

Hardware Information

Initial server setup

ESCALA POWER5



REFERENCE
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ESCALA POWER5

Hardware Information

Initial server setup

Hardware

July 2006

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FRANCE

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Initial server setup

Initial server setup

This topic collection provides an end-to-end setup checklist for you to use throughout the entire initial setup of your server. The checklist is intended to ensure that the system is capable of starting and that it is functional before you perform more complex and custom configurations.

- Hardware: Rack, expansion unit, and cabling it all together
- Console or interface: Hardware Management Console (HMC), Integrated Virtualization Manager, and Advanced System Management Interface
- Operating systems and logical partitions: AIX and Linux
- Service and support: Operating system or HMC connection

If you plan to upgrade your server or migrate data, see [Upgrades](#) and complete the required upgrade or migration tasks.

Use the following information to assist you in setting up your server:

- **[Printable PDF](#)**
Use this to view and print a PDF of this information.
 - **[Using predefined initial server setup checklists](#)**
Select the predefined checklist that best fits your needs.
 - **[Related information](#)**
View and print information related to the Initial server setup topic collection.
-

Printable PDF

Use this to view and print a PDF of this information.

To view or download the PDF version of this document, select [Initial server setup](#) (about 1200 KB).

You can view or download these related PDFs:

Installing hardware

[Installing the rack, rack features, and system or expansion unit into a rack](#) (about 13000 KB)

Cabling

[Cabling your server](#) (about 12000 KB)

Installing software

- [Installing AIX](#)
- [Installing Linux](#) (about 100 KB)

Consoles

- [Managing the Advanced System Management Interface \(ASMI\)](#) (about 200 KB)
- [Managing the Hardware Management Console \(HMC\)](#) (about 2800 KB)
- [Managing the Integrated Virtualization Manager](#) (about 175 KB)

Logical partitions

- [Partitioning for AIX with an HMC](#) (about 400 KB)
- [Partitioning for Linux with an HMC](#) (about 400 KB)
- [Partitioning with the Integrated Virtualization Manager](#) (about 400 KB)
- [Using the Virtual I/O Server](#) (about 1100 KB)

Other

- [Customer service, support, and troubleshooting](#) (about 5000 KB)
- [Power On Demand](#) (about 1100 KB)
- [Creating a virtual computing environment](#) (about 300 KB)

Saving PDF files

To save a PDF on your workstation for viewing or printing:

1. Right-click the PDF link in your browser.
2. Click the option that saves the PDF locally.
3. Navigate to the directory in which you want to save the PDF.
4. Click Save.

Downloading Adobe Reader

You need Adobe Reader installed on your system to view or print these PDFs. You can download a free copy from the [Adobe Web site](http://www.adobe.com/products/acrobat/readstep2.html) (www.adobe.com/products/acrobat/readstep2.html).

Parent topic: [Initial server setup](#)

Using predefined initial server setup checklists

Select the predefined checklist that best fits your needs.

With logical partitions	Without logical partitions
	ESCALA PL 245T/R
ESCALA PL 250R-L+ or ESCALA PL 450R-VL+	ESCALA PL 250R-L+ or ESCALA PL 450R-VL+

ESCALA PL 250R-VL or ESCALA PL 450R-XS	ESCALA PL 250R-VL or ESCALA PL 450R-XS
ESCALA PL 1650R-L+	ESCALA PL 1650R-L+
ESCALA PL 850R/PL 1650R/R+	ESCALA PL 850R/PL 1650R/R+
ESCALA PL 250T/R+ or ESCALA PL 450T/R-L+	ESCALA PL 250T/R+ or ESCALA PL 450T/R-L+
ESCALA PL 450T/R+ or ESCALA PL 850T/R-L+	ESCALA PL 450T/R+ or ESCALA PL 850T/R-L+
	471/85
112/85	112/85
ESCALA PL 250R-L	ESCALA PL 250R-L
ESCALA PL 250T/R	ESCALA PL 250T/R
ESCALA PL 450T/R	ESCALA PL 450T/R
ESCALA PL 850R/PL 1650R/R+	ESCALA PL 850R/PL 1650R/R+
185/75	
ESCALA PL 3250R	
ESCALA PL 6450R	
7/10	7/10
7/20	7/20

Parent topic: [Initial server setup](#)

Predefined setup checklist for model ESCALA PL 245T/R without logical partitions

Use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

— Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No: See the [Planning](#) topic

collection
for
instructions.

- Yes:
Continue
to the
next
step.

Initial server setup checklist

Printable PDFs

1. [Install the server into a rack.](#)

[Installing the rack, rack features, and system or expansion unit into a rack](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

3. Select the operating system that will run on your server.

AIX

—

[Install AIX](#)

Linux

—

[Install Linux.](#)

[Installing Linux](#)

4. [Set up an ESCALA PL 245T/R or a 471/85 system to connect to service and support.](#)

[Customer service, support, and troubleshooting](#)

5. Get fixes.

—

[Get server firmware fixes for an ESCALA PL 245T/R system.](#)

[Customer service, support, and troubleshooting](#)

—

[Get operating system fixes.](#)

[Customer service, support, and troubleshooting](#)

Installing AIX

Use your AIX installation instructions to complete this step.

