

How to Load and Install the HIPAAT Audit Repository version 1.6

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The HIPAAT Universal Audit Repository (UAR) is an implementation of the Integrating the Healthcare Enterprise (IHE) Audit Trail and Node Authentication Profile (ATNA) (2005-08-11). Refer to http://www.ihe.net/Technical_Framework/index.cfm for details.

The UAR is a self-contained server environment, including the Linux/Knoppix operating system. To load simply insert the HIPAAT CD into the CDROM drive and reboot the computer. Make sure the network is plugged in before booting.

Note that you may need to configure the computer bios to get the computer to boot from CD prior to booting from the internal hard drive – consult your computer manual or IT support department if you do not know how to configure this.

System Requirements

CPU: Intel/AMD/VIA x86 533 Mhz or higher
RAM: at least 256 MB RAM spare
Hard Disk: none if running from RAM, 10 MB or greater if installed
Network Card: 10/100 Base T – most cards supported
Display: most displays supported – 1024x768 resolution
Keyboard/Mouse: PS2 or USB mouse

Entering the Customer ID

Each UAR is preconfigured for a specific customer configuration. In order to bring up the appropriate configuration you must enter the correct customer identifier when the Customer ID dialog appears.

For the Non-commercial version(NCV) of the product enter the number **HI000000000000** and click on OK.

Note that some of the components on the CD are open source and some are not. The NCV may be used freely for internal research, evaluation and testing without obtaining a customer ID from HIPAAT Inc.

Setting the Network Address

By default the system is configured for DHCP and a network address will be obtained automatically. This address will be displayed in the HIPAAT Status screen and is important if you want to access the server remotely.

To change the network configuration to use a static IP address, click on the 'File->Network Configuration' menu entry and follow the prompts.

Special boot conditions

There may be requirement for special boot conditions if the defaults do not apply. To invoke this hold down the 'shift' key when the CD boot process commences. You will receive a boot: prompt and have a few seconds to enter a custom configuration as follows;

a) To change the keyboard language type;
hipaat lang= <lang>

where <lang> is: us, cs, de, fr, nl, it, sk ...

b) to disable hardware checking type;

hipaat no<opt>

where <opt> is one of scsi, pcmcia, usb, apm, agp, swap, apic, mce, ddc

c) to set the screen resolution type;

hipaat screen=<x>x<y>

where <x> and <y> correspond to the desired screen resolution (e.g. 640x480)

type <retn> to start the boot process.

Running the application

You can access the web application on the server by one of 2 methods;

1. Load a web browser on another computer and direct it to the IP address of the UAR
2. Using the mouse click on the 'File->Internet browser...' menu item to bring up the local browser.

The first screen you will see will display the following;

Thank you for choosing to demonstrate our software. We are confident that you will see its ability to simplify your ATNA compliance.

Please note:

- The CD includes its own operating system and runs independently from your computer's installed operating system.
- The demo runs from your CD drive using the computer's RAM. As a result, the software runs more slowly than when installed on your hard drive. Running this demo will not alter this computer's hard drive in any way.
- Until the application is installed, the information you enter will not be saved onto your hard drive. **ALL INFORMATION ENTERED WILL BE DELETED WHEN YOU TURN OFF YOUR COMPUTER.**
- To purchase a commercial license for this application, call 905.405.6299 or send an e-mail to sales@HIPAAT.com
To view the HIPAAT web site, [click here](#)

How to Run the Application

- The non-commercial version of this application does not require a login account.
- If required, your demo login name is "administrator" and your login PIN is "88888888".

Sending ATNA messages to the UAR

There are a number of ways you can send ATNA-compatible audit messages to the UAR.

- Using BSD Syslog: This is a simple udp protocol specified in the ATNA profile. The UAR will listen for such messages on port 4000 at the IP address set up for the server. This protocol is inherently unreliable and some of the messages may get lost or corrupted.
- Using Secure Syslog (rfc3195 Cooked): This is the reliable protocol specified in the ATNA profile. The UAR will listen for such messages on port 1516 at the IP address for the server.

- Using Secure Syslog (rfc3195 Raw): This is a reliable protocol but is not specified in the ATNA profile. The UAR will listen for such messages on port 1514 at the IP address for the server.
- Using http put : This is a reliable protocol but is not specified in the ATNA profile. The UAR will listen for such messages on port 80 at the IP address for the server. You can use the URL `http://<ipaddr>/ihe_xml.php` to obtain a web-based screen that can be used to manually upload ATNA messages to the server. The HIPAAT `httsend.exe` utility will use this protocol to send xml messages to the UAR.

Installing the Application

Installing the application will reformat the hard drive and load all the required server software in a single process.

Initiate installation by clicking on the 'Install' button or select 'File->Install or Upgrade...' from the menu. You will be prompted for the hard drive to be used and also for the administrator (root) password. Once the application is installed, remove the CD and reboot the server.

After installation you will have to re-set the network address.

Backing up and restoring the database

Create backup files of the HIPAAT databases using the 'File->Export HIPAAT database...' menu item. Backups will be created in the `/usr/local/HIPAAT/backups` directory, or if a USB memory stick is installed the system will copy the backup files to the memory stick. Success of this operation may depend on the particular USB memory stick used.

Likewise, the 'File->Import HIPAAT database...' menu item will restore the database files from the `/usr/local/HIPAAT/backups` directory, or the USB memory stick if one is installed.

Note that the system will be temporarily unavailable during backup and restore. Do not remove the memory stick until the operation is complete.

Remote Access via SSH

After installation, you can access the server from a remote computer using the SSH protocol. By default such remote access is disabled. Enable this using the 'File->Enable Remote Access' menu item.

If your remote computer is UNIX-based, this will be available by typing;

```
ssh root@<IP Address>  
(you must use the root password set up during installation)
```

For access from Windows machines you can use the `putty.exe` utility available from a number of sources, including <http://www.putty.nl/>