AMD-RAID / AMD RAIDXpert2
Software Installation Guide
RC-6 Release
Version 1.11

Contents

1 Transfer Promise RAID Data to AMD-RAID Arrays

1. On original RAID system Right-click "Start" and click "Explore."
2. Click on your RAID volume.
3. Highlight the file(s) you wish to transfer.
4. Drag and drop the file(s) to another drive of your choice (network drive or other backup device). The data will be copied from your RAID array to the destination drive with no further effort on your part.
5. When the transfer is complete the data is backed up. If errors have occurred restart the volume or file transfer.
6. On the new AMD system, if the OS is already installed:
    a. Connect to the network drive or other backup device.
    b. Use RAIDXpert2 to create a new Array of your choice.
    c. In Manage select disk management.
    d. Right click on the new volume and format it as FAT or NTFS using drive letter of your choice.
    e. Wait until the Windows format completes.
    f. Copy the data from the network drive or backup device to the newly created disk.
7. Wait until all data is transferred. If errors have occurred restart the volume or file transfer.

2 GENERAL INFORMATION

2.1 Purpose

This Installation Guide is designed to assist with system setup, by performing these general procedures:
Copy device drivers to removable storage media for the following operating systems:

- Microsoft® Windows XP x32 SP 3 and x64 SP 2
- Microsoft® Windows Vista x32 and x64
- Microsoft® Windows 7 x32 and x64
- Microsoft® Windows 8 x32 and x64
- SUSE® Linux Enterprise Desktop (SLED) 10 SP 4 x32 and x64
- SUSE® Linux Enterprise Desktop (SLED) 11 SP 2 x32 and x64
- Ubuntu Desktop Linux 12.04.1 x32 and x64
- Ubuntu Desktop Linux 12.10 x32 and x64

Install the device drivers and applications on a system at the same time that the Windows or Linux operating system is installed.

System requirements

Component	Requirements
Memory (RAM)	Minimum: 2 GB Recommended: 4 GB
Hard Disk	One to Twelve SATA or SSD HDD's
Supported Controllers	AMD® Hudson AMD® Riverside AMD® Bolton
System used for testing	Annapurna

	Cobia Pumori

2.2 System setup process

A generic system setup process is described below.

1. Copy the AMD-RAID drivers to a removable storage medium.
2. Power-on the system.
3. Access the platform BIOS window for the system. For supported AMD chipsets, set the SATA mode as RAID. (This enables the loading of the AMD-RAID Option-ROM).
4. Initialize the disks, using the BIOS Configuration Utility.
5. Create arrays, using the BIOS Configuration Utility.
6. Install the AMD-RAID drivers on the system.
7. Load the operating system.
8. Install the OS RAID Management Suite (AMD RAIDXpert2) on the system.

IMPORTANT: To protect your data; always perform a backup prior to installing any new, major hardware or software.

Before you begin...

Have the Windows or Linux operating system installation media available and ready to install.

3 BOOTABLE ARRAYS: COPY AMD-RAID DRIVERS TO A REMOVABLE STORAGE MEDIUM

3.1 Copy AMD-RAID drivers: Windows

A removable storage medium is needed when the OS is installed to an AMD-RAID bootable array.

1. Power-on the system.
2. Locate and use a system that is running a Windows operating system and has a CD DVD drive, floppy disk drive, or an I/O port for removable storage media (such as a USB flash drive).
3. Go to a browser and access the web site of your system supplier or motherboard vendor.
4. Insert the storage medium into the system:
   - Windows XP: Insert a floppy disk into the disk drive.
   - Windows Vista, Windows 7 or Windows 8: Connect a USB flash drive to a USB I/O port, or insert a blank CD-DVD disk into the applicable drive.
5. Download the AMD-RAID drivers from the web site to the appropriate removable storage medium.
6. Proceed to Windows: Install AMD-RAID drivers during a Windows OS installation.

