

Express5800/R320c-E4, R320c-M4 Express5800/R320d-E4, R320d-M4 Express5800/R310c-E4, R310d-E4 Precautions 注意事项

Thank you for choosing Express5800/ft series.

When you use Express5800/ft series, some precautions should be taken.

Read the following precautions before using and follow them.

Keep this document in a safe place for quick reference when necessary.

感谢您选择Express5800/ft系列。

当您使用Express5800/ft系列时，请注意以下事项。

在使用前请阅读以下注意事项并遵守

请将本文档妥善保存以便需要时快速查阅。

1. UPDATE CD/DVD-ROM

Please check Packing List that comes with this server.

When the UPDATE CD/DVD is attached, it must be applied to update ft Server Control software.

When you set up the OS on this server with the EXPRESSBUILDER DVD, update the ft Server Control software.

Perform the update after checking that the server is running in duplex mode.

Refer to Users' Guide and Maintenance Guide for checking the status by LED.

1. 更新 CD/DVD-ROM

请检查服务器附带的装箱单。

如果带有UPDATE CD/DVD，则必须适用于更新ft Server Control 软件。

当您使用EXPRESSBUILDER DVD 在服务器上安装OS时，请更新ft Server Control软件。

检查服务器以双工模式运行后，执行更新。

关于如何通过LED查看状态，请参考用户指南和维护指南。

2. Windows Server 2008 R2 Service Pack 1

- Windows Server 2008 R2 Service Pack 1 Installation

When you install Windows Server 2008 R2, Windows Server 2008 R2 Service Pack 1 must be applied to the system. When you set up the OS on this server with the EXPRESSBUILDER DVD, if your OS install media does not contain Service Pack 1, apply it.

And when installing Windows Server 2008 R2 Service Pack 1, it recommends that the following update is applied before installing Service Pack. Please refer to URL of Microsoft for details.

KB2487426 (Microsoft)

An application error (Error Event ID:1000) occurs in x86-based applications or services when you install SP1.

<http://support.microsoft.com/kb/2487426>

KB2533552 (Microsoft)

"0xC0000034" error message when you try to install Windows Server 2008 R2 SP1.

<http://support.microsoft.com/kb/2533552>

KB2534366 (Microsoft)

"0xC000009A" error message when you try to install Windows Server 2008 R2 SP1.

<http://support.microsoft.com/kb/2534366>

- New functions within Windows Server 2008 R2 Service Pack 1

RemoteFX is not supported in Express5800/ft series.

2. Windows Server 2008 R2 Service Pack 1

- 安装 Windows Server 2008 R2 Service Pack 1

Windows Server 2008 R2 Service Pack 1 必须应用于该系统。当您使用 EXPRESSBUILDER DVD 在服务器上安装了 OS, 如果您的 OS 安装介质不包含 Service Pack 1, 请安装它。

并且当安装 Windows Server 2008 R2 Service Pack 1 时, 建议在安装补丁前安装以下程序。关于具体内容请参考微软的 URL。

KB2487426 (Microsoft)

An application error (Error Event ID:1000) occurs in x86-based applications or services when you install SP1.

<http://support.microsoft.com/kb/2487426>

KB2533552 (Microsoft)

"0xC0000034" error message when you try to install Windows Server 2008 R2 SP1.

<http://support.microsoft.com/kb/2533552>

KB2534366 (Microsoft)

"0xC000009A" error message when you try to install Windows Server 2008 R2 SP1.

<http://support.microsoft.com/kb/2534366>

- Windows Server 2008 R2 Service Pack 1 的新功能

Express5800/ft 服务器不支持 RemoteFX。

3. Documentations stored in EXPRESSBUILDER DVD

The EXPRESSBUILDER DVD contains electronic manuals including User's Guide, Installation Guide, and Maintenance Guide. These may not be the latest manuals.

If you are using Express5800/ft series, refer to paper documents

(User's Guide, Installation Guide, and Maintenance Guide) provided with the product.

3. 存储于EXPRESSBUILDER DVD的文档

EXPRESSBUILDER DVD 中包含电子手册：用户指南、安装指南以及维护指南。但可能不是最新的手册。

如果您正在使用 Express5800/ft series，请参考产品提供的纸面文档（用户指南、安装指南以及维护指南）。

4. Configuration of Dynamic disk

A disk installed OS must not be configured as “Dynamic disk”. Please use as “Basic disk”.

