

AlphaServer Management Station

Installation Instructions for HP Tru64 UNIX Systems

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Product Version: AlphaServer Management Station *Version 5.2*

This document describes how to install the AlphaServer Management Station (AMS) and AlphaServer Management Utility (AMU) software on an HP Tru64 UNIX system.

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Installing AMS

The following sections describe what you need to do to prepare your system for installing the AlphaServer Management Station (AMS) software on an HP Tru64 UNIX workstation. The instructions describe the process of installing the applications from a CD-ROM and from a file that you download from the AMS Web site:

`ftp://ftp.digital.com/pub/Digital/Alpha/firmware/interim/ams/index.html`

1.1 Hardware and Software Requirements

Before you begin the installation, make sure that your hardware and software meet the following minimum requirements:

Hardware Requirements

- Any AlphaServer Management Station platform or workstation
- At least 512 MB of RAM. 1 GB is recommended
- Two network interface cards
- 4 GB of free disk space
- 1.5 GB of swap space
- Depending upon the existing configuration of the platform, you may need a separate computer (a desktop or laptop) to connect to and configure the Network Address Translation (NAT) box included with the AlphaServer ES47, ES80, and GS1280 platform box so the AMS can communicate with the platform. See the installation instructions that came with your AlphaServer for specific information.

Software Requirements

- Tru64 UNIX Tru64 UNIX Version 5.1B-2 or higher
- Netscape 4.76 or higher
- Java SDK and Plug-In 1.4.2-5

Software Needed to Access Remotely

To access the AMS remotely from a browser on a PC, your PC must include one of the following browsers and appropriate Java software:

- One of the following:
 - Netscape 6 or higher
 - Microsoft Internet Explorer 5.5 or higher
 - Mozilla 1.1 or higher
- Sun's Java JRE and Java Plug-In 1.4.2_*

1.2 Choosing Between an Upgrade or a Clean Installation

If you have a previous version of AMS installed on your system, you can perform a clean installation or an upgrade installation of the new program:

- For an upgrade installation, you preserve the configuration settings and log files from the previous installation, which you do by retaining the `/usr/opt/ams` directory. After you remove the kit, as described in the Removing Previous Installations section, proceed with the new installation.
- For a clean installation, you remove all preserved files by removing the `/usr/opt/ams` directory after following the instructions in the Removing Previous Installations section. You then proceed with the new installation.

1.3 Removing Previous Installations

Because the AMS software subset includes the AlphaServer Management Utility (AMU), you cannot install the AMS software if a standalone version of the AMU is already installed. You must remove the AMU software before installing AMS.

The following steps describe how to determine if prior installations are present and how to remove them.

1. On the AlphaServer platform that you designate to be the AMS, log in as superuser or root.
2. Determine if the AMS or AMU software is installed.
 - a. To determine if the AMS software was installed previously, enter the following command:

```
# /usr/sbin/setld -i | grep -i AMS
```

This command displays any software subsets that contain AMS software. The absence of any software subsets means that no instances of the AMS software was installed previously. If that is the case, you can begin the installation.

Alternatively, when the output of the `/usr/sbin/setld` command looks like the following, the AMS software may still be installed:

```
AMSBASE510    installed    AMS Base Kit
```

- b. To determine if the AMU software was installed previously, enter the following command:

```
# /usr/sbin/setld -i | grep -i AMU
```

This command displays any software subsets that contain AMU software. The absence of any software subsets means that no instances of the AMU software was installed previously. If that is the case, you can begin the installation.

Alternatively, when the output of the `/usr/sbin/setld` command looks like the following, the AMU software may still be installed:

```
AMUBASE510    installed    AMU Subset
```

3. Remove any installed version of the AMS or AMU as follows:

```
# /usr/sbin/setld -d AMSBASE510
```

```
# /usr/sbin/setld -d AMUBASE510
```

See `setld(8)` for more information.