3.2 Copy AMD-RAID drivers: Linux

NOTE: Only a USB flash drive can be used to copy and load the AMD-RAID drivers.

1. Power-on the system.
2. Locate and use a system that is running a Windows operating system and has a USB I/O port for the USB flash drive.
3. Go to a browser and access the web site of your system supplier or motherboard vendor.
4. Insert a USB flash drive into the USB I/O port of the system.
5. Download the AMD-RAID drivers for the correct distribution version of Linux. Copy the drivers onto the USB flash drive:

For **SLED Linux**: Copy the files contained inside the applicable dd-rcraid-SLES1x-2.6.xx.xx- folder to the USB flash drive. The following files should be located on the USB flash drive for a SUSE Linux Enterprise Desktop (SLED) installation.

Example:

linux folder
common_shell
install
LICENSE
Uninstall

For **Ubuntu Linux**: Copy the files contained inside the applicable dd-rcraid-Ubuntu12-3.w.x-yz - folder into a dd directory located on a USB flash drive. The following files should be located in the dd directory located on the USB flash drive root, for an Ubuntu Linux Desktop installation.

Example:
load_raidcore
post_install
post_install2
pre_install
rcraid.ko
rcraid_generic.ko
readme

6. Proceed to Linux: Install AMD-RAID drivers during a Linux OS installation.

4 Pre-Installation Steps

4.1 BIOS Mode

1. Power-on the system.
2. In the Platform BIOS, set or configure the **SATA Mode** to **RAID**.
3. In the Platform BIOS, set or configure the **RAID Type** to **RAID** or **RAID5** depending on your license level.
4. In the Platform BIOS, set or configure the Boot mode to **Legacy**.
5. Make sure that the AMD-RAID bootable array is included in the system's boot priority list.
6. At the system's Power-On Self-Test (POST) screen, press **Ctrl + R** to access the BIOS Configuration Utility (aka Option-ROM or O-ROM).
7. Scroll to Controller Options. Make sure that INT13 Boot Support is **ON** for AMD-RAID.
8. If more than one array exists at the BIOS Configuration Utility, make sure that the desired bootable array is the first array listed in the Arrays list. Use the Swap Two Arrays task to place the bootable array first.

4.2 UEFI Mode

1. Power-on the system.
2. In the Platform BIOS, set or configure the **SATA Mode** to **RAID**.
3. In the Platform BIOS, set or configure the **RAID Type** to **RAID** or **RAID5** depending on your license level.
4. In the Platform BIOS, set or configure the **UEFI Boot** to **Enable**.
5. In the Platform BIOS, set or configure the **SATA supporting as** to **UEFI Mode**.
6. At the system's Power-On Self-Test (POST) screen, press F7 / F12 / ESC (or similar) to access the UEFI Configuration Utility (aka UEFI Boot Manager).
7. Boot to the EFI Internal shell
8. Enter fsx:, where x is the number of the UEFI Flash Drive.
9. Use rcadm to create the desired Boot Virtual Disk.

5 Install AMD-RAID Drivers

5.1 Windows: Install AMD-RAID drivers during a Windows OS installation

5.1.1 Install the AMD-RAID drivers during a Windows XP Installation

NOTE: The windows described in this guide are typical. Path names and text can vary, depending on user-designated selections and other parameters.

1. Power-on the system.
2. Insert the storage medium with the AMD-RAID drivers into the USB port or applicable system drive.
   NOTE: For the XP installations a floppy diskette must be used.
3. Create a bootable array, see Section 3.
4. Insert the Microsoft Windows operating system CD-ROM or DVD into the system's CD or DVD drive.
5. Boot the system and allow it to access the Microsoft Windows operating system CD-ROM or DVD.
   NOTE: At step 6 for Windows XP, Press **F6** immediately.
6. At the applicable Windows setup window, perform the following:
   - Press **F6** to install the drivers.
   - At the driver selection window, press **S** to select a third-party driver.
   - Browse to the location of the driver, Press **Enter**.
7. Follow the on-screen instructions to complete the installation of the applicable Windows operating system.
8. After the OS is installed, Open Device Manager,
   Under Other Devices, Right Click on AMD Configuration Device
   Select Update driver software
   Select Browse and navigate to the storage medium
   Click OK
   Click Next
   If the Windows Security Pop up appears, Click Install (or similar)
   Click Close
9. Reboot the system.
10. After the OS has booted up, see Windows: Install the AMD RAIDXpert2 Management Suite.
11. Remove the storage medium and Microsoft Windows OS CD-ROM or DVD from the applicable drive(s) and port.