Predefined setup checklist for model ESCALA PL 250R-L+ or ESCALA PL 450R-VL+ with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the HMC, contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

Initial server setup checklist

1. [Install the server into a rack.](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

- [Cable your server.](#)

Printable PDFs

[Installing the rack, rack features, and system or expansion unit into a rack](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Gather information for configuration settings.](#) [Managing the HMC](#)
 - [Configure the HMC using the HMC configuration checklist.](#) [Managing the HMC](#)
 - [Partition a new or nonpartitioned server.](#) [Partitioning for AIX with an HMC](#)
 - [Partitioning for Linux with an HMC](#)
- Integrated Virtualization Manager
- [Cable your server.](#) [Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Set up access to the Advanced System Management Interface.](#) [Managing the ASMI](#)
 - [Enter the activation code for Virtualization Engine technologies.](#) [Managing the Integrated Virtualization Manager](#)
 - [Install the Virtual I/O Server and enable the Integrated Virtualization Manager.](#) [Managing the Integrated Virtualization Manager](#)
 - [Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface.](#) [Managing the Integrated Virtualization Manager](#)
 - [Create and activate logical partitions.](#) [Partitioning with the Integrated Virtualization Manager](#)
3. Select one or more operating systems to install.
- AIX
 - [Install AIX](#)
 - Linux
 - [Install Linux.](#) [Installing Linux](#)
4. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
5. Get fixes.
- [Get HMC machine code fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)

After you finish

- [\(Optional\) Complete additional setup tasks.](#)

Completing additional setup tasks

View additional tasks to further customize the configuration of your system.

By completing the initial server setup checklist, you have completed the tasks necessary for your server to function and operate on the most basic level. To further customize the configuration of your system, select any of the following tasks:

Creating a virtual computing environment

Simplify management and utilization of resources. When you create a virtual computing environment, you consolidate the physical and logical resources into a manageable virtual environment. This allows you to pool resources such as memory, processors, networks, and storage into a single virtual environment.

Accessing the ASMI

The Advanced System Management Interface (ASMI) is the interface to the service processor that allows you to perform general and administrator-level service tasks such as reading service processor error logs, reading vital product data, setting up the service processor, and controlling the system power. The ASMI might also be referred to as the service processor menus. You can access the ASMI through a Web browser, the ASCII console, or the Hardware Management Console (HMC).

Predefined setup checklist for model ESCALA PL 250R-L+ or ESCALA PL 450R-VL+ without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection

- for instructions.
- Yes: Continue to the next step.

Initial server setup checklist

Printable PDFs

1. [Install the server into a rack.](#)

[Installing the rack, rack features, and system or expansion unit into a rack](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

3. [Set up access to the Advanced System Management Interface.](#)

[Managing the ASMI](#)

4. Select the operating system that will run on your server.

AIX

— [Install AIX](#)

Linux

— [Install Linux.](#)

[Installing Linux](#)

5. [Set up your server to connect to service and support.](#)

[Customer service, support, and troubleshooting](#)

6. Get fixes.

— [Get server firmware and power subsystem firmware fixes.](#)

[Customer service, support, and troubleshooting](#)

— [Get operating system fixes.](#)

[Customer service, support, and troubleshooting](#)

After you finish

- (Optional) [Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 250R-VL or ESCALA PL 450R-XS with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the HMC, contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

— Good planning is essential for the successful setup and use of your server.

The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No: See the [Planning](#) topic collection for instructions.
- Yes: Continue to the next step.

Initial server setup checklist

1. [Install the server into a rack.](#)

Printable PDFs

[Installing the rack, rack features, and system or expansion unit into a rack](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

[Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

[Gather information for configuration settings.](#)

[Managing the HMC](#)

[Configure the HMC using the HMC configuration checklist.](#)

[Managing the HMC](#)

[Partition a new or nonpartitioned server.](#)

[Partitioning for AIX with an HMC](#)

[Partitioning for Linux with an HMC](#)

Integrated Virtualization Manager

[Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

[Set up access to the Advanced System Management Interface.](#)

[Managing the ASMI](#)

[Enter the activation code for Virtualization Engine technologies.](#)

[Managing the Integrated Virtualization Manager](#)

[Install the Virtual I/O Server and enable the Integrated Virtualization Manager.](#)

[Managing the Integrated Virtualization Manager](#)

[Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface.](#)

[Managing the Integrated Virtualization Manager](#)

[Create and activate logical partitions.](#)

[Partitioning with the Integrated Virtualization Manager](#)

3. [Select one or more operating systems to install.](#)

AIX

[Install AIX](#)

Linux

[Install Linux.](#)

[Installing Linux](#)

4. [Set up your server to connect to service and support.](#)

[Customer service, support, and troubleshooting](#)

5. [Get fixes.](#)

[Get HMC machine code fixes.](#)

[Customer service, support, and troubleshooting](#)

[Get server firmware and power subsystem firmware fixes.](#)

[Customer service, support, and troubleshooting](#)

[Get operating system fixes.](#)

[Customer service, support, and troubleshooting](#)

After you finish

(Optional)
[Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 250R-VL or ESCALA PL 450R-XS without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

1. **Initial server setup checklist**
[Install the server into a rack.](#)

Printable PDFs

[Installing the rack, rack features, and system or expansion unit into a rack](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- | | | |
|----|--|--|
| 3. | Set up access to the Advanced System Management Interface. | Managing the ASMI |
| 4. | Select the operating system that will run on your server.
AIX
— Install AIX
Linux
— Install Linux. | Installing Linux |
| 5. | Set up your server to connect to service and support. | Customer service, support, and troubleshooting |
| 6. | Get fixes.
— Get server firmware and power subsystem firmware fixes.
— Get operating system fixes. | Customer service, support, and troubleshooting

Customer service, support, and troubleshooting |

After you finish

- (Optional) [Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 1650R-L+ with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Some setup tasks require the assistance of a service provider. The service providers have access to customized universal installation instructions (CUII) for those tasks that require their services.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you

with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No: See the [Planning](#) topic collection for instructions.
- Yes: Continue to the next step.

	Initial server setup checklist	Printable PDFs
1.	Select the method you will use to create logical partitions.	
	HMC	
	— Cable the HMC.	Managing the HMC
	— Gather information for configuration settings.	Managing the HMC
	— Configure the HMC using the HMC configuration checklist.	Managing the HMC
	 Note: Only complete the steps up to "Set up your HMC to connect to service and support" at this time. Some of this section will be completed by your service provider.	
	— Set up the server. This task must be performed by the service provider. Server setup might include cabling the server, installing the server into a rack, and configuring the service connection on the HMC. All other HMC configuration tasks are customer tasks.	
	— Return to Configure the HMC using the HMC configuration checklist and complete the remainder of the	Managing the HMC

checklist.