A disk not installed OS (means a disk saved user data) can support “Dynamic disk”.

4. 配置动态磁盘

安装了 OS 的硬盘不能被设为“动态磁盘 (Dynamic disk)”，请将其用作“基本磁盘 (Basic disk)”。未安装 OS 的磁盘 (保存有用户数据的磁盘) 可设为“动态磁盘 (Dynamic disk)”。

5. RAID-1/RAID-5 Configuration

When a mirrored volume (RAID-1) or RAID-5 volume was built on a dynamic disk, the System FT LED and Safe To Pull LED indicating the status of the FT server may not be displayed correctly, and information on duplication and degeneracy of the PCI module may not be output to the event log properly.

When a dynamic disk is going to be used, only convert a data disk to a dynamic disk and build as a simple volume, spanned volume, or striped volume.

5. 配置RAID-1/RAID-5

当在动态磁盘中创建了镜像卷 (RAID-1) 或 RAID-5 卷时，用于指示 FT 服务器状态的 System FT LED 以及 Safe To Pull LED 可能不会正确显示，PCI 模块的双工和退化信息也不会被正确输出到事件日志中。

若要使用动态磁盘，请仅将数据磁盘转换为动态磁盘。且仅创建为单一卷、跨区卷或条带卷。

6. CD/DVD medium

Please remove CD or DVD medium promptly after using.

There is a possibility that duplex process doesn't perform normally if CD or DVD medium is inserted into CD/DVD drive. If it fails, please reboot the system after removing a medium.

6. CD/DVD媒介

使用后请取出 CD 或 DVD 媒介。

当 CD 或 DVD 媒介放入 CD/DVD 驱动器中时，双向进程可能无法正常执行。若执行失败，则取出媒介后重启系统。

7. Applications to which attention is necessary

There are pcAnywhere, Radmin, JP1/NETM/Remote Control Agent and LANDesk Management Suite (agent) as application with a possibility that it have an influence on the Duplicating Operation of the ft server. They makes problems which system operation becomes unstable by the influence of the compatibilities with the video driver.

NEC recommend using "WebSAM WinShare" which has equivalent function, if you need remote access/operation.

7. 需要特别注意的应用程序

pcAnywhere, Radmin, JP1/NETM/Remote Control Agent以及LANDesk Management Suite (agent) 等应用程序可能对ft服务器的二重化运行有影响。由于视频驱动器兼容性的影响，会造成问题导致系统运行不稳定。

若您需要远程访问和操作，NEC建议您使用具有同等功能的“WebSAM WinShare”。

8. Display colors setup

Please don't set the number of color display for below 16(4bit) to ft server. If it is set, there is a possibility that the Duplicating Operation of ft server doesn't work normally.

8. 显示颜色

请不要将ft服务器的颜色设为小于16(4bit)，否则可能导致系统无法正常工作。

9. Memory DUMP

If DUMP process starts with DUMP switch or system clash, there is a possibility that the following log is registered on the system event log after reboot.

source : srbid

type : error

ID : 4096

Description : CpuBoard dump, to file [file path], has failed because the CpuBoard is not holding a valid memory dump image (0xd)

If the following log is registered on the system event log after reboot,

DUMP process saves the DUMP file on the HDD. (Please ignore the above log.)

source : Save Dump

type : information

ID : 1001

Description : The computer has rebooted from a bugcheck. The bugcheck was : 0xFFFFFFFF (0xFFFFFFFF, 0xFFFFFFFF, 0xFFFFFFFF, 0xFFFFFFFF).

Microsoft Windows NT (vxx.xxxx). A dump was saved in: [file path name].

9. 内存转储

若在 DUMP 开关和系统冲突时开始 DUMP 进程，则重启后系统事件日志中可能记录下面的日志。

source : srbid

type : error

ID : 4096

Description : CpuBoard dump, to file [file path], has failed because the CpuBoard is not holding a valid memory dump image (0xd)

若重启后系统事件日志中记录下面的日志，

则 DUMP 将 DUMP 文件保存到 HDD 中。(请忽略上面的日志。)

source : Save Dump

type : information

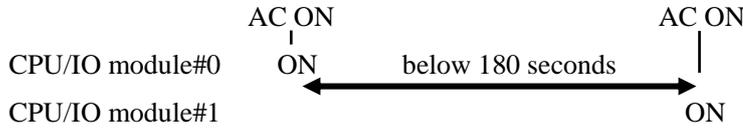
ID : 1001

Description : The computer has rebooted from a bugcheck. The bugcheck was : 0xFFFFFFFF (0xFFFFFFFF, 0xFFFFFFFF, 0xFFFFFFFF, 0xFFFFFFFF).