5.1.2 Install the AMD-RAID drivers during a Windows Vista, 7 and 8 Installation

NOTE: The windows described in this guide are typical. Path names and text can vary, depending on user-designated selections and other parameters.

1. Power-on the system.
2. Insert the storage medium with the AMD-RAID drivers into the USB port or applicable system drive.
3. Create a bootable array, see Section 3.
4. Insert the Microsoft Windows operating system CD-ROM or DVD into the system's CD or DVD drive.
5. Boot the system and allow it to access the Microsoft Windows operating system CD-ROM or DVD.
6. At the applicable Windows setup window, perform the following:
   - Enter the requested information at the Install Windows window.
   - At the Load Driver window, click **Browse**.
   - Locate and select the applicable driver. Click **OK**.
   - At the Select the driver to be installed window, review the selected driver, if OK, Click **Next**.
7. Follow the on-screen instructions to complete the installation of the applicable Windows operating system.
8. After the OS is installed, Open Device Manager,
   Under Other Devices, Right Click on AMD Configuration Device
   Select **Update driver software**
   Select Browse and navigate to the storage medium

Click **OK**
Click **Next**
If the Windows Security Pop up appears, **Click Install** (or similar)
Click **Close**

9. Reboot the system.
10. After the OS has booted up, see Windows: Install the AMD RAIDXpert2 Management Suite.
11. Remove the storage medium and Microsoft Windows OS CD-ROM or DVD from the applicable drive(s) and port.

5.2 Linux: Install AMD-RAID BIOS drivers during a Linux OS Installation

NOTE: The Linux operating system modules must include the gcc+ compiler and the pthreads library, so that the rcadm program can be installed properly.
There are separate procedures in this section for:
• SLED 10 sp 4 and 11 sp 2 – see Install the AMD-RAID drivers during a SLED Linux Installation.
• Ubuntu Linux 12.x – see install the AMD-RAID drivers during an Ubuntu 12.x Desktop Linux Installation.

5.2.1 Install the AMD-RAID BIOS drivers during a SLED Linux Installation

NOTE: Prior to starting this procedure, obtain the AMD-RAID drivers from your system supplier or motherboard vendor. Copy the AMD-RAID drivers to a USB flash drive. See Copy AMD-RAID drivers: Linux.
NOTE: The SLED driver CD-ROM .iso image contains all Linux variations (smp, bigsmp, etc.) for a particular release. Therefore, only one .iso file exists.
NOTE: Not all of the windows indicated in this procedure will appear during the installation.

1. Power-on the system.
2. Insert the USB drive (which contains the AMD-RAID drivers).
3. Insert the SLED Linux operating system CD-ROM or DVD into the system's CD or DVD drive.
4. Create a bootable array, see Section 3.
5. At the SUSE Linux Enterprise Desktop (SLED) window, scroll down to Installation.
   - At Boot Options
     i. For SLED x32 installs, type: **`brokenmodules=ahci oem-modules=1 irqpoll`**
     ii. For SLED x64 installs, type: **`brokenmodules=ahci oem-modules=1`**