- | | | |
|--|--|--|
| — | Partition a new or nonpartitioned server. | Partitioning for AIX with an HMC
Partitioning for Linux with an HMC |
| Integrated Virtualization Manager | | |
| — | Set up the server. This task must be performed by the service provider. Server setup might include cabling the server, installing the server into a rack, and configuring service connections. | |
| — | Set up access to the Advanced System Management Interface. | Managing the ASMI |
| — | Enter the activation code for Virtualization Engine technologies. | Managing the Integrated Virtualization Manager |
| — | Install the Virtual I/O Server and enable the Integrated Virtualization Manager. | Managing the Integrated Virtualization Manager |
| — | Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface. | Managing the Integrated Virtualization Manager |
| — | Create and activate logical partitions. | Partitioning with the Integrated Virtualization Manager |
| 2. | Select one or more operating systems to install. | |
| | AIX | |
| — | Install AIX | |
| | Linux | |
| — | Install Linux. | Installing Linux |
| 3. | Set up your server to connect to service and support. | Customer service, support, and troubleshooting |
| 4. | Get fixes. | |
| — | Get HMC machine code fixes. | Customer service, support, and troubleshooting |
| — | Get server firmware and power subsystem firmware fixes. | Customer service, support, and troubleshooting |
| — | Get operating system fixes. | Customer service, support, and troubleshooting |

After you finish

- (Optional)
[Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 1650R-L+ without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), then use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Some setup tasks require the assistance of a service provider. The service providers have access to customized universal installation instructions (CUII) for those tasks that require their services.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

- Set up the server. This task must be performed by the service provider. Server setup might include cabling the server, installing the server into a rack, and configuring service connections.

Initial server setup checklist Printable PDFs

1. [Set up access to the Advanced System Management Interface.](#) [Managing the ASMI](#)
2. Select the operating system that will run on your server.
 - AIX
 - [Install AIX](#)
 - Linux
 - [Install Linux.](#) [Installing Linux](#)
3. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
4. Get fixes.
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)

After you finish

- [\(Optional\) Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 850R/PL 1650R/R+ with logical partitions

If you plan to configure logical partitions, install the server into a rack, enable Power On Demand, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Some setup tasks require the assistance of a service provider. The service providers have access to customized universal installation instructions (CUII) for those tasks that require their services.

Before you begin

- [Good planning is essential for the successful setup and use of your server. The customized Planning](#)

Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No: See the [Planning](#) topic collection for instructions.
- Yes: Continue to the next step.

Initial server setup checklist

Printable PDFs

1. Select the method you will use to create logical partitions.

HMC

- | | | |
|--|--|--|
| <input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/> | Cable the HMC.
Gather information for configuration settings.
Configure the HMC using the HMC configuration checklist. | Managing the HMC
Managing the HMC
Managing the HMC |
|--|--|--|

Note: Only complete the steps up to "Set up your HMC to connect to service and support" at this time. Some of this section will be completed by your service provider.

- | | | |
|--|---|----------------------------------|
| <input type="checkbox"/>
<input type="checkbox"/> | Set up the server. This task must be performed by the service provider. Server setup might include cabling the server, installing the server into a rack, setting up the 9411-100, and configuring the service connection on the HMC. All other HMC configuration tasks are customer tasks. | Managing the HMC |
|--|---|----------------------------------|

- Return to [Configure the HMC using the HMC configuration checklist](#) and complete the remainder of the checklist.
- [Partition a new or nonpartitioned server.](#) [Partitioning for AIX with an HMC](#)
[Partitioning for Linux with an HMC](#)
- Integrated Virtualization Manager
- Set up the server. This task must be performed by the service provider. Server setup might include cabling the server, installing the server into a rack, and configuring service connections.
 - [Set up access to the Advanced System Management Interface.](#) [Managing the ASMI](#)
 - [Enter the activation code for Virtualization Engine technologies.](#) [Managing the Integrated Virtualization Manager](#)
 - [Install the Virtual I/O Server and enable the Integrated Virtualization Manager.](#) [Managing the Integrated Virtualization Manager](#)
 - [Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface.](#) [Managing the Integrated Virtualization Manager](#)
 - [Create and activate logical partitions.](#) [Partitioning with the Integrated Virtualization Manager](#)
2. Select one or more operating systems to install.
 - AIX
 - [Install AIX](#)
 - Linux
 - [Install Linux.](#) [Installing Linux](#)
 3. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
 4. Get fixes.
 - [Get HMC machine code fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)
 5. (Optional) [Power On Demand.](#) [Power On Demand](#)

After you finish

— (Optional)
Complete
additional
setup tasks.

Predefined setup checklist for model ESCALA PL 850R/PL 1650R/R+ without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), then use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Some setup tasks require the assistance of a service provider. The service providers have access to customized universal installation instructions (CUII) for those tasks that require their services.

Before you begin

— Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No:
See the [Planning](#) topic collection for instructions.
- Yes:
Continue to the next step.

— Set up the server. This task must be performed by the service provider. Server setup might include

cabling the server, installing the server into a rack, and configuring service connections.