1.4 Installing from CD-ROM

The following steps describe how to install AMS from the CD-ROM:

1. On the AlphaServer platform that you designate to be the AMS, log in as superuser or root.

2. Create a directory to serve as the mount point for the CD-ROM. For example:

```
# mkdir /cdrom
```

3. Determine the device name of the CD-ROM drive by entering the following command:

```
# ls /dev/disk/cdrom*c  
/dev/disk/cdrom0c
```

This example shows that the CD-ROM device name is `/dev/disk/cdrom0c`.

4. Insert the Server Management CD into the CD-ROM drive and mount it. For example:

```
# /usr/sbin/mount -t cdfs -o noversion /dev/disk/cdrom0c /cdrom
```

5. Use the `setld` utility to install the AMS software as follows:

```
# /usr/sbin/setld -l /cdrom/Tru64/AMS
```

This command starts the installation of the `AMSBASE520` subset. Install all of the subsets, following the on-screen instructions. See `setld(8)` for more information.

6. Unmount the CD-ROM. For example:

```
# /usr/sbin/umount /cdrom
```

You can now remove the CD-ROM from the drive.

7. Before accessing the application, see Chapter 1 and Chapter 2 of the *AlphaServer Management Station User's Guide* for information about accessing and configuring the AMS software.

1.5 Installing the File Downloaded from the Web

The following steps describe how to install AMS from a file downloaded from the Web:

1. On the AlphaServer platform that you designate to be the AMS, log in as superuser or root.
2. Create a temporary directory to store the file to be downloaded. For example:

```
# mkdir /tmp/amskit
```

3. Using your Web browser, download the software kit you want to install from the following site and save it to the directory you created in the previous step:

```
ftp://ftp.digital.com/pub/Digital/Alpha/firmware/interim/ams/index.html
```

4. Extract the kit. For example:

```
# tar xvf /tmp/amskit/AMS5.2.0-tru64.tar
```

5. Use the `setld` utility to install the AMS software as follows:

```
# /usr/sbin/setld -l /tmp/amskit
```

This command starts the installation of the `AMSBASE520` subset. Install all of the subsets, following the on-screen instructions. See `setld(8)` for more information.

6. You can now delete the `/tmp/amskit` directory.
7. Before accessing the application, see Chapter 1 and Chapter 2 of the *AlphaServer Management Station User's Guide* for information about accessing and configuring the AMS software.

Installing AMU

The following sections describe what you need to do to prepare your system for installing the AMU software as a standalone program, and the steps to follow to install it from a CD-ROM or from a file that you download from the Web.

2.1 Hardware and Software Requirements

Before you begin the installation, make sure that your hardware and software meet the following minimum requirements:

Hardware Requirements

- Any AlphaServer Management Station platform
- At least 512 MB of RAM. 1 GB is recommended
- A network interface card
- 4 GB of free disk space
- 1.5 GB of swap space
- Depending upon the existing configuration of the platform, you may need a separate computer (a desktop or laptop) to connect to and configure the Network Address Translation (NAT) box included with the AlphaServer ES47, ES80, and GS1280 platform box so the AMU can communicate with the platform. See the installation instructions that came with your AlphaServer for specific information.

Software Requirements

- Tru64 UNIX Tru64 UNIX Version 5.1B-2 or higher
- Netscape 4.76 or higher
- Java SDK and Plug-In 1.4.2-5

Software Needed to Access Remotely

To access the AMS remotely from a PC, it must include the following software:

- One of the following browsers:
 - Netscape 4.76 or higher
 - Microsoft Internet Explorer 5.5 or higher
- Sun's Java JRE and Java Plug-In 1.4.2_*

2.2 Choosing Between an Upgrade or a Clean Installation

If you have a previous version of AMS installed on your system, you can perform a clean installation or an upgrade installation of the new program:

- For an upgrade installation, you preserve the configuration settings and log files from the previous installation, which you do by retaining the `/usr/opt/amu` directory. After you remove the kit, as described in the Removing Previous Installations section, proceed with the new installation.

- For a clean installation, you remove all preserved files by removing the `/usr/opt/amu` directory after following the instructions in the Removing Previous Installations section. You then proceed with the new installation.