Microsoft Windows NT (vxx.xxxx). A dump was saved in: [file path name].

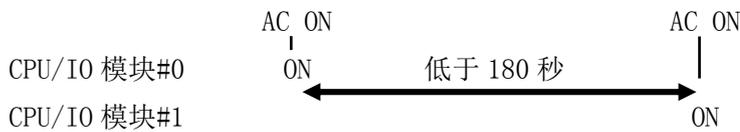
10. AC ON timing for CPU/IO modules

Please set the time between the AC ON timing of CPU/IO module#0 and CPU/IO module#1 for below 180 seconds. If it is set for above 180 seconds, the HDD mirroring will be broken because the only one CPU/IO module working starts.



10. CPU/IO模块的AC ON时间

请将CPU/IO模块#0和CPU/IO模块#1之间的AC ON时间设为小于180秒。若大于180秒，则由于启动单CPU/IO模块运行模式，将导致HDD镜像崩溃。



11. Keyboard and Mouse

In rare cases, keyboard and mouse may not work for about 5 minutes when PCI module switching occurs. To use keyboard and mouse, please wait for device recognition.

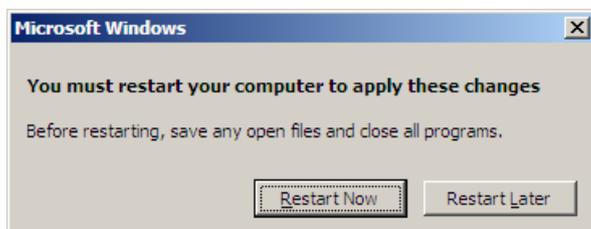
11. 键盘与鼠标

当PCI模块发生切换时，在极个别情况下会发生键盘和鼠标不起作用的状况。请等待至设备被识别后再使用键盘和鼠标。

12. Reinstall

Although some dialog boxes and popup windows are displayed during installing ft Server Control Software in Setup with EXPRESSBUILDER or Setup with OS Standard Installer, do not operate from keyboard and mouse. Installation is continued automatically.

Do not operate especially although the following dialog is displayed. When installation is stopped with operation of keyboard or mouse, there is a possibility that OS does not start normally.



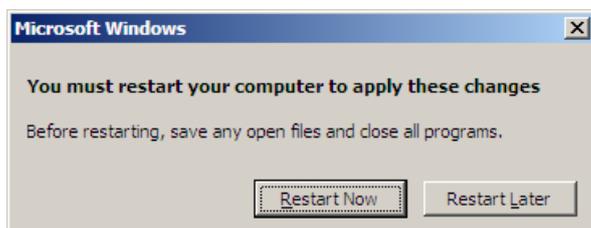
(Windows Server 2008 R2)



(Windows Server 2012)

12. 重装

当使用EXPRESSBUILDER或OS Standard Installer进行设置时，安装ft Server Control Software的过程中即使显示对话框或弹出菜单，也不要通过鼠标和键盘进行操作。安装将自动往下进行。尤其当显示下图对话框时，不要进行操作。如果因操作鼠标和键盘导致安装停止，则OS可能不会正常启动。



(Windows Server 2008 R2)



(Windows Server 2012)

13. Flash FDD (N8160-86)

Be careful not to operate the server with the Flash FDD connected.

As the server is operated with the Flash FDD connected, the Flash FDD might not operate normally.

In that case, once remove the Flash FDD, and reconnect to this server.

13. 闪存FDD (N8160-86)

不要在连接了闪存FDD时运行服务器。

若在连接了闪存FDD时连接服务器，则闪存FDD可能不会正常运行。

此时请移除闪存FDD然后重新连接服务器。

14. The physical memory which capacity exceeds 64GB

When the physical memory capacity exceeds 64GB, there is a possibility that incorrect memory dump file is saved after restarting the system by system crash or DUMP switch.

