

SystemGlobe GlobalMaster R1.3

Basic

Release Notes

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NEC Corporation

Thank you for purchasing our products. This release notes provide cautions on use for “SystemGlobe GlobalMaster R1.3”.

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1. Preface

These Release Notes describe the product outlines, operating environment, cautions and restrictions for using SystemGlobe GlobalMaster R1.3.

1.1 Product Configuration

SystemGlobe GlobalMaster R1.3 is configured with the products below.

Product name	Version
SystemGlobe GlobalMaster (Administration Manager)	R1.3
SystemGlobe GlobalMaster (Agent)	R1.3
MySQL	3.23.58
Java Runtime Environment	1.3.1_09

SystemGlobe GlobalMaster R1.3 products are contained under the \GlobalMaster directory on the media of the EXPRESSBUILDER product.

The following is a brief description of the content included on the media.

(PDF files with the same content as that of the Release Notes are included as document.)

Content	Directory
SystemGlobe GlobalMaster (Administration Manager)	\Manager\
SystemGlobe GlobalMaster (Agent)	\Agent\
SystemGlobe GlobalMaster related manuals	\
MySQL database	\MySQL\
Java runtime environment (JRE)	\JRE\

1.2 Related manuals

- *SystemGlobe GlobalMaster R1.3 Installation Guide (Manager Version and Agent Version)*
Each manual describes the installation method for SystemGlobe GlobalMaster Administration Manager and Agent. Refer to these manuals on installation.
- *SystemGlobe GlobalMaster Administration Guide*
Describes the details of the initial setting, operation management method, and method of handling failures for SystemGlobe GlobalMaster. This document is useful for implementation or operation of a system.
- *SystemGlobe GlobalMaster Operating Manual*
Describes the details of the operating method of user interfaces in SystemGlobe GlobalMaster.

The manuals above are installed at the same time as the Administration Manager. Refer to “Installation Guide (Manager Version)” for the details.

1.3 License

A license key is required for using SystemGlobe GlobalMaster R1.3. Refer to the section “6 Cord Word” on this Release Note to set a license key and its code word. Recheck the information of the purchased license before using the product.

And, this product is SystemGlobe GlobalMaster R1.3 Basic.

2. Installation method

Refer to following documents about each of the installation and uninstallation methods.

- Administration Manager
SystemGlobe GlobalMaster R1.3 Installation Guide (Manager Version)
- Agent
SystemGlobe GlobalMaster R1.3 Installation Guide (Agent Version)

3. Functions provided in SystemGlobe GlobalMaster R1.3

* This section offers a brief description of the SystemGlobe GlobalMaster functions. Refer to the manual included with SystemGlobe GlobalMaster for details.

SystemGlobe GlobalMaster utilizes the partitioning function of Express5800/1080Xd, 1160Xd and 1320Xd. It provides dynamic reconfiguration functions for partitions experiencing cell failure or system load increase, and realizes performance and high availability on a platform layer most suitable for user operating systems.

Partition management function:

Manages up to four Express5800/1080Xd, 1160Xd and 1320Xd.

It is possible to manage partition configuration functions, and components such as partitions and cells, configured partitions, in a unified view.

It is also possible to visually understand the relation of connection and arrangement of hardware.

Dynamic reconfiguration function (Professional version only):

Predefines a procedure (called a component) corresponding to each failure (such as cell fault, system down), a load change of system resources, or on the specified date/time.

This makes it possible to provide a function to automatically create or reconfigure partitions and to configure the best partition for a user system.

Software linkage (Professional version only):

Provides a function to change partition configurations step by step on a cluster system (rolling upgrade), also provides a user defined script execution function to set a policy linked with user applications.

4. Operating Environment

4.1 Management station

Basic specification:

Hardware	
CPU	Equivalent to Intel Pentium 3, 1 GHz and over
Memory	512M bytes and over
Disk	Free space of 256M bytes and over (required), 1G byte and over (recommended)
NIC card	Ethernet with one port and over
Display	Resolution of 1024 x 768 and over (required), 1280 x 1024 and over (recommended)
Model type	Express5800 series recommended
Software	
OS	Windows 2000 Server, Windows 2000 Professional(Both Service Pack 2 and later) or Windows Server 2003 StandardEdition

Software required for the operation:

Product	Installation version
MySQL database	MySQL 3.23.58 (provided with this product)
Java runtime environment	Java 1.3.1_09 (provided with this product)
PDF file browser	Adobe Acrobat Reader and the like.

