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## Server Configuration

### Introduction

The following utilities are available for the Prioris ZX 6000MP Series server:

- RAID Configuration Utility
- System Configuration Utility (SCU)
- Diagnostics
- EPP3SMC.EXE
- BIOS Flash program
- *SCSIselect*
- ServerMaker
- Quick Launch

## **MYLEX RAID Configuration Utility**

RAID-ready servers come with a factory-installed MYLEX RAID controller and a RAID configuration utility. The RAID configuration utility is supplied on the ServerWORKS Quick Launch CD-ROM disk. This utility appears the first time you boot your server to allow the RAID array to be configured.

After the initial server installation, the RAID utility is available from:

- The ServerWORKS Quick Launch CD-ROM disk. Use Quick Launch to create a bootable RAID diskette.
- The server's MS-DOS partition (if the partition was created during the Quick Launch installation process). Check the following directory:

*C:\RCU\RAID.BAT.*

## System Configuration Utility (SCU)

Your server was pre-configured at the factory using the System Configuration Utility (SCU). This means that your server's hardware (CPU, memory, cache, mass storage devices, expansion boards, etc.) has been identified and configured for optimum performance. If you need to make changes to this configuration, Digital recommends that you use the SCU along with the information provided in this section.

After the initial installation, the SCU is available from:

- The ServerWORKS Quick Launch CD-ROM disk. Use Quick Launch to create a bootable SCU diskette.
- The server's MS-DOS partition (if the partition was created during the Quick Launch installation process). Check the SCU subdirectory:  
`C:\SCU\SCU.BAT`.
- The Quick Launch CD-ROM disk by pressing the ALT key to launch the SCU during the server boot process.



**NOTE:** The SCU is also used to update server module serial numbers. If you change a CPU module, memory module, or the main logic board, you must run the SCU to re-synchronize the System ID (server model number and serial number) in that module's memory. When Configure Computer is selected, the SCU will check the new module and will detect the System ID mismatch.

The SCU is also available from the Digital BBS and home page.

## Diagnostics

Prioris ZX 6000MP Series servers come with an advanced set of diagnostic utilities that can be used to identify and correct problems you might encounter when configuring or troubleshooting the server.

The diagnostics are available from:

- The Utilities folder in the ServerWORKS Quick Launch CD-ROM disk. Use Quick Launch to create a bootable diagnostics diskette.
- The server's MS-DOS partition (if the partition was created during the Quick Launch installation process). Check the DIAG subdirectory:

*C:\DIAG\DIAGNOSE.BAT*

*Refer to the AMI Diagnostics manual for more information. This manual is available in the ServerWORKS Quick Launch CD-ROM Documentation folder.*

## EPP3SMC.EXE

EPP3SMC.EXE is used to configure a server's parallel port as an enhance parallel port (EPP). Before using EPP3SMC.EXE, check the documentation for the device you want to connect to the parallel port and make sure it supports EPP mode.

The EPP3SMC.EXE file is available from:

- The ServerWORKS Quick Launch CD-ROM disk. Check the directory tree.
- The server's MS-DOS partition (if the partition was created during the Quick Launch installation process). Check the EPP subdirectory:

*C:\EPP\EPP3SMC.EXE.*

## Flash BIOS Utility

All Prioris ZX 6000MP Series servers come equipped with flash memory. If you are instructed to update or restore the server's BIOS, use the flash utility. The flash utility and BIOS updates are available on the Digital Bulletin Board (BBS). For access to the Digital BBS in the USA, dial (508) 496-8800. Read the README file first for flash utility instructions.



**NOTE:** If you replace the BIOS, make sure the SCU is compatible with the new version of the BIOS. This might also impact the Quick Launch CD-ROM version.

## SCSIselect

Prioris ZX 6000MP Series servers come with a factory installed Adaptec 2940W SCSI controller and a *SCSIselect* utility. This utility enables you to change host controller settings without opening your server.

To access the *SCSIselect* utility:

Press CTRL + A when the BIOS banner appears during the server boot process.



**NOTE:** If multiple Adaptec SCSI controllers are installed, wait until the banner appears for the specific controller being configured, then press [Ctrl] + [A].

## ServerMaker

ServerMaker is a tool that provides information about Prioris server configurations. This tool is available on the Quick Launch CD-ROM disk. For more information, refer to the *ServerMaker Release Notes* manual.