In order to avoid this problem, it is necessary to enable Quick dump function with the following procedure.

However, if Quick dump function is enabled, Complete memory dump can't be harvested.

Please set memory dump types to harvest "Kernel memory dump".

Also, if Quick dump function is enabled, it takes a longer time than usual for the CPU modules duplexing to write memory dump image to the disk after restarting the system by system crash or DUMP switch.

(Example: When the size of Dump file which is saved is 96GB, it takes about 120 minutes.)

- How to enable Quick dump function
- On ft server utility, open [FTServer] - [General]
- Check the [Enable quick dump that is harvested at the same time of reboot] check box and click [Apply]
- Click [OK] on Confirmation screen

14. 容量超过64GB的物理内存

当物理内存容量超过 64GB, 就可能在系统崩溃或者按下 DUMP 开关重启系统后保存了错误的内存转储文件。

为了避免这一问题, 需要通过以下步骤启用快速转储功能。但是, 如果快速转储功能被启用, 可能无法采集完整的内存转储。

请将要采集的内存转储类型设置为 "Kernel memory dump"。

并且, 如果启用了快速转储功能, 就可能在系统崩溃或者按下 DUMP 开关重启系统后,CPU 模块双重化花费更长的时间将内存转储映像写入磁盘。

(例如:当保存的转储文件的大小为 96GB, 将会耗费 120 分钟。)

- 如何启用 Quick dump (快速转储) 功能
- 在 ft 服务器实用程序中, 打开 [FTServer] - [General]
- 选中[Enable quick dump that is harvested at the same time of reboot] 前的复选框并点击 [Apply]
- 在确认画面点击[OK] 。

15. The memory dump types

At Windows Server 2012, if you set memory dump types to harvest “Complete memory dump”, the dump file can’t be harvested by the following procedure.

- On ESM/ServerManager, click [Dump] button on the [Dataviewer]
- On ft server utility, check the [Harvest memory dump of the current system without stopping it] check box and click [Harvest] button

If you harvest memory dump without stopping the current system, please set memory dump types to harvest “Kernel memory dump”.

15. 内存转储类型

在 Windows Server 2012 上,如果将要采集的内存转储类型设置为“Complete memory dump”, 可能无法通过以下步骤采集转储文件。

- 在 ESM/ServerManager 中点击[Dataviewer] 上的[Dump] 按钮。
- 在 ft 服务器实用程序上, 选中[Harvest memory dump of the current system without stopping it] 前的复选框, 然后点击 [Harvest] 按钮。

如果想要不停止当前系统来收集内存转储, 请将要获取的内存转储类型设置为“Kernel memory dump”。

16. The Verification task for RDR disk

At Windows Server 2008, if the OS language is English or French or German or Italian or Spanish, the following task which runs automatically in 12 hours after OS starts up is created on the Task Scheduler.

Task name: RdrFirstVerify

At Windows Server 2012, if the OS language is English or French or German, the following task which runs automatically in 12 hours after OS starts up is created on the Task Scheduler.

Task name: RdrFirstVerify

At all OS language of Windows Server 2008 or Windows Server 2012, the following task which runs automatically every month is created on the Task Scheduler.

Task name: RdrVerifyLunX (X: virtual disk number)

You can change the schedule of all the above tasks on the Task Scheduler. Please adjust the schedule to execute the tasks at the time zone where I/O load on your system is smaller than usual.

16. RDR磁盘的验证任务

在 Windows Server 2008 上, 如果 OS 语言是英语/法语/德语/意大利语/西班牙语, 则在 Task Scheduler 上创建了 OS 启动后的 12 小时内, 将自动运行以下任务。

Task name: RdrFirstVerify

在 Windows Server 2012 上, 如果 OS 语言为是英语/法语/德语/, 则在 Task Scheduler 上创建了 OS 启动后的 12 小时内, 将自动运行以下任务。

Task name: RdrFirstVerify

Windows Server 2008 或 Windows Server 2012 所有的 OS 语言下, 会在 Task Scheduler 上创建每月自动运行的以下任务。

Task name: RdrVerifyLunX (X: virtual disk number)

您可以在 Task Scheduler 上更改上述所有的任务计划。请调整计划在 I/O 负载低于日常的时区内来执行任务。



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