

# Datasheet Fujitsu Cloud Infrastructure Management Software V1

Efficient infrastructure utilization, private cloud creation support, and reduced administration.

### Cloud Foundation for IaaS

Fujitsu supports the flexible and rapid utilization of ICT resources in private clouds through virtualization, automatic deployment, and visualization of usage status. This makes it possible to quickly provide the virtual environments that you require.

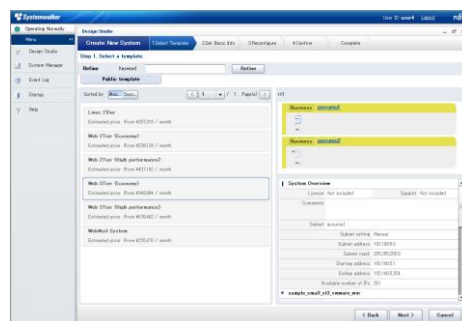
The use of virtualization is an essential tool in integrating resources and enabling your ICT systems to be optimized and used more efficiently. However, simply integrating resources into the data center has a unfortunate side-effect. It takes the systems administration and provisioning work, previously performed by each department, and concentrates it in the data center. This leads to higher workloads for the data center administrators.

What is needed is a form of operation that turns many tasks into "self-service" options. , An arrangement that lets users quickly create the virtual platforms that they need, when they need them, without administrator help.

### Cloud Infrastructure Management Software

"Cloud Infrastructure Management Software" has been designed to manage virtually consolidated ICT resources as "pools" and then provide self-service functions that enable virtual platforms to be automatically deployed and operated in response to user requests.

In addition this software supports efficient platform use, by allowing users to visualize the usage status of their specific ICT resources.



 **Fujitsu middleware: Strong Technology, Optimized Solutions, Total Reliability**

# Features and benefits

Main features	Benefits
<b>Self Service Portal</b> <ul style="list-style-type: none"><li>■ Service use/change applications</li><li>■ System configuration customization</li><li>■ Virtual server operation/snapshot collection</li></ul>	<ul style="list-style-type: none"><li>■ Reduced man-hours for central administrators by enabling users to handle and perform deployment and maintenance tasks by themselves</li></ul>
<b>Effective use of ICT resources</b> <ul style="list-style-type: none"><li>■ Central management of all ICT resources</li><li>■ Efficient utilization of ICT resources when in use and after users have finished with them</li><li>■ Control of multiple virtualization software products</li></ul>	<ul style="list-style-type: none"><li>■ Effective and efficient use of ICT resources by enabling users to lease and return virtualized or standard infrastructure and operating systems on an on-demand basis</li></ul>
<b>Visualized ICT resources</b> <ul style="list-style-type: none"><li>■ Dashboard window</li><li>■ Visualization of information in role based formats</li><li>■ Output of private cloud performance information</li></ul>	<ul style="list-style-type: none"><li>■ Efficient decision making for operations such as optimal virtual server migration and hardware growth management, by enabling users to clearly understand the usage status of their ICT resources and virtual platforms</li></ul>

# Topics

## Self Service Portal

Service users are able to use the Self Service Portal to lease virtual platforms (which may require approval prior to use), and then perform operational and maintenance tasks, including the starting and stopping of systems, taking snapshots, and performing system restores.

This makes it possible to reduce the workload on service providers and infrastructure administrators.

## Effective use of ICT resources

ICT resources can be pooled using virtualization technology and managed centrally.

Required ICT resources can then be drawn down from the resource pool and modified according to changes in use.

ICT resources that are no longer required can be returned to the pool so that they can be reused by other service users.

