

# DISNAT

## Version 2.0 Release Notes (Linux)

September 2004

0898014-2.0



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## 1.0. Introduction

The DIS Network Analysis Toolkit (DISNAT) allows users on Concurrent iHawk™ multiprocessor systems running RedHawk™ Linux® to monitor and analyze network traffic within a Distributed Interactive Simulation environment. DISNAT includes a number of fully integrated components for the capture, storage, analysis, and replay of network frame data.

DISNAT includes a Data Logger which uses Ethernet promiscuous mode access to capture raw frames and log them to disk. A real-time graphical user interface displays network traffic rates using dynamic histograms.

DISNAT includes an Analysis Tool which can be tailored to include new and existing Protocol Data Unit (PDU) types. Frames containing PDUs are displayed showing the PDU field name and their contents. The Analysis Tool supports various filtrations including the ability to display specific PDU types or PDUs from specific systems.

DISNAT includes a Replay Facility that allows previously captured log files containing network traffic to be replayed over the network for After Action Review (AAR) by other DIS tools such as Plain View Displays (PVD) and Stealth applications.

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## 2.0. Documentation

Table 2-1 lists the DISNAT 2.0 documentation available from Concurrent.

**Table 2-1. DISNAT Version 2.0 Documentation**

Manual Name	Pub. Number
<i>DISNAT Version 2.0 Release Notes (Linux)</i>	0898014-2.0

Copies of the Concurrent documentation can be ordered by contacting the Concurrent Software Support Center. The toll-free number for calls within the continental United States is 1-800-245-6453. For calls outside the continental United States, the number is 1-954-283-1822 or 1-305-931-2408.

Additionally, the above manuals are available:

- in PDF format in the **documentation** directory of the installation CD
- on the Concurrent Computer Corporation web site at [www.ccur.com](http://www.ccur.com)

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## 3.0. Prerequisites

### 3.1. Software

- RedHawk Linux 1.4 *or* Red Hat® Linux 8.0

### 3.2. Hardware

- any iHawk Series 860 system

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## 4.0. System Installation

DISNAT is installed using the standard Linux product installation mechanism, **rpm** (see **rpm (8)**).

The RPM name associated with DISNAT 2.0 is:

```
ccur-disnat
```

and the file associated with this RPM is:

```
ccur-disnat-2.0-1.i386.rpm
```

which can be found in the **RPM** directory on the installation CD.

### NOTE

The user must be root in order to use the **rpm** product installation mechanism on the Linux system.

To install the DISNAT RPM, issue the following commands on your Linux system:

1. Insert the installation CD in the CD-ROM drive
2. Mount the CD-ROM drive (assuming the standard mount entry for the CD-ROM device exists in **/etc/fstab**)

```
mount /mnt/cdrom
```

3. Change the current working directory to the directory containing the DISNAT RPM

```
cd /mnt/cdrom/RPM
```

4. Install the RPM

```
rpm -Uvh ccur-disnat-2.0-1.i386.rpm
```

5. Change the current working directory outside the **/mnt/cdrom** hierarchy

```
cd /
```

6. Unmount the CD-ROM drive (otherwise, you will be unable to remove the installation CD from the CD-ROM drive)

```
umount /mnt/cdrom
```

To uninstall the DISNAT RPM, use the following command:

```
rpm -e ccur-disnat
```



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## 5.0. Overview of DISNAT 2.0

DISNAT 2.0 is the first production release of DISNAT on RedHawk Linux.

### 5.1. Location of Utilities

DISNAT's three major utilities are located in `/usr/bin`:

- `xdiscapture`
- `xdisanalyse`
- `xdisreplay`

### 5.2. Online Help

DISNAT includes extensive on-line help via HTML-based browsing.

Select the **Help** menu from the main window of each utility to launch the relevant HTML document.

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## 6.0. Direct Software Support

Software support is available from a central source. If you need assistance or information about your system, please contact the Concurrent Software Support Center at 1-800-245-6453. Our customers outside the continental United States can contact us directly at 1-954-283-1822 or 1-305-931-2408. The Software Support Center operates Monday through Friday from 8 a.m. to 7 p.m., Eastern Standard time.

Calling the Software Support Center gives you immediate access to a broad range of skilled personnel and guarantees you a prompt response from the person most qualified to assist you. If you have a question requiring on-site assistance or consultation, the Software Support Center staff will arrange for a field analyst to return your call and schedule a visit.