Initial server setup checklist [Printable PDFs](#)

1. [Set up access to the Advanced System Management Interface.](#) [Managing the ASMI](#)
2. Select the operating system that will run on your server.
 - [AIX](#)
 - [Install AIX](#)
 - [Linux](#)
 - [Install Linux.](#) [Installing Linux](#)
3. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
4. Get fixes.
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)

After you finish

- [\(Optional\) Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 250T/R+ or ESCALA PL 450T/R-L+ with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the Hardware Management Console (HMC), contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
- No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

Initial server setup checklist

1. [Install the server into a rack.](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Gather information for configuration settings.](#)

[Managing the HMC](#)

- [Configure the HMC using the HMC configuration checklist.](#)

[Managing the HMC](#)

- [Partition a new or nonpartitioned server.](#)

[Partitioning for AIX with an HMC](#)[Partitioning for Linux with an HMC](#)

Integrated Virtualization Manager

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- | | |
|---|--|
| <ul style="list-style-type: none"> ___ Set up access to the Advanced System Management Interface. ___ Enter the activation code for Virtualization Engine technologies. ___ Install the Virtual I/O Server and enable the Integrated Virtualization Manager. ___ Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface. ___ Create and activate logical partitions. | <ul style="list-style-type: none"> Managing the ASMI Managing the Integrated Virtualization Manager Managing the Integrated Virtualization Manager Managing the Integrated Virtualization Manager Partitioning with the Integrated Virtualization Manager |
| <p>3. Select one or more operating systems to install.</p> | |
| <p>AIX</p> <ul style="list-style-type: none"> ___ Install AIX | |
| <p>Linux</p> <ul style="list-style-type: none"> ___ Install Linux. | |
| <p>4. Set up your server to connect to service and support.</p> | |
| <p>5. Get fixes.</p> <ul style="list-style-type: none"> ___ Get HMC machine code fixes. ___ Get server firmware and power subsystem firmware fixes. ___ Get operating system fixes. | |
| <ul style="list-style-type: none"> Customer service, support, and troubleshooting Customer service, support, and troubleshooting Customer service, support, and troubleshooting | |

After you finish

- ___ (Optional) [Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 250T/R+ or ESCALA PL 450T/R-L+ without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

Good planning is essential for the successful setup and use of your server.

The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No:
See the [Planning](#) topic collection for instructions.
- Yes:
Continue to the next step.

Initial server setup checklist

Printable PDFs

1. [Install the server into a rack.](#)

[Installing the rack, rack features, and system or expansion unit into a rack](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

3. [Set up access to the Advanced System Management Interface.](#)

[Managing the ASMI](#)

4. Select the operating system that will run on your server.

AIX

— [Install AIX](#)

Linux

— [Install Linux.](#) [Installing Linux](#)

- | | | |
|----|---|--|
| 5. | Set up your server to connect to service and support. | Customer service, support, and troubleshooting |
| 6. | Get fixes. | |
| | — Get server firmware and power subsystem firmware fixes. | Customer service, support, and troubleshooting |
| | — Get operating system fixes. | Customer service, support, and troubleshooting |

After you finish

- (Optional)
Complete additional setup tasks.

Predefined setup checklist for model ESCALA PL 450T/R+ or ESCALA PL 850T/R-L+ with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the HMC, contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.

- Yes:
Continue
to the
next
step.

Initial server setup checklist

1. [Install the server into a rack.](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Gather information for configuration settings.](#)
- [Configure the HMC using the HMC configuration checklist.](#)
- [Partition a new or nonpartitioned server.](#)

[Managing the HMC](#)

[Managing the HMC](#)

[Partitioning for AIX with an HMC](#)

[Partitioning for Linux with an HMC](#)

Integrated Virtualization Manager

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Set up access to the Advanced System Management Interface.](#)
- [Enter the activation code for Virtualization Engine technologies.](#)
- [Install the Virtual I/O Server and enable the Integrated Virtualization Manager.](#)
- [Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface.](#)
- [Create and activate logical partitions.](#)

[Managing the ASMI](#)

[Managing the Integrated Virtualization Manager](#)

[Managing the Integrated Virtualization Manager](#)

[Managing the Integrated Virtualization Manager](#)

[Partitioning with the Integrated Virtualization Manager](#)

3. Select one or more operating systems to install.

AIX

- [Install AIX](#)

Linux

- [Install Linux.](#)

[Installing Linux](#)

4. [Set up your server to connect to service and support.](#)

[Customer service, support, and](#)

[troubleshooting](#)

5. Get fixes.

___ [Get HMC machine code fixes.](#)[Customer service, support, and troubleshooting](#)___ [Get server firmware and power subsystem firmware fixes.](#)[Customer service, support, and troubleshooting](#)___ [Get operating system fixes.](#)[Customer service, support, and troubleshooting](#)**After you finish**___ (Optional)
[Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 450T/R+ or ESCALA PL 850T/R-L+ without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

___ Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No: See the [Planning](#) topic collection for instructions.

- Yes:
Continue
to the
next
step.

Initial server setup checklist

Printable PDFs

- | | | |
|----|---|--|
| 1. | Install the server into a rack. | Installing the rack, rack features, and system or expansion unit into a rack |
|----|---|--|

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

- | | | |
|----|------------------------------------|-------------------------------------|
| 2. | Cable your server. | Cabling your server |
|----|------------------------------------|-------------------------------------|

Attention: Do not connect the server to a power source.

- | | | |
|----|--|-----------------------------------|
| 3. | Set up access to the Advanced System Management Interface. | Managing the ASMI |
|----|--|-----------------------------------|

- | | |
|----|---|
| 4. | Select the operating system that will run on your server. |
|----|---|

AIX

— [Install AIX](#)

Linux

— [Install Linux.](#)

[Installing Linux](#)

- | | | |
|----|---|--|
| 5. | Set up your server to connect to service and support. | Customer service, support, and troubleshooting |
|----|---|--|

- | | |
|----|------------|
| 6. | Get fixes. |
|----|------------|

—	Get server firmware and power subsystem firmware fixes.	Customer service, support, and troubleshooting
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—	Get operating system fixes.	Customer service, support, and troubleshooting
---	---	--

After you finish

- | | |
|---|--|
| — | (Optional)
Complete additional setup tasks. |
|---|--|

Predefined setup checklist for model 471/85 without logical partitions

Use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

Initial server setup checklist **Printable PDFs**

1. [Cable your server.](#) [Cabling your server](#)

Attention: Do not connect the server to a power source.