When upgrading AMU, the `Configuration.xml` file is preserved but the `Templates.xml` file is not. To create or modify templates and configurations, use the AMU Visual Editor. See the AMU chapter of the *AlphaServer Management Station User's Guide* for information on using the Visual Editor.

2.3 Removing Previous Installations

You cannot install the standalone version of the AMU if the AMS software is already installed, because the AMS software subset includes the AMU. If you want to install the standalone version of AMU, you must remove any AMS software currently installed. The following steps describe how to determine if prior installations are present and how to remove them.

1. Log in as superuser or root.
2. Determine if the AMS or AMU software is installed.
 - a. To determine if the AMS software was installed previously, enter the following command:

```
# /usr/sbin/setld -i | grep -i AMS
```

This command displays any software subsets that contain AMS software. The absence of any software subsets means that no instance of the AMS software was installed previously. If that is the case, you can begin the installation.

Alternatively, when the output of the `/usr/sbin/setld` command looks like the following, the AMS software may still be installed:

```
AMSBASE510      installed      AMS Base Kit
```

- b. To determine if the AMU software was installed previously, enter the following command:

```
# /usr/sbin/setld -i | grep -i AMU
```

This command displays any software subsets that contain AMU software. The absence of any software subsets means that no instance of the AMU software was installed previously. If that is the case, you can begin the installation.

Alternatively, when the output of the `/usr/sbin/setld` command looks like the following, the AMU software may still be installed:

```
AMUBASE510      installed      AMU Subset
```

3. Remove any installed version of the AMS or AMU as follows:

```
# /usr/sbin/setld -d AMSBASE510
```

```
# /usr/sbin/setld -d AMUBASE510
```

See `setld(8)` for more information.

2.4 Installing from a CD-ROM

The following steps describe how to install the software components of the AlphaServer Management Utility software on a workstation:

1. On the AlphaServer platform, log in as superuser or root.
2. Create a directory to serve as the mount point for the CD-ROM if you have not already done so:

- ```
mkdir /cdrom
```
- Determine the device name of the CD-ROM drive by entering the following command:

```
ls /dev/disk/cdrom*c
```

```
/dev/disk/cdrom0c
```

This example shows that the CD-ROM device name is `/dev/disk/cdrom0c`.
  - Insert the Server Management CD into the CD-ROM drive and mount it. For example:

```
/usr/sbin/mount -t cdfs -o noversion /dev/disk/cdrom0c /cdrom
```
  - Use the `setld` utility to install the AMU software.

```
/usr/sbin/setld -l /cdrom/Tru64/AMU
```

This command starts the installation of the AMUBASE520 subset. Install all of the subsets, following the on-screen instructions. See `setld(8)` for more information.
  - Unmount the CD-ROM:

```
/usr/sbin/umount /cdrom
```

You can now delete the `/cdrom` directory.
  - Before accessing the application, see the appropriate sections in Chapter 1 and Chapter 3 of the *AlphaServer Management Station User's Guide* for information about accessing and configuring the AMU software.

## 2.5 Installing the File Downloaded from the Web

The following steps describe how to install AMU from a file downloaded from the Web:

- On the AlphaServer platform that you designate to be the AMU, log in as superuser or root.
- Create a temporary directory to store the file to be downloaded. For example:

```
mkdir /tmp/amukit
```
- Using your Web browser, download the software kit you want to install from the following site and save it to the directory you created in the previous step:

```
ftp://ftp.digital.com/pub/Digital/Alpha/firmware/interim/ams/index.html
```
- Extract the kit. For example:

```
tar xvf /tmp/amukit/AMU5.2.0-tru64.tar
```
- Use the `setld` utility to install the AMS software as follows:

```
/usr/sbin/setld -l /tmp/amukit
```

This command starts the installation of the AMUBASE520 subset. Install all of the subsets, following the on-screen instructions. See `setld(8)` for more information.
- You can now delete the `/tmp/amukit` directory.
- Before accessing the application, see the appropriate sections in Chapter 1 and Chapter 3 of the *AlphaServer Management Station User's Guide* for information about accessing and configuring the AMU software.