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AlphaServer 300 Release Notes

EK–AS300–RN. A01

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Windows NT Server Installations

Customers who are installing the Windows NT Server operating system on the AlphaServer 300 should read and follow the procedures outlined below before performing the installation. These procedures assume some familiarity with the AlphaServer 300 ARC and SRM console firmware interfaces. For information on the firmware consoles, refer to Chapter 3 of the *AlphaServer 300 User's Guide*.

_____ **Note** _____

During a Windows NT installation on an AlphaServer 300, the server setup screen displays "AlphaStation 200/400 Family" as the name of the computer. No changes to this setting are required, and no errors will occur. You can continue with the installation.

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Creating Partitions

If you are installing Windows NT Server on a disk that has not been partitioned and formatted, follow the procedure below. These instructions supersede the procedure documented in Appendix C of the *AlphaServer 300 User's Guide*.

1. If the ARC console is running, go to step 2. If the SRM console is running, type the following at the >>> prompt:

```
>>>set os_type nt
```

   Cycle the system power. The system will restart with the ARC console running.

2. Insert the Microsoft Windows NT CD-ROM into the CD drive.

3. From the ARC console Boot menu, select Run a Program.

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4. At the `Program to run:` prompt, type:

    `cd:\alpha\arcinst`

    If you receive a "Pathname is not defined" error, go to the ARC console Setup menu and select `Set the environment variables.` Select `CD-ROM`, then enter the SCSI bus number and ID of the CD-ROM drive. (If you do not know these, return to the Supplementary menu and choose `Display Hardware Configuration.`)

    Next, select `Set the default configuration` and follow the steps. Save the changes and then type `cd:\alpha\arcinst` to start the arcinst program.

5. From the arcinst menu, choose

    `Configure Partitions`

6. From the next screen displayed, choose

    `Create Partition.`

    A list of available target devices displays.

    `Scsi bus 0,Identifier 0,Disk 0 (scsi(0)disk(0)rdisk(0))`

    Identifier is the ID of the SCSI device, drive 0 in this case. If partitions already exist on the target disk, select `Delete Partition` from the Configure Partitions menu. Follow the prompts and delete all the partitions on the disk.

7. Select the desired target device. The system partition should be 6 MB, so enter the desired partition size of your C drive minus 6 MB.

    `Enter size in MB (1-1001): 995`

8. Press any key to continue. Enter `n` at the following prompt:

    `Do you want to make this the system partition (y/n)? n`
    `Formatting scsi(0)disk(0)rdisk(0)partition(1)`

9. Press any key to continue. Choose

    `Create System Partition`

    A list of available target devices displays.

10. Select the desired target device. A prompt for partition size displays.

11. Enter 6 MB as the desired partition size of your D drive:

    ```
    Enter size in MB (1-6): 6
    ```

12. Press any key to continue. The following appears:

    ```
    Formatting scsi(0)disk(0)rdisk(0)partition(2)
    ```

13. Press any key to continue. The `Configure Partitions` menu redisplays.

14. Select `Exit`. The arcinst menu displays.

15. Select `Exit`. The ARC Boot menu displays.

16. Choose `Supplementary Menu...`, then choose `Set up the system....`

_____ **Note** _____

If any items on the Setup menu are highlighted in yellow, address those items before proceeding. For example, you might need to set the system time.
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17. From the Setup menu choose `Edit environment variables`.

18. At the `Name:` prompt, enter the following:

    ```
    Name:  systempartition
    ```

    The following value is displayed:

    ```
    scsi(0)disk(0)rdisk(0)partition(1)
    ;scsi(0)disk(0)rdisk(0)partition(2)
    ```

19. Press Home to go to the beginning of the line. Using the Delete key, delete the variable that ends with partition (1), including the semicolon separator:

    ```
    scsi(0)disk(0)rdisk(0)partition(1);
    ```

    You should now see only the following value:

    ```
    scsi(0)disk(0)rdisk(0)partition(2)
    ```

20. At the `Name:` prompt, press Esc to return to the Setup menu.

21. From the Setup menu, choose `Supplementary menu, and save changes...`

22. Verify that the system partition is set correctly as follows:

    Return to the Setup menu and choose `Edit Environment variables.`
    At the `Name:` prompt, type `systempartition.` The following should be
    displayed:

    ```
    scsi(0)disk(0)rdisk(0)partition(2)
    ```

    Press Esc to return to the Setup menu, then choose `Supplementary menu and
    do not save changes.`

    You are now ready to install Windows NT.

Installing ATI MACH64 Graphics Driver (for Windows NT V3.51)

On an AlphaServer 300 system configured for Windows NT Server with an ATI MACH64 (PB2GA-FB) graphics controller, the driver for this controller must be installed from a diskette during the operating system installation. This is necessary because Windows NT V3.51 does not contain a driver for the PB2GA-FB controller. Use the following procedure:

1. Insert the Windows NT Server CD-ROM into the CD drive.

2. From the ARC console Boot menu, select `Supplementary menu....`

3. Select `Install Windows NT from CD-ROM.`

4. When prompted for Express Setup or Custom Setup, Press C to choose the custom setup. The Windows NT Server Setup Screen displays the following:

   ```
        Computer:  Digital AlphaStation 200/400 Family
        Display:   VGA Compatible
        Keyboard:  XT, AT, or Enhanced Keyboard (83-102 keys)
   Keyboard Layout:US
   Pointing Device:Mouse Port Mouse

   No Changes:  The above list matches my computer.
   ```

   ───────────────────────── **Note** ─────────────────────────

   Even though the display shows "AlphaStation 200/400 Family," the firmware recognizes the AlphaServer 300 system. No changes to this setting are required.
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5. Use the up arrow key to go to `Display:` and press Enter.

6. At the next screen, use the down arrow key to go to the following selection:

   ```
   Other (Requires disk provided by a hardware manufacturer)
   ```

7. Insert the diskette that contains the ATI MACH64 driver into the diskette drive.

8. Press Enter on the `Other` selection, then press Enter again. The ATI MACH64 driver is added to the display.

```
ATI Graphics Accelerators
```

9. Press Enter to display the new settings on the Setup screen:

```
    Computer:  Digital AlphaStation 200/400 Family
    Display:   ATI Graphics Accelerators
    Keyboard:  AT, AT, or Enhanced Keyboard (83-102 keys)
Keyboard Layout:US
Pointing Device:Mouse Port Mouse

No Changes:  The above list matches my computer.
```

10. Press Enter to continue with the operating system installation, and follow the instructions on the screens.