

Introducing Systemwalker Service Quality Coordinator V15.0

< Version 2.0 >

January 2013 FUJITSU LIMITED



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Introduction

V15.0 Enhanced Features

Product Specification



Introduction

Performance Analysis and Capacity Management Software



About Systemwalker Service Quality Coordinator



It is a product that supports maintenance and optimization of your entire IT system with multi-angled monitoring and analysis from business service quality to virtual resources



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Installation Points

Have problems like these?

Cannot determine the operational status of your IT system

- Want to determine the quality of service from an end user perspective
- Want to see the business throughput visually
- Want to perform scheduled reporting on operations

Have problems caused by performance degradation of your IT system

- Want to gain an understanding of deteriorating response times, and to take action
- Want to identify a bottleneck quickly, and recover
- Want to obtain investigation data when a problem occurs

Have difficulty when planning investment for your IT system

- Want to carry out effective capacity planning based on forecast demand
- Want to see the effect gained when a server is scaled out

SQC can solve them

Systemwalker Service Quality Coordinator is sometimes referred to as SQC

(1) Business Service Quality visualization

(2) Maintain the Level of Service with Monitoring and Drill-Down



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(1) Business Service Quality Visualization





(1) Application Example: Timely Visualization of the **Entire System**



Normal operations can be confirmed at a glance by collecting several pieces of important information

Confirming each piece of information that indicates the normal status takes effort

- Timely display of operational status

Analysis window

- Narrow down to problem locations on the Analysis window

Dashboard: Displays important information on one window



(2) Maintain the Level of Service with Monitoring and Drill-Down



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(2) Application Example: Speedy Problem Analysis Even in a Complex Virtual Environment







(3) Investment Optimization Based on Analysis and Predictions





<u>Determine the amount of required resources</u> for future demand by using the provided analysis scenarios, such as the tuning guidance and simulations, etc.



(3) Application Example: Check in Advance the Amount of Resources Required for Virtual Aggregation



Determine the appropriate amount of resources by forecasting the required resources

Want to put together a highly accurate estimate of the amount of resources required for virtual aggregation



Achieves highly effective virtual aggregation while avoiding peak load redundancies





V15.0 Enhanced Features

Enhanced Analysis and Forecasting Functions Essential for Utilizing Virtual Resources



Changing Operation Environment in IT systems

- Sharing IT resources within the IT system, and providing it to business departments as infrastructure -



- A new operation format where IT resources are aggregated into the virtual environment in an effort to further reduce cost, and IT systems are provided to business system users as infrastructure, is practiced more often at a rapid pace within organizations
 - Sharing servers within an organization in an effort to standardize and increase efficiency of operations
 - Business system departments, as the users, are required to increase efficiency in infrastructure tasks (procurement, planning, building, and operation, etc), so that resources become available for other tasks



Cost reductions in IT resource aggregation and reduced load on the business manager are countered by an increased load on center managers who provide the IT resources

Challenges when Providing and Using Virtual Resources



Optimize balancing the supply and demand of resources with high accuracy



Capacity management required for both cloud service providers and users

V15.0 Enhanced Features



Supports capacity management through perspectives of both providers and users of virtualization/cloud environments

Achieves effective utilization of virtual resources by using analysis reports boasting Fujitsu tuning technologies



Enhancements

Simulation of aggregation and server extension

With the simulation function, the effect of aggregation to the virtual environment, the effect of reallocation, and response time forecast after scale out, etc, can be checked in advance.

Bottleneck analysis

With tuning guidance, the status of resource bottlenecks can be detected based on Fujitsu's tuning technology, and recommended actions are presented.

- *1 By analyzing the performance load on the existing servers, job peak redundancies at the time of virtual aggregation can be avoided, and the appropriate number of resources can be estimated.
- *2 The operation know-how that Fujitsu has developed over the years is incorporated. Problems can be detected from the ballooning and swapping status, and recommended actions are presented.

Virtual Aggregation Simulation



By carrying out appropriate estimation based on the operational status before aggregation, resource sizing costs can be reduced dramatically

The amount of resources cannot be estimated appropriately with server specification alone



By performing simulations based on the actual operational status, more efficient resource sizing can be achieved



Scale Out Simulation



By checking the improved effect on response times when scaling out the Web/AP server in advance, it is possible to plan resource expansion appropriately



Tuning Guidance



The analysis report based on Fujitsu's tuning technology guides the user through bottleneck locations and appropriate solutions. Accurate tuning is possible without advanced analysis skills.

Performance of a virtual machine deteriorated after another virtual machine was deployed



Virtual machine can be deployed safely while avoiding the risk of bottlenecks occurring





Automatic Creation of Report per Tenant







Product Specification

List of Functions



List of Functions



Functions		V15.0 New functions	Standard Edition	Enterprise Edition
Monitoring/visualization functions	Summary display		Y	Y
	Drilled-Down display		Y	Y
Analysis window and scheduled report window	Planning (*)	Virtual aggregation simulation Scale-out simulation Tuning guidance	Y	Y
	Performance analysis	Reporting according to the analysis scenario	Y	Y
	Generic report		Y	Y
Service management function	End user response management function		Y	Y
	Service operation management function		Y	Y
	Web transaction management function		Y	Y
	Server performance management function		Y	Y
	Application server performance management function	Supports Interstage Application Server(Java EE)	Y	Y
		Supports Oracle WebLogic Server	Y	Y
	Database server performance management function		Y	Y
	Job performance management function		Y	Y
	Network performance management function		Y	Y
	Storage performance management function		Y	Y
	User data management		Y	Y
	Virtual server management function	Supports VMware ESXi/vCenter 5.0/5.1, Linux virtual machine (KVM), and Oracle Solaris 11 Zone	Y	Y
Web usage management function	Web access log analysis function		Y	Y
	Tamper monitoring function		Y	Y
High reliability system operation	Cluster system monitoring		N	Y
	Supports Manager/Enterprise Manager cluster		N	Y
	Manager/Enterprise Manager redundancy		N	Y
Large scale system operation	Entire system monitoring (Manager layering)		N	Y
Dashboard function	Visualization with Dashboard		N	Y

Y: Supported N: Not supported

* : The estimates and simulation results displayed in each report are calculated on the basis of past results using Fujitsu's proprietary methods. Bear in mind that these are rough estimates and that operation is not guaranteed in the customer's actual computer environment.

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