The ServerMaker tool is also used to determine if the secondary power supply can be used as a redundant power supply. For more information, refer to the *ServerMaker Release Notes* manual.

## Quick Launch

Quick Launch is a tool used to install various network operating systems on Prioris ZX 6000MP Series servers. This tool is shipped on the Quick Launch CD-ROM disk. For more information, refer to the *Quick Launch Reference* guide.

This CD-ROM also contains utilities, diagnostics, Digital-specific device drivers, and on-line documentation for Prioris servers.

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## Creating Server Utility and Driver Diskettes

The ServerWORKS Quick Launch CD-ROM disk contains all the latest drivers and utilities for Prioris ZX 6000MP Series servers. Server utility and driver diskettes can be created from the Quick Launch CD-ROM disk.

To create server utility and driver diskettes:

1. Place the Quick Launch CD-ROM into any Windows-based workstation and follow the boot procedure in the *Quick Launch Reference* guide.
2. Select *Installation and Utilities* from the Quick Launch main menu. Select *Conventional*. Select the *Utilities* folder to create the diskettes. You will need these diskettes to traditionally install Windows NT, Novell NetWare, SCO UNIX, OS/2, and other operating systems.
3. Server utilities and diagnostic diskettes can be created by selecting *Utilities* instead of *Conventional* in step 2.

If you prefer, you can create the required diskettes from Windows 3.1 or Windows for Workgroups based workstations using these procedures:

1. Locate the Quick Launch CD-ROM disk in your ServerWORKS software kit. Insert the CD-ROM disk into the CD-ROM drive.
2. From the Windows Program Manager, select *File*, then *Run*.

Enter:

```
qlaunch.exe
```

3. Select *Installation and Utilities* from the ServerWORKS Quick Launch main menu.

## Creating Server Utility and Driver Diskettes

### 4. Either:

Select *Conventional* and then your server's operating system. Select your server's model name or view the list of available disk images.

Or:

Select *Utilities* and then your server's operating system. Select your server's model name or view the list of available disk images.

For more information, refer to *the ServerWORKS Quick Launch Reference Guide* and the on-line help in the *ServerWORKS Quick Launch* program.

The following is a list of device drivers you might need (available using *Conventional* method only):

- SCSI—enables your server to operate using an Adaptec SCSI controller.
- Mouse—enables your server to operate using a Logitech mouse.
- Video—enables your server to operate using the onboard video controller or other supported video cards.
- RAID—enables your server to operate using a Mylex RAID controller.
- Network—choose from several device drivers for Digital supported network interface cards.

The following is a list of bootable server utilities (available using either *Conventional* or *Utilities* method):

- SCU—enables you to make a bootable SCU diskette for use when configuring your server and adding options.
- RAID—enables you to make a bootable RAID Configuration Utility diskette for use when configuring your RAID array.
- Diagnostics—enables you to make a bootable diskette for use when troubleshooting your server.

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## Reference Material

<b>Utility</b>	<b>Function</b>	<b>Reference Material</b>
RAID Configuration Utility (RCU)	Configures the Mylex RAID Controller	Mylex Disk Array Controller User's Manual and Mylex DAC Software Kit User's Manual
System Configuration Utility (SCU)	Configures the server	Prioris ZX 6000MP Series User's Guide
EPP3SMC.EXE	Parallel port driver	Prioris ZX 6000MP Series User's Guide
UPGRADE.EXE	BIOS flash upgrade utility	Digital BBS
SCSI <i>select</i> Utility	Set Adaptec 2940W or 3940W controller settings	Adaptec 7800 Family Manager Set User's Guide
AMI Diagnostics	Troubleshooting the server	AMI diagnostics User's Guide
Quick Launch	Easy installation of network operating systems	Quick Launch Reference Guide
ServerMaker	Configures servers and provides power information	ServerMaker Release Notes (V1.3 or greater)

Release notes are also available on the ServerWORKS Quick Launch CD-ROM disk.  
Check the User Documentation section for README information.

Reference Material

## **For More Information**

Refer to the Prioris ZX 6000MP Series User's guide for information on:

- Using the SCU
- Using the View and Edit option in the SCU
- OCP messages and server name option
- Changing your server's asset number
- Changing your server's ID number