   NOTE: Type in the command line within 3 to 5 seconds of the window appearing.
   NOTE: It might be necessary to press **F3**, to change the Video Mode to VESA, to lower the screen resolution.
6. At the Language window:
   - Check the **I Agree to the License Terms** box.
   - Make sure that the Language and Keyboard Layout categories are at **English (US)**. (As desired, choose a different language.)
   - Click **Next**.
7. At the Media Check window, make sure that the CD or DVD Drive setting is correct. Click **Next**.
8. At the Installation Mode window, make sure that **New Installation** (default) is selected. Click **Next**.
9. At the Clock and Time Zone window:
   - Select the desired **Region** and **Time Zone**.
   - Un-check the **Hardware Clock Set to UTC** check-box (if local time is desired).
   - Click **Next**.
10. At the Server Base Scenario window, make sure that **Physical Machine** (default) is selected. (As desired, choose other settings at the window.). Click **Next**.
11. At the Installation Settings window:
    - Click the **Overview** tab.
    - Click the **Software** category.
    - At the Development category, check the **C/C++ Compiler and Tools** check-box.
    - Click the **Details...** button.

- At the Filter: drop-down menu, choose **Search**.
- At Search, type libstdC++. Click **Search**.
- At the check-boxes that appear on the right-hand section of the window, make sure the check-boxes that correspond to the 32-bit standard C++ shared libraries are checked. Click **Accept**.
- At the YaST2 agfa-fonts window, Click **Accept**.
- At the Changed Packages window, Click **Continue**.

12. At the Installation Settings window:
    - Click the **Overview** tab.
    - Click the **Partitioning** category.
    - At the Preparing Hard Disk: Step 1 window:
    - Select the AMD-RAID Array.
    - Click **Next**.
    - At the Preparing Hard Disk: Step 2 window:
    - Review the text.
    - Click **Next**.
13. At the Installation Settings window:
    - Click the **Expert** tab.
    - Click the **Booting** category.
    - Click the **Boot Loader Installation** tab.
    - Change the setting from **Boot from Boot Partition** to **Boot from Master Boot Record.**
    - Click **OK**.
    - At the main menu of the Installation Settings window, verify that the settings are correct.
    - If the settings are OK, Click **Install**.
14. At the YaST2 Confirm Installation window:
    - Review the text.
    - Click **Install**.
15. Wait while the Perform Installation process runs, reboot system when prompted.
16. Removed the SLED installation media and USB flash drive.
17. At the Password for the System Administrator “root”:
    - Type the applicable root password.
    - Re-type the root password.
    - Click **Next**.
18. Enter a Hostname, enter a Domain Name, Click **Next**.
19. At the Network Config (configure all that apply)
    - Setup General Network Settings
    - Setup Firewall
    - Setup Network Interface(s)
    - Setup ISDN Adapter
    - Setup Modems
    - Setup VNC Remote Administration
    - Setup Proxy
    - Click **Next**.
    - At the Test Internet Connection, select option, Click **Next**.
20. At Installation Overview, setup Ca Management, Click **Next**.
21. Setup User Authentication Method, Click **Next**.
22. Setup New Local User, Click **Next**.
23. Review Release Notes, Click **Next**.
24. At the Hardware Configuration. (configure all that apply)
    - Setup Graphic Card

- Setup Printer
- Setup Sound
- Click **Next**.

25. At the Installation Complete, select / unselect Clone This System, Click **Finish**.
26. Proceed to the Management Suite installation procedure. See Linux: Install the AMD RAIDXpert2 Management Suite.

5.2.2 Install the AMD-RAID BIOS drivers during a Ubuntu 12.x Desktop Linux Installation

NOTE: Prior to starting this procedure, obtain the AMD-RAID drivers from your system supplier or motherboard vendor. Copy the AMD-RAID drivers to the dd directory on a USB flash drive. See Copy AMD-RAID drivers: Linux.

NOTE: The Ubuntu driver CD-ROM .iso image contains all Linux variations for a particular release.

NOTE: Not all of the windows indicated in this procedure will appear during the installation.