Supported software:

Product	Supported version
CLUSTERPRO SX for Windows	Ver7.0

4.2 Managed System Servers

Supported hardware:

Machine type	Product name
NT4200-001	Express5800/1320Xd
NT4200-101	Express5800/1160Xd
NT4260-W003	Express5800/1080Xd

Supported software (partition):

OS	Windows Server 2003, Enterprise Edition Windows Server 2003, Datacenter Edition
Module required	Windows Management Instrumentation Service (Basically provided on Windows)
Patch required	None (As of the end of Jan 2004)
Patch recommended	None
Software required	None

Operating condition:

Disk	Free space of 10M bytes and over
CPU memory	Depends on the system.

5. Cautions and Restrictions

Refer to “Section 8 Restrictions” of “SystemGlobe GlobalMaster Administration Guide” as well for the details.

1. Not possible to use MySQL versions other than SystemGlobe GlobalMaster supports.
2. Not possible to use MySQL database for other than SystemGlobe GlobalMaster in a management station. Uninstallation is necessary if My SQL is already being used in the management station.
3. There is a case that under the influence of the function “AutoUpgrade” of an anti-virus software, the installation of MySQL doesn’t start for a minute or so, which depends on the execution of “AutoUpgrade”. It is recommended to install MySQL without the execution of a anti-virus software.
4. Not possible to operate SystemGlobe GlobalMaster using Java runtime environment versions other than SystemGlobe GlobalMaster supports.
5. SystemGlobe GlobalMaster use the following port number as a default for communications between the Administration Manager and the Agent.

	Required port number
Administration Manager	162 (UDP)
Agent	2321 (UDP) 2323 (TCP)

When these port number are used for other use, have to change the port number. Refer to following documents about detail.

- Administration Manager
“4.1.2 Confirmation And Setting For Communication Parameters” in “SystemGlobe GlobalMaster Administration Guide”
 - Agent
“4. Initial setting of Agent” in “SystemGlobe GlobalMaster R1.3 Installation Guide (Agent Version)”
6. SystemGlobe GlobalMaster does not support a cluster system of a management station.
 7. The Administration Manager uses an IP address to identify a partition. Therefore, do not configure a system with IP address conversion mechanism such as NaT.
 8. Installation and configuration of operating system, middleware, and user applications on a partition are not supported.
 9. Install the Windows U.S. version to management station in order to use SystemGlobe GlobalMaster. Install SystemGlobe GlobalMaster initially on a management station running with English as the default language. Operations on other environments are not checked.
Do not change the default language setting after installing SystemGlobe GlobalMaster. Occasionally it works improperly if changed.

10. SystemGlobe GlobalMaster shares no data with SystemScope.
11. Cluster software including CLUSTERPRO/SX is not supported.
12. It is possible to manage up to four Express5800/1080Xd, 1160Xd and 1320Xd with one management station (Administration Manager).
13. Do not change a configuration from an iSP console when operating SystemGlobe GlobalMaster.

6. Cord Word

This product provides software-locking function to prevent illegal usage of the product. To use this product, it is necessary to set the license key and its cord word with referring the “SystemGlobe GlobalMaster R1.3 Installation Guide (Manager Version)”.

“Cord word” is such a string that unlocks this product and enables the user to use this on some condition. The license key and the cord word of this product is the following:

UL600213-B qTaaDPHd%K9F5#ZkZAK00e0g9Cub%ZL6dZuYXE4jxd0ykdYkXWafsHXPK0sNAXXl8M

This license key provides the SystemGlobe GlobalMaster Basic version.

1. After setting this license, the column “License count”, displayed on the “Version of SystemGlobe GlobalMaster” window, indicates “4”, but the actual number of valid licenses is “1”.
2. When describing two or more pairs of one license and a code word (when the n2l2_lockinfo.ini has two or more identical license lines), all license settings become invalid. Set only one pair of a license and a code word.

End