2. Select the operating system that will run on your server.
 - AIX
 - [Install AIX](#)
 - Linux
 - [Install Linux.](#) [Installing Linux](#)
3. [Set up an ESCALA PL](#) [Customer service, support, and](#)

245T/R or a 471/85 system to connect to service and support. [troubleshooting](#)

4. Get fixes.
 - [Get server firmware fixes for an ESCALA PL 245T/R system.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)
-

Predefined setup checklist for model 112/85 with logical partitions

If you plan to configure logical partitions, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the HMC, contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

Initial server setup checklist Printable PDFs

1. [Cable your server.](#) [Cabling your server](#)

- Attention:** Do not connect the server to a power source.

2. [Gather information for configuration settings.](#) [Managing the HMC](#)
3. [Configure the HMC using the HMC configuration checklist.](#) [Managing the HMC](#)
4. [Partition a new or nonpartitioned server.](#) [Partitioning for AIX with an HMC](#)
 [Partitioning for Linux with an HMC](#)
5. Select one or more operating systems to install.
 - AIX
 - [Install AIX](#)
 - Linux
 - [Install Linux.](#) [Installing Linux](#)
6. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
7. [Get fixes.](#)
 - [Get HMC machine code fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)

After you finish

- (Optional)
[Complete additional setup tasks.](#)
-

Predefined setup checklist for model 112/85 without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
- No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

Initial server setup checklist Printable PDFs

1. [Cable your server.](#) [Cabling your server](#)

Attention: Do not connect the server to a power source.

2. [Set up access to the Advanced System Management Interface.](#) [Managing the ASMI](#)
3. Select the operating system that will run on your server.
- AIX
- [Install AIX](#)
- Linux
- [Install Linux.](#) [Installing Linux](#)
4. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
5. Get fixes.
- [Get server firmware and power](#) [Customer service, support, and troubleshooting](#)

- subsystem firmware fixes.
- Get operating system fixes. Customer service, support, and troubleshooting

After you finish

- (Optional) Complete additional setup tasks.

Predefined setup checklist for model ESCALA PL 250R-L with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the HMC, contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the

next
step.

Initial server setup checklist

1. [Install the server into a rack.](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Gather information for configuration settings.](#)
- [Configure the HMC using the HMC configuration checklist.](#)
- [Partition a new or nonpartitioned server.](#)

[Managing the HMC](#)

[Managing the HMC](#)

[Partitioning for AIX with an HMC](#)

[Partitioning for Linux with an HMC](#)

Integrated Virtualization Manager

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Set up access to the Advanced System Management Interface.](#)
- [Enter the activation code for Virtualization Engine technologies.](#)
- [Install the Virtual I/O Server and enable the Integrated Virtualization Manager.](#)
- [Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface.](#)
- [Create and activate logical partitions.](#)

[Managing the ASMI](#)

[Managing the Integrated Virtualization Manager](#)

[Managing the Integrated Virtualization Manager](#)

[Managing the Integrated Virtualization Manager](#)

[Partitioning with the Integrated Virtualization Manager](#)

3. Select one or more operating systems to install.

AIX

- [Install AIX](#)

Linux

- [Install Linux.](#)

[Installing Linux](#)

4. [Set up your server to connect to service and support.](#)

[Customer service, support, and troubleshooting](#)

5. Get fixes.

- [Get HMC machine code fixes.](#)

- | | |
|---|--|
| ___ Get server firmware and power subsystem firmware fixes. | Customer service, support, and troubleshooting |
| ___ Get operating system fixes. | Customer service, support, and troubleshooting |
| | Customer service, support, and troubleshooting |

After you finish

- ___ (Optional)
[Complete additional setup tasks.](#)
-

Predefined setup checklist for model ESCALA PL 250R-L without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

- ___ Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
- No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next

step.

Initial server setup checklist

Printable PDFs

- | | | |
|----|---|--|
| 1. | Install the server into a rack. | Installing the rack, rack features, and system or expansion unit into a rack |
|----|---|--|

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

- | | | |
|----|------------------------------------|-------------------------------------|
| 2. | Cable your server. | Cabling your server |
|----|------------------------------------|-------------------------------------|

Attention: Do not connect the server to a power source.

- | | | |
|----|--|-----------------------------------|
| 3. | Set up access to the Advanced System Management Interface. | Managing the ASMI |
|----|--|-----------------------------------|

- | | |
|----|---|
| 4. | Select the operating system that will run on your server. |
|----|---|

AIX

— [Install AIX](#)

Linux

— [Install Linux.](#)

[Installing Linux](#)

- | | | |
|----|---|--|
| 5. | Set up your server to connect to service and support. | Customer service, support, and troubleshooting |
|----|---|--|

- | | |
|----|------------|
| 6. | Get fixes. |
|----|------------|

—	Get server firmware and power subsystem firmware fixes.	Customer service, support, and troubleshooting
---	---	--

—	Get operating system fixes.	Customer service, support, and troubleshooting
---	---	--

After you finish

- | | |
|---|--|
| — | (Optional)
Complete additional setup tasks. |
|---|--|

Predefined setup checklist for model ESCALA PL 250T/R with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the Hardware Management Console (HMC), contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

Initial server setup checklist

1. [Install the server into a rack.](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

- [Cable your server](#)

Printable PDFs

[Installing the rack, rack features, and system or expansion unit into a rack](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Gather information for configuration settings.](#) [Managing the HMC](#)
 - [Configure the HMC using the HMC configuration checklist.](#) [Managing the HMC](#)
 - [Partition a new or nonpartitioned server.](#) [Partitioning for AIX with an HMC](#)
 - [Partitioning for Linux with an HMC](#)
- Integrated Virtualization Manager
- [Cable your server](#) [Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Set up access to the Advanced System Management Interface.](#) [Managing the ASMI](#)
 - [Enter the activation code for Virtualization Engine technologies.](#) [Managing the Integrated Virtualization Manager](#)
 - [Install the Virtual I/O Server and enable the Integrated Virtualization Manager.](#) [Managing the Integrated Virtualization Manager](#)
 - [Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface.](#) [Managing the Integrated Virtualization Manager](#)
 - [Create and activate logical partitions.](#) [Partitioning with the Integrated Virtualization Manager](#)
3. Select one or more operating systems to install.
- AIX
- [Install AIX](#)
- Linux
- [Install Linux.](#) [Installing Linux](#)
4. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
5. Get fixes.
- [Get HMC machine code fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)

