



**ISO-CD Installation
User Guide
Version 4.0**

Applicability

This document applies to release of Caligare Flow Inspector Software, version 4.0 and ISO-CD Installation.

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Document Reference Information

Document Title: ISO-CD Installation manual
User Guide
Version 4.0

Date: August 2007

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MINIMUM SYSTEM REQUIREMENTS

- Processor: Intel Pentium 3 and higher
- IDE or SCSI disk 20GB (100GB recommended) (*)
- 1GB RAM (2GB recommended)
- CD-ROM Drive
- Network card
- PS/2 keyboard

The following network cards are supported:

100Mbit cards: 3COM 3c590/3c900/3cr990, EtherExpress PRO/100, Intel PRO/100+, PCI NE2000, Realtek RTL-8139, SiS 900/7016, Tulip family, HP 10/100VG, AMD PCNET32/8111, Adaptec DuraLAN, Ansel 3200, Apricot Xen2, VIA Rhine and Broadcom 440x series.

1Gbit cards: Alteon, D-Link, Intel PRO/1000, RealTek 8169, VIA Velocity

The following SCSI technologies are supported:

Adaptec AHA, Adaptec AIC, Symbios, Mega RAID, Intel RAID, IBM ServeRAID and IBM PowerLinux RAID

Note (*): ISO-CD installation doesn't support SATA disk technologies. Version 3.3.0 implemented SCSI disk support.

INSTALLATION

A. **Burn ISO file on to CD** (use slower speed e.g. 20x speed). Please burn file AS IS. Do not open (unzip file). If you are using NERO burning software, go through the following steps:

- I. Open NERO software.
- II. Select NERO Burning ROM.
- III. Press Cancel when window asks for new compilation.
- IV. Then go to option "Recorder" in the menu bar.
- V. Select "Burn image" in "Recorder" section.
- VI. Select where the ISO download file is located.
- VII. And then burn your image to CD.

If you have a problem with burning ISO-CD image (or your copy doesn't work) please request an ISO-CD ready to use. Your ISO-CD request must include

contact information! Please provide us with this information so that we can deliver this CD as soon as possible. Request your ISO-CD at: caligare@caligare.com

- B. Turn on server and go to the computer SETUP utility. In the SETUP menu disable all power management functions and configure your CD drive as primary boot device. Set your hard drive as secondary boot device. Insert installation CD into CD drive, save changes and restart server. The software will now start installation process from CD.
- C. Screen 1: The first screen displays 3 options. For software installation choose/highlight the first one: **Install NETFLOW monitoring software** and press <ENTER>.
- D. Screen 2: You will receive a **warning indicating** that all files on your hard disc will be destroyed or overwritten. Up to this point you can still back out and **save your files to another server**. If you wish to continue installation, press any key, this will continue the installation process.
- E. Screen 3: **Second Warning displayed**, second warning states again that all data during installation will be destroyed on your computer, press <ENTER> and the installation will begin.
- F. The system is **starting installation in non-debug mode** and goes through **10 basic steps** (marked as 1/10 to 10/10); this process can take a few minutes.
- G. Next the system requires your **hostname**. Type in hostname and press <ENTER>. Hostname is a unique identification of server in your network. It is recommended to register this hostname on the DNS server. Contact your network administrator for more information on how to register this hostname.

The next step is to set up the Time Zone - information about which time zone you are located in. Default setting shows Europe/London. Time zone configuration will display recent time zone (in our case default zone setup: Europe/London) and ask if you want to change this time zone. If YES, press Y and applications will offer you various continents, cities or countries that you can choose from. Changes in this setting are saved automatically.

Then type in your **Debian access password**, press <ENTER>, retype password and remember this information for future use and for system login, then press <ENTER>. We recommend using a non-trivial password; length 8 characters at minimum, which consists of characters and numbers mixed.

- H. The system will now prompt you to **remove the installation CD from the drive and reboot the system**.

- I. After rebooting, the software will prompt you to choose a static IP address or DHCP. We strictly recommend using a static IP address. If you choose static IP address the system will prompt you for information about this IP address, network mask, gateway IP address, DNS servers address and domain name. You can obtain this information from your network administrator.

If you do not have or cannot use a static IP address select the option DHCP and the program will try to use the dynamic IP address offered by DHCP server. The system will then continue with the installation.

- J. The next step is to **setup the software**. The **CFI INSTALLATION** will prompt you for license owner and license key. Caligare provides all this information. For your TRIAL VERSION you can request information using the following web page:
<http://www.caligare.com/netflow/trial.php>

If you are already a customer and have purchased our software, all information (including License Owner and License Key) is going to be provided by Caligare and delivered to you.

The system will now install database tables, web interface part and collectors.

!!!! Congratulations, software installation was successful !!!!

Login: *root*<ENTER>

Password: type in your root password as entered in the installation process and press <ENTER>

- K. Now you have to **test your IP address**¹ by typing in the following **command:**
ifconfig eth0

This will give you information about your IP address. Write down your IP address and use it in the following section.

inet addr: x.x.x.x

- L. On a separate computer connected to the network, open your browser (e.g. IE, Mozilla, NetScape etc) and type the following information in your address line:
http://your IP address/netflow and press <ENTER>. If you have a registered hostname you can use the address <http://hostname.domainname/netflow> instead.

¹ If server contains more than only one network interface and the netflow packets are not going to the server, please re-connect data cable to a different network card and restart your computer.

You will now see the product logo and a **request for your username and password**. Use **username *admin*** and **password *nfadmin***. After entering these, press the <Authenticate>. **Please, change your default password as soon as possible to prevent possible unauthorized access.**

!!!! Congratulations, you are now in the web interface environment !!!!
Now you can continue your work with the software.

M. **Log out from Linux** Debian environment, please type **command: *exit***

UPGRADE OR RECOVER PROCEDURE

Insert you burned ISO CD image into your CD-ROM drive. When the first screen appears and asks you to choose between two possible options (Install netflow monitoring software OR upgrade/recover previous netflow monitoring software), choose the second one – **UPGRADE/RECOVER**. The install process will automatically replace your system and install the new software version; all of your flow data will stay intact in the database.