



## **Xena Demo Instructions**

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## Xena demo instructions

This note explains how do try out a Xena chassis from your PC by a remote connection to the Xena test lab. The test chassis contains two 10G ports, looped to each other through an external cable.

- Before trying the demo, please read the 10-page “Xena System Management Overview” document.
- You must be running an up-to-date Windows XP or Vista system on your local PC.
- On the website click the “Download” button and save the Xena Manager executable to your PC.
- It is ready to run without any installation. Click on the executable to start the Manager.
- You will see an application window divided into a left and a right side, and a menu bar on top.
- In the left side, right-click on the “New testbed” item and select “Add remote chassis to testbed”.
- In the dialog box enter IP = “87.51.204.150” and password = “xena”, and click “OK”.
- You are now connected to a chassis called “XE DEMO”.
- The right side now shows a panel called “CHASSIS PROPERTIES”.
- From the “View” menu select “Expand all modules”, showing you one module with two ports.
- Click on each port, and the right side shows a panel called “PORT PROPERTIES”.

You are now connected to a demo chassis in the Xena test lab. Note that the demo chassis can only be used by one user at a time, so if the connection fails you must try again later. Also note that you will see the chassis in the state that was left by the previous user who tried it out.

You are now free to explore the test system based on the understanding you gained from reading the Overview document. For example:

- If either port is shown as reserved on the port property panel, click the “Relinquish” button.
- From the “Manager” menu select “User name” and enter your initials.
- Now reserve both ports by clicking the “Reserve” button on their port property panel.
- Also click the “Reset” button for each port.
- Select Port 0, and in the right side click the “Streams” tab.
- Click the “Add stream” button, which creates a new “STREAM DEFINITION” panel.
- In the “Rate:” section enter a rate of “50” percent and press <ENTER>.
- Put a mark in the “Enable” check-box in the upper-left corner of the panel.
- In the “TRANSMIT CONTROL” panel above, click the “Start traffic” button.

We now have some traffic running through the external cable connecting the two test ports. Always keep in mind which of the test ports you are viewing in the right side of the Manager window.

- Select the “Statistics” tab. You’ll see a “TRANSMIT STATISTICS” panel.
- The rates may fluctuate slightly, while the byte and packet counts keep increasing.
- Click on the header of the idle “RECEIVE STATISTICS” panel to minimize it.
- Select port 1, and observe corresponding numbers in the “RECEIVE STATISTICS” panel.
- Go back to the stream definition by selecting the “Streams” tab.
- Minimize the unused “TRANSMIT CONTROL” panel for the current (receiving) port.
- Select port 0 again.
- Press the mouse on the header of the “TRANSMIT CONTROL” panel and drag it out of the main window.
- Select the “Statistics” tab. The transmit numbers keep increasing.

- In the dragged-away “TRANSMIT CONTROL” panel for port 0, click the “Stop traffic” button.
- Observer how the statistics numbers stop changing.

Feel free to keep exploring the functionality of the Xena chassis. For example, you can insert test payloads in the transmitted streams to enable more detailed receive statistics, and you can create filters on the received traffic.