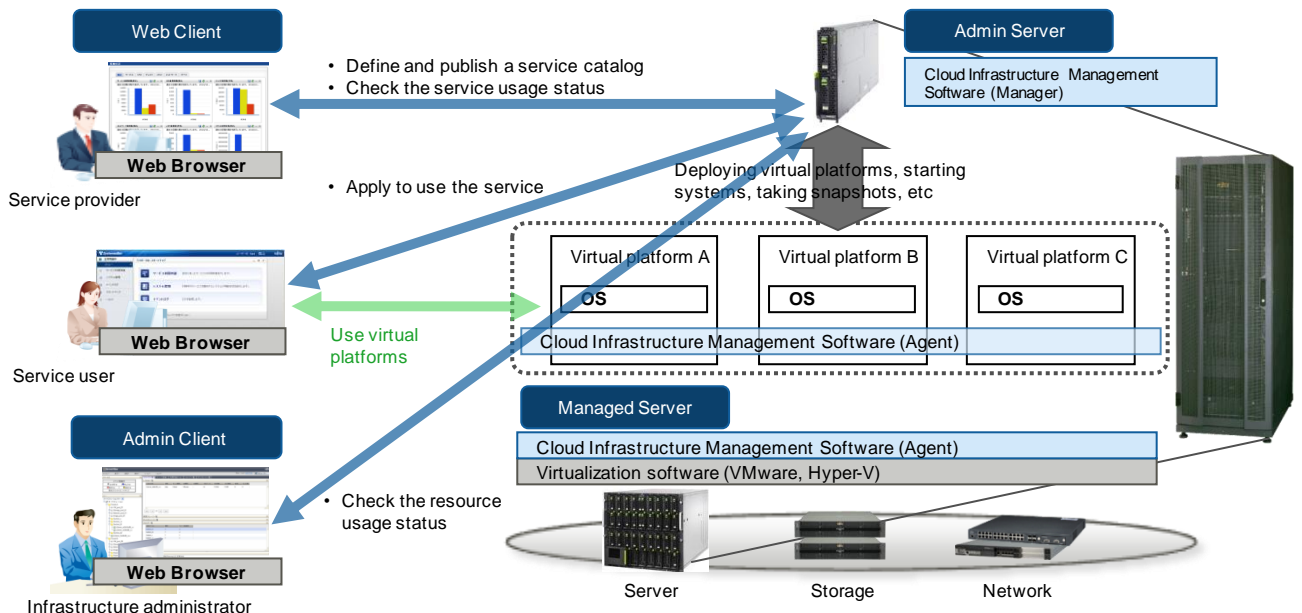
## Visualizing ICT resources

The Dashboard window makes it possible to check the usage status of CPUs for both virtual platforms and physical servers. This enables judgments to be made on moving virtual platforms to the most optimal physical servers.

Users can determine the efficiency of their operations by the ability to track detailed information on each of the following resources:

- Resource pool information (total amount, amount used, amount unused)
- Operating system image information (storage location, OS type)
- VM host information (number of virtual machines running, resource status)
- VM guest information (number of virtual machines running, resource status)
- Logical server information (number of servers running, resource status)
- Environmental information (server power consumption and temperature)

## System configuration



# Technical details

---

## Admin Server

Hardware		PRIMERGY PC series
	<b>Recommended CPU</b>	Intel(R) Xeon(R) 3GHz or higher
	<b>Memory capacity</b>	4 GB or more (not including the operating system)
Operating Systems	<b>Windows</b>	Microsoft Windows Server 2008 R2

Admin Server : The Admin Server is used for the Cloud Infrastructure Management Software “manager” function.  
It enables the self-service functions and automatic deployment of virtual systems.

---

## Managed Server

Hardware		PRIMERGY PC series
Operating Systems	<b>Windows</b>	Microsoft Windows Server 2008 R2
		Microsoft Windows Server 2008
		Microsoft Windows Server 2003 R2
	<b>Linux</b>	Red Hat Enterprise Linux 5

Managed Server : Managed Servers are physical servers where the Cloud Infrastructure Management Software “agents” runs, and where the virtual platforms, that users apply to use, are deployed.

---

## Web Client

Software prerequisites	Windows Internet Explorer 8
	Windows Internet Explorer 7

Web Client: The Web Client is used by service providers and service users to perform operations, including: defining the various services, and applying to use those services.

NOTE: This product supports the following for operation in virtual environments.

- VMware vSphere 4
- Hyper-V 2.0

# More information

## Fujitsu platform solutions

In addition to Fujitsu Cloud Infrastructure Management Software, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure-as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

### Computing products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)  
- PRIMERGY: Industrial standard server  
- SPARC Enterprise: UNIX server  
- PRIMEQUEST: Mission-critical IA server  
- ETERNUS: Storage system

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)  
- Interstage: Application infrastructure software  
- Systemwalker: System management software

## More information

Learn more about Fujitsu Cloud Infrastructure Management Software, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website. [www.fujitsu.com/productname/](http://www.fujitsu.com/productname/)

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at: [www.fujitsu.com/global/about/environment/](http://www.fujitsu.com/global/about/environment/)



## Copyright

© Copyright 2011 FUJITSU LIMITED  
Fujitsu, the Fujitsu logo, Fujitsu brand names are trademarks or registered trademarks of Fujitsu Limited in Japan and other countries. Other company, product and service names may be trademarks or registered trademarks of their respective owners.

## Disclaimer

Technical data subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

## Contact

FUJITSU LIMITED  
Website: [www.fujitsu.com/](http://www.fujitsu.com/)  
2011-04-07 AP-EN