After you finish

- [\(Optional\) Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 250T/R without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
- No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

- | | | |
|----|--|--|
| 1. | <p>Initial server setup checklist</p> <p>Install the server into a rack.</p> <p>Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.</p> | <p>Printable PDFs</p> <p>Installing the rack, rack features, and system or expansion unit into a rack</p> |
| 2. | <p>Cable your server</p> <p>Attention: Do not connect the server to a power source.</p> | <p>Cabling your server</p> |
| 3. | <p>Managing the ASMI</p> | |

[Set up access to the Advanced System Management Interface.](#)

4. Select the operating system that will run on your server.
 - [AIX](#) [Install AIX](#)
 - [Linux](#) [Install Linux.](#) [Installing Linux](#)
5. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
6. Get fixes.
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)

After you finish

- (Optional) [Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 450T/R with logical partitions

If you plan to configure logical partitions, install the server into a rack, enable Power On Demand, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the Hardware Management Console (HMC), contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have

you completed
the Planning
Checklist?

- No:
See
the
[Planning](#)
topic
collection
for
instructions.
- Yes:
Continue
to the
next
step.

Initial server setup checklist

1. [Install the server into a rack.](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Gather information for configuration settings.](#)

[Managing the HMC](#)

- [Configure the HMC using the HMC configuration checklist.](#)

[Managing the HMC](#)

- [Partition a new or nonpartitioned server.](#)

[Partitioning for AIX with an HMC](#)

[Partitioning for Linux with an HMC](#)

Integrated Virtualization Manager

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Set up access to the Advanced System Management Interface.](#)

[Managing the ASMI](#)

- [Enter the activation code for Virtualization Engine technologies.](#)

[Managing the Integrated Virtualization Manager](#)

- [Install the Virtual I/O Server and enable the Integrated Virtualization Manager.](#)

[Managing the Integrated Virtualization Manager](#)

- [Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server](#)

[Managing the Integrated Virtualization Manager](#)

- | | |
|--|--|
| <ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> ___ command-line interface. ___ Create and activate logical partitions. 3. Select one or more operating systems to install. <ul style="list-style-type: none"> AIX <ul style="list-style-type: none"> ___ Install AIX Linux <ul style="list-style-type: none"> ___ Install Linux. 4. Set up your server to connect to service and support. 5. Get fixes. <ul style="list-style-type: none"> ___ Get HMC machine code fixes. ___ Get server firmware and power subsystem firmware fixes. ___ Get operating system fixes. 6. (Optional) Power On Demand. | <ul style="list-style-type: none"> Partitioning with the Integrated Virtualization Manager Installing Linux Customer service, support, and troubleshooting Customer service, support, and troubleshooting Customer service, support, and troubleshooting Customer service, support, and troubleshooting Power On Demand |
|--|--|

After you finish

- ___ (Optional) [Complete additional setup tasks.](#)

Predefined setup checklist for model ESCALA PL 450T/R without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

- ___ Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have

you completed
the Planning
Checklist?

- No:
See
the
[Planning](#)
topic
collection
for
instructions.
- Yes:
Continue
to the
next
step.

- | | Initial server setup checklist | Printable PDFs |
|----|---|--|
| 1. | Install the server into a rack. | Installing the rack, rack features, and system or expansion unit into a rack |
| | Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required. | |
| 2. | Cable your server. | Cabling your server |
| | Attention: Do not connect the server to a power source. | |
| 3. | Set up access to the Advanced System Management Interface. | Managing the ASMI |
| 4. | Select the operating system that will run on your server.
<div style="margin-left: 20px;"> <input type="checkbox"/> AIX
 <input type="checkbox"/> Install AIX </div> <div style="margin-left: 20px;"> <input type="checkbox"/> Linux
 <input type="checkbox"/> Install Linux. </div> | Installing Linux |
| 5. | Set up your server to connect to service and support. | Customer service, support, and troubleshooting |
| 6. | Get fixes. | |
| | <input type="checkbox"/> Get server firmware and power subsystem firmware fixes. | Customer service, support, and troubleshooting |
| | <input type="checkbox"/> Get operating system fixes. | Customer service, support, and troubleshooting |

After you finish

— (Optional)
[Complete additional setup tasks.](#)

Predefined setup checklist for model 185/75 with logical partitions

If you plan to configure logical partitions, install the server into a rack, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Some setup tasks require the assistance of a service provider. The service providers have access to customized universal installation instructions (CUII) for those tasks that require their services.

Before you begin

— Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No:
See the [Planning](#) topic collection for instructions.
- Yes:
Continue to the next step.

Initial server setup checklist [Printable PDFs](#)

1. [Cable the HMC.](#) [Managing the HMC](#)
2. [Gather information for configuration settings.](#) [Managing the HMC](#)
3. [Configure the HMC using the HMC configuration](#) [Managing the HMC](#)

[checklist.](#)

Note: Only complete the steps up to "Set up your HMC to connect to service and support" at this time. Some of this section will be completed by your service provider.