1. Power-on the system.
2. Insert the Ubuntu Desktop Linux operating system CD-ROM or DVD into the system's CD or DVD drive.
3. Create a bootable array, see Section 3.
4. As soon as Ubuntu Desktop Linux kernel starts loading, **Press F6.**
    - This will bring you into the Advanced Options.
5. Select the desired Language
    - Press **Enter**.
6. Press **F6 – Other Options**
7. Press **ESC**
8. Press the down array to **Install Ubuntu**
9. At the end of the Boot Options string add the following:
    - Type – **`break=mount`**
    - Press **Enter**.
10. When the BusyBox shell appears do the following:
    - Install the USB flash drive.
    - Type – **`mount -t vfat /dev/sdc1 /tmp`**
      Note: /dev/sdc1 may need to be changed to /dev/sdd1 or /dev/sde1…depending on the number of devices.
    - Type – **`cp -ap /tmp/dd /`**
    - Type – **`/dd/pre_install`**
    - Type – **`umount /tmp`**
    - Type – **exit**
11. Wait patiently for the Welcome screen to appear.
12. Select the desired Language, Click **Continue**.
13. Accept the defaults, Click **Continue**.
14. Select **Erase Disk and install Ubuntu**, Click **Continue**.
15. From the Select Drive drop down menu, select the AMD-RAID Array, Click **Install Now.**
16. Select the desired Time Zone, Click **Continue**.
17. Select the desired Keyboard layout, Click **Continue**.
18. Enter valid entries for the following:
    - Your name
    - Computer name
    - User name
    - Password
    - Confirm Password
    - Click **Continue**

19. When the **"Installation Complete"** window appears, do the following:
    - Press **CTRL+ALT+F1**
    - Enter – **`sudo mount -t vfat /dev/sdc1 /mnt`**
    - Enter – **`sudo cp -ap /mnt/dd /`**
    - Enter – **`sudo /dd/post_install`**
20. Wait for the **Setup is Complete**, press **CTRL+ALT+F7**
    - Click **Restart Now**, to finish the installation.
21. The installation will prompt the user to remove the installation media, remove the CD/DVD and USB flash drive from the system.
22. When installation media has been removed, Press **Enter**
23. Proceed to the Management Suite installation procedure. See Linux: Install the AMD RAIDXpert2 Management Suite.

5.3 Linux: Install AMD-RAID UEFI drivers during a Linux OS Installation

NOTE: The Linux operating system modules must include the gcc+ compiler and the pthreads library, so that the rcadm program can be installed properly.
There are separate procedures in this section for:
• SLED Linux 11.2 x64 – see Install the AMD-RAID drivers during a SLED 11.2 Linux Installation.
• Ubuntu Linux 12.10 x64 – see install the AMD-RAID drivers during an Ubuntu 12.x Desktop Linux Installation.

5.3.1 Install the AMD-RAID UEFI drivers during a SLED 11.2 x64 Linux Installation

NOTE: Prior to starting this procedure, obtain the AMD-RAID drivers from your system supplier or motherboard vendor. Copy the AMD-RAID drivers to a USB flash drive. See Copy AMD-RAID drivers: Linux.
NOTE: The SLED driver CD-ROM .iso image contains all Linux variations (smp, bigsmp, etc.) for a particular release. Therefore, only one .iso file exists.
NOTE: Not all of the windows indicated in this procedure will appear during the installation.

1. Power-on the system.
2. Insert the USB drive (which contains the AMD-RAID drivers).
3. Insert the SLED Linux operating system CD-ROM or DVD into the system's CD or DVD drive.
4. Create a bootable array, see Section 3.
5. Boot to the SLED installation DVD
6. When ELILO boot appears, press **Tab**.
    - Enter: **`linux brokenmodules=ahci oem-modules=1`**

