FUJITSU Software

ServerView Infrastructure Manager V2.1

General Standards for Disk Usage in Using Log Management Function

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Modification History		
Edition	Publication Date	Modification Overview
01	July 2017	First Edition
02	August 2017	Added the hardware model for Log Collection Target and Standards Capacity
03	September 2017	Ditto

ServerView Infrastructure Manager V2.1 is capable of periodically collecting logs from nodes and accumulating them on ISM-VA by using the Log Management function. This document provides the information on the area for accumulating the collected logs and general standards for accumulated data amount.

For the details and abbreviations used within this document, refer to the manuals below.
・FUJITSU Software ServerView Infrastructure Manager V2.1 User's Manual
・FUJITSU Software ServerView Infrastructure Manager V2.1 Glossary

The collected logs are accumulated on the log storage area on a virtual disk(s) allocated to user groups. See allocation of virtual disk to each user group of ISM-VA.

Note
● The following are the default settings for log retention period and the number of generations. Change the log retention period and the number of generations as required.

Archived Logs	Node Logs (data for download/data for log search)
7 Generations	30 days

● The upper limits of the size of archived logs, node logs (data for download) and node logs (data for log search) are 10GB, respectively. Delete the logs on ISM-VA if the logs exceed the upper limit; for example, by downloading said logs and separately storing them.

● The capacity described on this document is only are reference value for specific configurations and operations. The capacity can vary greatly depending on the actual use conditions.

■Type of Managed Logs and their Accumulation Area

The Log Management function creates archived logs, node logs (data for download) and node logs (data for log search) after the collection of logs.

Each of the above logs is accumulated in the following log storage areas.

Log Type	Storage Area
Archived Logs	Log storage area for the user group
Node Logs (data for download)	Related to the node group to which a node belongs (*1)
Node Logs (data for log search)	Log storage area for Administrator group (*2)

(*1) If a node group is not related to a user group, these logs are accumulated in the log storage area of Administrator group.

(*2) The node logs (data for log search) of all nodes are accumulated in the log storage area of the Administrator group. Even if a node group is related to a user group(s) other than the Administrator group, these logs are accumulated in the log storage area of the Administrator group.

■General Standards for Log Capacity

● Capacity for Archived Logs

General Standard for one generation per node

Log Collection Target			Standard Capacity
Hardware	Server	PRIMERGY	1KB
		PRIMEQUEST 3000B	1KB
		IPCOM VX2	1KB
	Chassis	PRIMERGY BX	100KB
	Switch	SR-X	50KB
		CFX	100KB
		Ethernet Switch (10GBASE-T 48+6) Ethernet Switch (10GBASE 48+6)	350KB
		Brocade VDX	50MB
	Storage	ETERNUS DX/AF	10MB
Operating system	Windows		5MB
	Linux		5MB
	VMware ESXi		3MB
	IPCOM OS		50MB
ServerView Suite	ServerView Agents		Windows：10MB Linux：80MB
	ServerView Agentless Service		
	ServerView RAID Manager		

- Capacity for Node Logs (data for download)

General standard for 30 days' worth per node

Log Collection Target			Standard Capacity
Hardware	Server	PRIMERGY	50KB
		PRIMEQUEST 3000B	50KB
		IPCOM VX2	50KB
	Chassis	PRIMERGY BX	50KB
	Switch	SR-X	100KB
		CFX	100KB
		Ethernet Switch (10GBASE-T 48+6) Ethernet Switch (10GBASE 48+6)	150KB
		Brocade VDX	100KB
	Storage	ETERNUS DX/AF	100KB
Operating system	Windows		1MB
	Linux		1MB
	VMware ESXi		4MB
	IPCOM OS		1MB

- Capacity for Node Logs (data for log search)

General standard for 30 days' worth per node

Log Collection Target			Standard Capacity
Hardware	Server	PRIMERGY	500KB
		PRIMEQUEST 3000B	500KB
		IPCOM VX2	500KB
	Chassis	PRIMERGY BX	500KB
	Switch	SR-X	1MB
		CFX	1MB
		Ethernet Switch (10GBASE-T 48+6) Ethernet Switch (10GBASE 48+6)	1MB
		Brocade VDX	1MB
	Storage	ETERNUS DX/AF	1MB
Operating system	Windows		15MB
	Linux		15MB
	VMware ESXi		50MB
	IPCOM OS		15MB