4. Set up the server. This task must be performed by the service provider. Server setup might include cabling the server, installing the server into a rack, and configuring the service connection on the HMC. All other HMC configuration tasks are customer tasks.
5. Return to [Configure the HMC using the HMC configuration checklist](#) and complete the remainder of the checklist. [Managing the HMC](#)
6. [Partition a new or nonpartitioned server.](#) [Partitioning for AIX with an HMC](#)
[Partitioning for Linux with an HMC](#)
7. Select one or more operating systems to install.
 - AIX
 - [Install AIX](#)
 - Linux
 - [Install Linux.](#) [Installing Linux](#)
8. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
9. Get fixes.
 - [Get HMC machine code fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)

After you finish

- (Optional)
[Complete additional](#)

[setup tasks.](#)

Predefined setup checklist for model ESCALA PL 3250R with logical partitions

If you plan to configure logical partitions, install the server into a rack, enable Power On Demand, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Some setup tasks require the assistance of a service provider. The service providers have access to customized universal installation instructions (CUII) for those tasks that require their services.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
 - No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

Initial server setup checklist [Printable PDFs](#)

1. [Cable the HMC.](#) [Managing the HMC](#)
2. [Gather information for configuration settings.](#) [Managing the HMC](#)
3. [Configure the HMC using the HMC configuration checklist.](#) [Managing the HMC](#)

Note: Only complete the steps up to "Set up your HMC to connect to service and support" at this time. Some of this section will be completed by your service provider.

4. Set up the server. This task must be performed by the service provider. Server setup might include cabling the server, installing the server into a rack, setting up the 9411-100, and configuring the service connection on the HMC. All other HMC configuration tasks are customer tasks.
5. Return to [Configure the HMC using the HMC configuration checklist](#) and complete the remainder of the checklist. [Managing the HMC](#)
6. [Partition a new or nonpartitioned server.](#) [Partitioning for AIX with an HMC](#)
[Partitioning for Linux with an HMC](#)
7. Select one or more operating systems to install.
 - AIX
 - [Install AIX](#)
 - Linux
 - [Install Linux.](#) [Installing Linux](#)
8. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
9. Get fixes.
 - [Get HMC machine code fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)
10. (Optional) [Power On Demand.](#) [Power On Demand](#)

After you finish

(Optional)
[Complete
additional
setup tasks.](#)

Predefined setup checklist for model ESCALA PL 6450R with logical partitions

If you plan to configure logical partitions, install the server into a rack, enable Power On Demand, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Some setup tasks require the assistance of a service provider. The service providers have access to customized universal installation instructions (CUII) for those tasks that require their services.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?
- No: See the [Planning](#) topic collection for instructions.
 - Yes: Continue to the next step.

Initial server setup checklist **Printable PDFs**

1. [Cable the HMC.](#) [Managing the HMC](#)
2. [Gather information for configuration settings.](#) [Managing the HMC](#)

3. [Configure the HMC using the HMC configuration checklist.](#) [Managing the HMC](#)

- Note:** Only complete the steps up to "Set up your HMC to connect to service and support" at this time. Some of this section will be completed by your service provider.

4. Set up the server. This task must be performed by the service provider. Server setup might include cabling the server, installing the server into a rack, setting up the 9411-100, and configuring the service connection on the HMC. All other HMC configuration tasks are customer tasks.
5. Return to [Configure the HMC using the HMC configuration checklist](#) and complete the remainder of the checklist. [Managing the HMC](#)
6. [Partition a new or nonpartitioned server.](#) [Partitioning for AIX with an HMC](#)
[Partitioning for Linux with an HMC](#)
7. Select one or more operating systems to install.
 - AIX
 - [Install AIX](#)
 - Linux
 - [Install Linux.](#) [Installing Linux](#)
8. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
9. Get fixes.
 - [Get HMC machine code fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)
10. (Optional) [Power On Demand.](#) [Power On Demand](#)

After you finish

- (Optional)
[Complete additional setup tasks.](#)
-

Predefined setup checklist for model 7/10 with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the (HMC), contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

- Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No: See the [Planning](#) topic collection for instructions.
- Yes: Continue to the next step.

- If you are planning to install a previous firmware version on your system and the fifth digit of your model's serial number is non-hexadecimal, ensure that your firmware is at least version 2.3.5 before beginning the installation.

Initial server setup checklist

1. [Install the server into a rack.](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Gather information for configuration settings.](#)
- [Configure the HMC using the HMC configuration checklist.](#)
- [Partition a new or nonpartitioned server.](#)

[Managing the HMC](#)[Managing the HMC](#)[Partitioning for Linux with an HMC](#)

Integrated Virtualization Manager

- [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- [Set up access to the Advanced System Management Interface.](#)
- [Enter the activation code for Virtualization Engine technologies.](#)
- [Install the Virtual I/O Server and enable the Integrated Virtualization Manager.](#)
- [Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface.](#)
- [Create and activate logical partitions.](#)

[Managing the ASMI](#)[Managing the Integrated Virtualization Manager](#)[Managing the Integrated Virtualization Manager](#)[Managing the Integrated Virtualization Manager](#)[Partitioning with the Integrated Virtualization Manager](#)

3. [Install Linux.](#)

[Installing Linux](#)

4. [Set up your server to connect to service and support.](#)

[Customer service, support, and troubleshooting](#)

5. Get fixes.

- [Get HMC machine code fixes.](#)
- [Get server firmware and power subsystem firmware fixes.](#)
- [Get operating system fixes.](#)

[Customer service, support, and troubleshooting](#)[Customer service, support, and troubleshooting](#)[Customer service, support, and troubleshooting](#)**After you finish**

(Optional)
[Complete additional setup tasks.](#)

Predefined setup checklist for model 7/10 without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No: See the [Planning](#) topic collection for instructions.
- Yes: Continue to the next step.

If you are planning to install a previous firmware version on your system and the fifth digit of your model's serial number is non-hexadecimal, ensure that your firmware is at least version 2.3.5 before beginning the installation.

Initial server setup checklist

1. [Install the server into a rack.](#)

Printable PDFs

[Installing the rack, rack features, and system or expansion unit into a rack](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. [Cable your server.](#) [Cabling your server](#)

Attention: Do not connect the server to a power source.