    NOTE: wait until the Welcome Screen appears.
7. At the Welcome Screen:
    - Check the **I Agree to the License Terms** box.
    - Click **Next**.
8. At the Media Check window, make sure that the CD or DVD Drive setting is correct. Click **Next**.
9. At the Installation Mode window, make sure that **New Installation** (default) is selected. Click **Next**.
10. At the Clock and Time Zone window:
    - Select the desired **Region** and **Time Zone**.
    - Un-check the **Hardware Clock Set to UTC** check-box (if local time is desired).
    - Click **Next**.
11. At the Server Base Scenario window, make sure that **Physical Machine** (default) is selected. (As desired, choose other settings at the window.). Click **Next**.
12. At the Installation Settings window:
    - Click the **Overview** tab.
    - Click the **Software** category.
    - At the Development category, check the **C/C++ Compiler and Tools** check-box.
    - Click the **Details...** button.

- At the Filter: drop-down menu, choose **Search**.
- At Search, type libstdC++. Click **Search**.
- At the check-boxes that appear on the right-hand section of the window, make sure the check-boxes that correspond to the 32-bit standard C++ shared libraries are checked. Click **Accept**.
- At the YaST2 agfa-fonts window, Click **Accept**.
- At the Changed Packages window, Click **Continue**.

13. At the Installation Settings window:
    - Click the **Overview** tab.
    - Click the **Partitioning** category.
    - At the Preparing Hard Disk: Step 1 window:
    - Select the AMD-RAID Array.
    - Click **Next**.
    - At the Preparing Hard Disk: Step 2 window:
    - Review the text.
    - Click **Next**.
14. Click **Install**
15. At the YaST2 Confirm Installation window:
    - Review the text.
    - Click **Install**.
16. Wait while the Perform Installation process runs, reboot system when prompted.
17. Removed the SLED installation media and USB flash drive.
18. At the Password for the System Administrator “root”:
    - Type the applicable root password.
    - Re-type the root password.
    - Click **Next**.
19. Enter a Hostname, enter a Domain Name, Click **Next**.
20. At the Network Config (configure all that apply)
    - Setup General Network Settings
    - Setup Firewall
    - Setup Network Interface(s)
    - Setup ISDN Adapter
    - Setup Modems
    - Setup VNC Remote Administration
    - Setup Proxy
    - Click **Next**.
    - At the Test Internet Connection, select option, Click **Next**.
21. At Installation Overview, setup Ca Management, Click **Next**.
22. Setup User Authentication Method, Click **Next**.
23. Setup New Local User, Click **Next**.
24. Review Release Notes, Click **Next**.
25. At the Hardware Configuration. (configure all that apply)
    - Setup Graphic Card
    - Setup Printer
    - Setup Sound
    - Click **Next**.
26. At the Installation Complete, select / unselect Clone This System, Click **Finish**.
27. Proceed to the Management Suite installation procedure. See Linux: Install the AMD RAIDXpert2 Management Suite.

5.3.2 Install the AMD-RAID UEFI drivers during a Ubuntu 12.10 x64 Desktop Linux Installation

NOTE: Prior to starting this procedure, obtain the AMD-RAID drivers from your system supplier or motherboard vendor. Copy the AMD-RAID drivers to the dd directory on a USB flash drive. See Copy AMD-RAID drivers: Linux.

NOTE: The Ubuntu driver CD-ROM .iso image contains all Linux variations for a particular release.

NOTE: Not all of the windows indicated in this procedure will appear during the installation.

