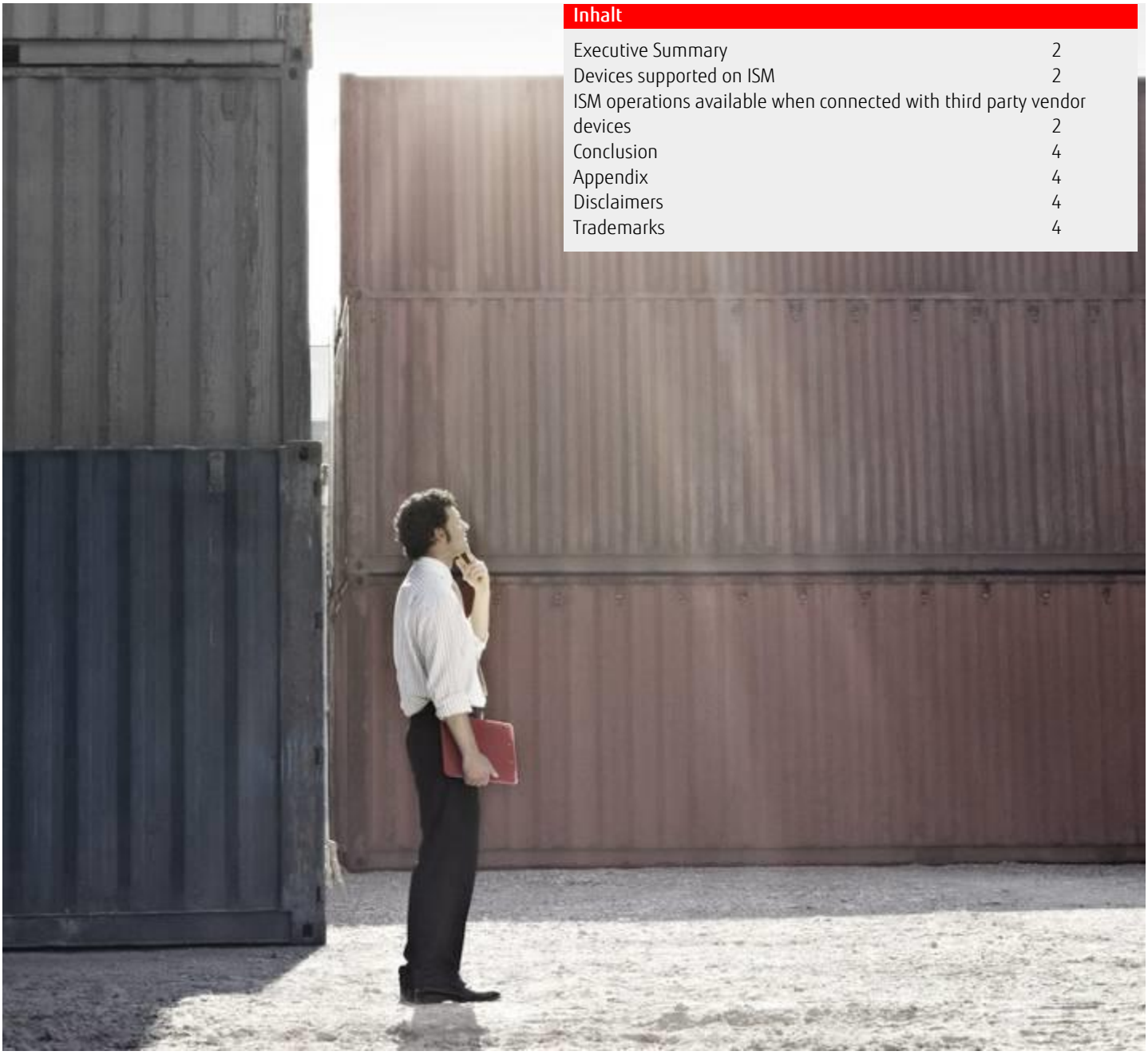
White Paper
FUJITSU Software Infrastructure Manager: Third Party vendor device support

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



Inhalt

Executive Summary

This document describes supported features, caveats of third party vendor servers, and other devices when using FUJITSU Software Infrastructure Manager (hereafter referred to as ISM). This document does not guarantee support for all ISM operations and fixes for all possible issues with third party vendor devices.
The third party vendor servers and other devices referred to in this document are about hardware that is neither listed in the Support Matrix nor in the datasheet (under supported nodes).

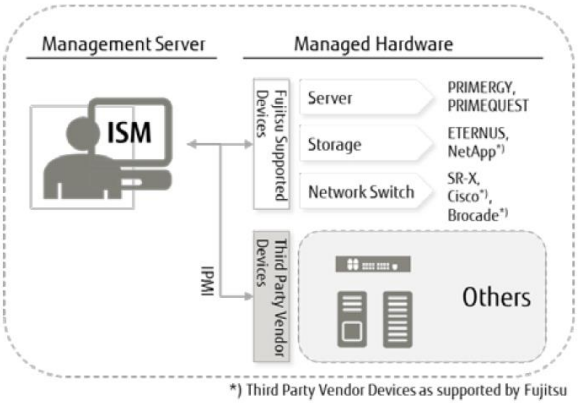
Devices supported on ISM

This section describes devices ISM can manage. They can be classified into three categories:

1. **Fujitsu owned and supported devices :**
   This includes servers, storages, and network switches that are supported.
   The models currently supported are listed in the datasheet, which is available in the link below. Any updates can be found there.
   https://sp.ts.fujitsu.com/dmsp/Publications/public/ds-ism.pdf

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

3. **Third party vendor devices excluding category 2:**
   Third party vendor devices that are not supported (i.e. excluded of category 1 and 2) fall in this category. It can be distinguished between standard x86 servers and other devices. 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, which features and functions are supported using ISM on these third party vendor devices. One of the generic prerequisites is compliance with the IPMI interface for communication with the BMC mounted on the respective third party device.



Available ISM operations with third party vendor devices

Available functions are not only dependent on third party vendor devices, but also on the ISM edition (Essential, Advanced, for PRIMEFLEX). Please find supported functions in the table below.
Please note that. The information ISM can acquire depends on the third party vendor 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:

Please refer to the documents indicated in the appendix on page 4 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.

Category-3 third party devices	ISM Advanced/ISM for PRIMEFLEX			ISM Essential		
	Standard x86 servers	SNMP compliant device	Other	Standard x86 servers	SNMP compliant device	Other
■ Registered hardware is displayed in the data center 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.	x	x	x	-	-	-
■ Display 3D View It displays floors, racks, and device positions within the racks in three dimensional images.	x	x	x	-	-	-
■ Display hardware status It displays the hardware status using icons.	x	x	-	-	-	-
■ Receive SNMP trap It receives incoming event notifications (SNMP traps) from the hardware.	x	x	-	x	x	-
■ Display SNMP trap message ISM displays the SNMP trap messages received from the hardware.	x	x	-	x	x	-
■ Display Virtual Machine and Virtual Resource Information ISM displays information of virtual machines and resources acquired from the virtual management software.	x	-	-	-	-	-
■ Display the following operation status of the hardware CPU usage Disk R/W speed Memory usage Network traffic speed	x	-	-	-	-	-
■ 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.	x	-	-	-	-	-
■ Power Capping (only the hardware Intel DCM support) For the devices mounted in the racks, power capping is executed to avoid exceeding the set upper limit value of the power consumption.	x	-	-	-	-	-

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/
- Intel DCM Supported Servers
  https://www.intel.com/content/dam/www/public/us/en/documents/technical-specifications/int_dcm_supported_servers.pdf

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