3. [Set up access to the Advanced System Management Interface.](#) [Managing the ASMI](#)
4. [Install Linux.](#) [Installing Linux](#)
5. [Set up your server to connect to service and support.](#) [Customer service, support, and troubleshooting](#)
6. [Get fixes.](#)
- [Get server firmware and power subsystem firmware fixes.](#) [Customer service, support, and troubleshooting](#)
 - [Get operating system fixes.](#) [Customer service, support, and troubleshooting](#)

After you finish

- [\(Optional\) Complete additional setup tasks.](#)

Predefined setup checklist for model 7/20 with logical partitions

If you plan to configure logical partitions, install the server into a rack, use the Integrated Virtualization Manager, set up the Hardware Management Console (HMC), or install the HMC into a rack, then use this checklist to help you set up your system.

If you need help setting up the HMC, contact your next level of support or your hardware service provider.

For a successful installation, complete the following tasks in order.

Before you begin

—

Good planning is essential for the successful setup and use of your server.

The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the Planning Checklist?

- No:
See the [Planning](#) topic collection for instructions.
- Yes:
Continue to the next step.

Initial server setup checklist

1. [Install the server into a rack.](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. Select the method you will use to create logical partitions.

HMC

[Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

[Gather information for configuration settings.](#)

[Managing the HMC](#)

[Configure the HMC using the HMC configuration checklist.](#)

[Managing the HMC](#)

[Partition a new or nonpartitioned server.](#)

[Partitioning for Linux with an HMC](#)

Integrated Virtualization Manager

[Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

- | | |
|---|--|
| <ul style="list-style-type: none"> ___ Set up access to the Advanced System Management Interface. ___ Enter the activation code for Virtualization Engine technologies. ___ Install the Virtual I/O Server and enable the Integrated Virtualization Manager. ___ Connect to the Integrated Virtualization Manager Web-based interface or Connect to the Virtual I/O Server command-line interface. ___ Create and activate logical partitions. | <ul style="list-style-type: none"> Managing the ASMI Managing the Integrated Virtualization Manager Managing the Integrated Virtualization Manager Managing the Integrated Virtualization Manager Partitioning with the Integrated Virtualization Manager |
| <ul style="list-style-type: none"> 3. Install Linux. | <ul style="list-style-type: none"> Installing Linux |
| <ul style="list-style-type: none"> 4. Set up your server to connect to service and support. | <ul style="list-style-type: none"> Customer service, support, and troubleshooting |
| <ul style="list-style-type: none"> 5. Get fixes. <ul style="list-style-type: none"> ___ Get HMC machine code fixes. ___ Get server firmware and power subsystem firmware fixes. ___ Get operating system fixes. | <ul style="list-style-type: none"> Customer service, support, and troubleshooting Customer service, support, and troubleshooting Customer service, support, and troubleshooting |

After you finish

- ___ (Optional)
Complete additional setup tasks.

Predefined setup checklist for model 7/20 without logical partitions

If you do not plan to configure logical partitions or set up the Hardware Management Console (HMC), use this checklist to help you set up your system.

For a successful installation, complete the following tasks in order.

Before you begin

- ___ Good planning is essential for the successful setup and use of your server. The customized Planning Checklist provides you with the planning tasks you need to perform. Have you completed the

Planning Checklist?

- No: See the [Planning](#) topic collection for instructions.
- Yes: Continue to the next step.

— If you are planning to install a previous firmware version on your system and the fifth digit of your model's serial number is non-hexadecimal, ensure that your firmware is at least version 2.3.5 before beginning the installation.

Initial server setup checklist

Printable PDFs

1. [Install the server into a rack.](#)

[Installing the rack, rack features, and system or expansion unit into a rack](#)

Note: Due to tipping considerations and for your safety and that of the equipment, the manufacturer does not ship the 7014 series model T42 or 0553 system racks populated above the 36U mark. Some additional installation of rack-mounted units might be required.

2. [Cable your server.](#)

[Cabling your server](#)

Attention: Do not connect the server to a power source.

3. [Set up access to the Advanced System Management Interface.](#)

[Managing the ASMI](#)

4. [Install Linux.](#)

[Installing Linux](#)

5. [Set up your server to connect to service and support.](#)

[Customer service, support, and troubleshooting](#)

6. [Get fixes.](#)

— [Get server firmware and power subsystem firmware fixes.](#)

[Customer service, support, and troubleshooting](#)

[Get operating system fixes.](#)

[Customer service, support, and troubleshooting](#)

After you finish

- [\(Optional\) Complete additional setup tasks.](#)
-

Related information

View and print information related to the Initial server setup topic collection.

Planning

[Planning](#)

Installing hardware

- [Installing the rack](#)
- [Installing a system or expansion unit into a rack](#)

Cabling

- [Cabling your server](#)
- [Cabling the HMC](#)

Installing software

[Installing Linux](#)

Consoles

- [Managing the Advanced System Management Interface \(ASMI\)](#) contains the following setup task:
 - ◆ [Accessing the Advanced System Management Interface](#)
- [Managing the Hardware Management Console \(HMC\)](#) contains the following setup tasks:
 - ◆ [Cabling the HMC](#)
 - ◆ [Gathering information for configuration settings](#)
 - ◆ [Configuring the HMC using the HMC configuration checklist](#)

Logical partitions

[Partitioning the server](#) contains the following setup :

- [Partitioning with an HMC](#)
- [Using the Virtual I/O Server](#)

Customer service, support, and troubleshooting

[Customer service, support, and troubleshooting](#) contains the following setup tasks:

- [Get HMC machine code fixes and upgrades](#)
- [Get operating system fixes](#)
- [Get server firmware and power subsystem firmware fixes and upgrades](#)
- [Get server firmware fixes for an ESCALA PL 245T/R system](#)
- [Set up your server to connect to service and support](#)
- [Set up an ESCALA PL 245T/R or a 471/85 system to connect to service and support](#)

Other

- [Creating a virtual computing environment](#)
- [Power On Demand](#)

Parent topic: [Initial server setup](#)

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