1. Power-on the system.
2. Insert the Ubuntu Desktop Linux operating system CD-ROM or DVD into the system's CD or DVD drive.
3. Create a bootable array, see Section 3.
4. As soon as Ubuntu Desktop Linux kernel starts loading, **Press F6.**
    - This will bring you into the Advanced Options.
5. Select the desired Language
    - Press **Enter**.
6. Press **F6 – Other Options**
7. Press **ESC**
8. Press the down array to **Install Ubuntu**
9. At the end of the Boot Options string add the following:
    - Type – **`break=mount`**
    - Press **Enter**.
10. When the BusyBox shell appears do the following:
    - Install the USB flash drive.
    - Type – **`mount -t vfat /dev/sdc1 /tmp`**
      Note: /dev/sdc1 may need to be changed to /dev/sdd1 or /dev/sde1…depending on the number of devices.
    - Type – **`cp -ap /tmp/dd /`**
    - Type – **`/dd/pre_install`**
    - Type – **`umount /tmp`**
    - Type – **exit**
11. Wait patiently for the Welcome screen to appear.
12. Select the desired Language, Click **Continue**.
13. Accept the defaults, Click **Continue**.
14. Select **Erase Disk and install Ubuntu**, Click **Continue**.
15. From the Select Drive drop down menu, select the AMD-RAID Array, Click **Install Now.**
16. Select the desired Time Zone, Click **Continue**.
17. Select the desired Keyboard layout, Click **Continue**.
18. Enter valid entries for the following:
    - Your name
    - Computer name
    - User name
    - Password
    - Confirm Password
    - Click **Continue**
19. When the **"Installation Complete"** window appears, do the following:
    - Press **CTRL+ALT+F1**
    - Enter – **`sudo mount -t vfat /dev/sdc1 /mnt`**
    - Enter – **`sudo cp -ap /mnt/dd /`**
    - Enter – **`sudo /dd/post_install`**
20. Wait for the **Setup is Complete**, press **CTRL+ALT+F7**
    - Click **Restart Now**, to finish the installation.

21. The installation will prompt the user to remove the installation media, remove the CD/DVD and USB flash drive from the system.
22. When installation media has been removed, Press **Enter**
23. Proceed to the Management Suite installation procedure. See Linux: Install the AMD RAIDXpert2 Management Suite.

6 Install the AMD-RAIDXpert2 Management Suite and Web GUI

6.1 Windows – AMD-RAIDXpert2 Management Suite

Obtain the AMD RAIDXpert2 Management Suite executable file (Setup.exe) from your system supplier or motherboard vendor. Download the Setup.exe to the system's desktop.

6.1.1 Windows – AMD RAIDXpert2 Web GUI Installation

1. Install AMD RAIDXpert2 (setup.exe) by typing:
    - **Setup.exe –i silent –l <language_code>**

Language Code	Language
DE	German
EN	English
ES	Spanish
FR	French
IT	Italian
JA	Japanese
KO	Korean
NL	Dutch
PT	Portuguese
RU	Russian
SV	Swedish
ZH_CN	Chinese (Simplified)
ZH_TW	Chinese (Traditional)

2. Install the Microsoft Visual C++ 2010 Redistributable Package
    - For x32 bit Windows Installations
        i. Install **vcredist_x86.exe**.
    - For x64 bit Windows Installations
        ii. Install **vcredist_x86.exe**
        iii. Install **vcredist_x64.exe**
3. Install xampp
    - **xampp-win32-1.8.0-VC9_amd3.exe –i silent**
4. Turn off Windows Firewall (or unblock during step 2).
5. In a DOS prompt type "ipconfig /all" to obtain system IP ADDRESS.
6. To start the WebGUI
    - Click on the Desktop RAIDXpert2 Icon
    - Launch a remote Web Browser and enter the following address: **http:\\IpAddress:25902\RAIDXpert2\login.php**

https:\\IpAddress\RAIDXpert2\ login.php

- Launch a local Web Browser and enter the following address:
  http:\\localhost:25902\RAIDXpert2\ login.php
  https:\\localhost\RAIDXpert2\ login.php

7. Default credentials are:
   - Username – **admin**
   - Password – **admin**
8. Change the credentials:
   - Create new username
   - Create new password
9. Re-log into the system with the new credentials.

6.2 Linux – AMD RAIDXpert2 Management Suite

Obtain the AMD RAIDXpert2 Management Suite executable file (Setup.sh) from your system supplier or motherboard vendor. Download the Setup.sh file to the system's desktop.

Element	Action
Ubuntu x32 only	Enter the following before executing setup.sh: **sudo ln –s /lib/i386-linux-gnu/libc.so.6 /lib/libc.so.6** and **sudo apt-get install libstdc++5**
Ubuntu x64 only	Enter the following before executing setup.sh: **sudo ln –s /lib/x86_64-linux-gnu/libc.so.6 /lib/libc.so.6** and **sudo apt-get install ia32-libs**
Setup.sh	a. Verify that the Setup.sh file is executable by right-clicking on the Setup.sh icon that is on the desktop. b. From the pop-up menu, select the **Properties** category. c. Click the **Permissions** tab.
Permissions tab	a. Make sure that the **Execute** or **Executable** box(es) is/are check-marked. b. Click **Close**.
Setup.sh icon	Perform one of the following procedures, depending on the Linux software: a. Double-click the Setup.sh icon that is on the desktop. b. At Do you want to run 'Setup.sh' or display its contents?, click **Run**. c. Wait while Linux runs the Management Suite installer. **NOTE**: If the message, Do you want to run 'Setup.sh' or display its contents? (or a similar message) appears, click **Run** (or similar). d. Ubuntu enter: **sudo ./setup.sh**
Language window	From the drop down menu, select the desired language Click OK
Introduction window	Click **Next**.
License Agreement window	a. Select **I accept the terms of the License Agreement**. b. Click **Next**.
What would you like to install? Window	Click **Next**.
Choose Install Folder window	a. Accept the default settings. b. Click **Next.**

Choose Shortcuts window	Click **Next**.
Pre-Installation Summary window	a. Review the selections. b. If they are OK, click **Install**. **NOTE**: The Installing the AMD RAIDXpert2(tm) Management Suite window appears, showing the progress of the installation.
Install Complete window	Click **Done.**

6.2.1 SLED Linux – AMD RAIDXpert2 Web GUI Installation

1. Copy xampp-linux-1.8.1.tar.gz to the system under tests Desktop.
2. Open a terminal / console window and cd to /root/Desktop. (or similar)
3. Enter into Super User mode: **su**
   - Enter: **`tar xvfz xampp-linux-1.8.1.tar.gz -C /opt`**
4. **`cd /opt/raidxpert2/htdocs`**
   - enter: **`cp -rv raidxpert2 /opt/lampp/htdocs`**
5. Starting lamp -
   - Enter: **`/opt/lampp/lampp startapach`**
6. After reboot, Apache doesn't start back up on its own, so after every reboot,
   - Enter: **`./usr/lampp/lampp startapache`**
7. Click on the Desktop RAIDXpert2 Icon
8. Default credentials are:
   - Username – **admin**
   - Password – **admin**
9. Change the credentials:
   - Create new username
   - Create new password

   Relog into the system with the new credentials.

6.2.2 Ubuntu Linux – AMD RAIDXpert2 Web GUI Installation

1. Copy xampp-linux-1.8.1.tar.gz to the system under tests Desktop.
2. Open a terminal / console window and cd to /root/Desktop. (or similar)
   - Enter: **`sudo tar xvfz xampp-linux-1.8.1.tar.gz -C /opt`**
3. Enter: **`cd /opt/raidxpert2/htdocs`**
   `sudo cp -rv raidxpert2 /opt/lampp/htdocs`
4. Starting lampp
   - Enter: **`sudo /opt/lampp/lampp startapache`**
5. To get Apache to start on reboot:
   To find your default runlevel (which typically should be 5) enter: **`runlevel,`** the return should look like this: **`N 2`**

   Enter: **`cd /etc/rc2.d`**
   `sudo ln -s /opt/lampp/lampp S99lampp`
   `sudo ln -s /opt/lampp/lampp K01lampp`

6. Click on the Desktop RAIDXpert2 Icon
7. Default credentials are:
   - Username – **admin**
   - Password – **admin**
8. Change the credentials:

- Create new username
- Create new password

Relog into the system with the new credentials.