

Connecting to the INFO-747 VNC viewer at CISER

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Contents

Contents	1
List of Figures	2
1 Quick reference	3
2 Obtaining Software	4
2.1 Windows	4
2.2 Linux/Unix	4
2.3 Macintosh	4
2.4 Java	4
3 Equipment setup	6
3.1 Video participants	6
3.2 Audio participants	6
4 Connecting to the VNC display	7

List of Figures

1	Standard VNC connection	7
2	Password prompt	7
3	Successful VNC connection	8

1 Quick reference

- VNC (Virtual Network Computing) allows to remotely control and view a desktop.
- Download the application (Unix/Linux, Windows, Macintosh)
- Then connect to *yehaa.ciser.cornell.edu:47* using the VNC client to access Info747 slides for remote classrooms.

2 Obtaining Software

“VNC (Virtual Network Computing) software makes it possible to view and fully-interact with one computer from any other computer or mobile device anywhere on the Internet. VNC software is cross-platform, allowing remote control between different types of computer.” (www.realvnc.com)

For the Info747 distance learning class, we use VNC to distribute high-quality slide images and interactive demonstrations. Class sites can view, but not control the VNC image. VNC viewers typically do not require installation, and a cross-platform Java client exists. VNC sessions will be recorded and made available for offline viewing.

2.1 Windows

- **TightVNC** (download from <http://www.tightvnc.com/download.html>) improves on the compression algorithm, and may allow for scaling of desktops.
- **RealVNC** (download from <http://www.realvnc.com/download.html>) is from the people who originally created it.

2.2 Linux/Unix

- KDE 3.2 or higher comes with an integrated VNC viewer, look for “Remote Desktop Connection” in the KDE menus or type “krdc” at a command prompt.
- The sites proposing Windows clients also provide Unix or Linux clients. Your distribution may already have these installed.

2.3 Macintosh

These are provided for convenience - we have not tested any of these viewers. The Java viewer should also work.

- VNCViewer <http://homepage.mac.com/kedoin/VNC/VNCViewer/>
- VNCDimension <http://www.mdimension.com/>
- Chicken of the VNC <http://www.apple.com/downloads/macosx/>

2.4 Java

- **TightVNC** (download from <http://www.tightvnc.com/download.html>) Read the downloaded instructions on how to start the Java client. Typically, using

```
java VncViewer HOST yeehaa.ciser.cornell.edu PORT 5947
```

should work when launched from the “classes/” directory.

3 Equipment setup

3.1 Video participants

The ideal configuration for the Info747 DL class is using two projectors. One projector should be connected to the videoconference equipment and project the image of the speaker.

Please mute your microphone at all times except when asking a question.

The second projector should be connected to a PC or laptop, and project the slides from the VNC screen (see Section 4 on the following page for setup). The slides and VNC screen are formatted for a 1024x768 screen. No sounds are transmitted by the VNC screen.

3.2 Audio participants

Those classrooms or individual participants who cannot connect participate in the video conference can dial into the video gateway using a phone. A phone number will be communicated to those users.

Please mute your microphone at all times except when asking a question.

Classrooms should use a speakerphone for the sound from the videoconference. A projector should be connected to a PC or laptop, and project the slides from the VNC screen (see Section 4 on the next page for setup). The slides and VNC screen are formatted for a 1024x768 screen.

Individuals should use a phone headset or a speakerphone.

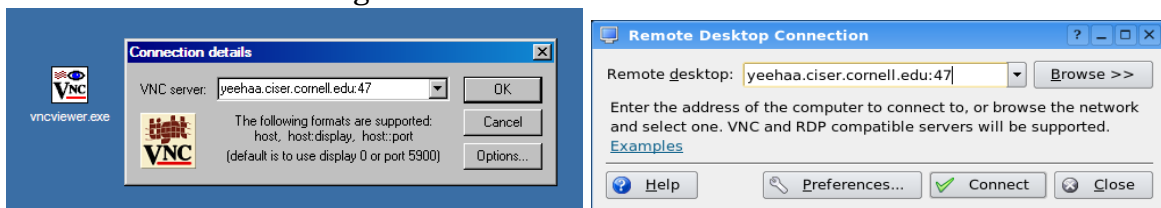
4 Connecting to the VNC display

We now need to initiate the connection to the VNC remote desktop. Normally, you connect directly to the server at a port defined by the display number. For Info747, that display is “47”. If you are behind a firewall that blocks outgoing traffic on ports 5900 or higher, contact the DL class organizers for a workaround.

We will assume that you are using the TightVNC viewer (Windows) or KDE Remote Desktop Connection (Linux)

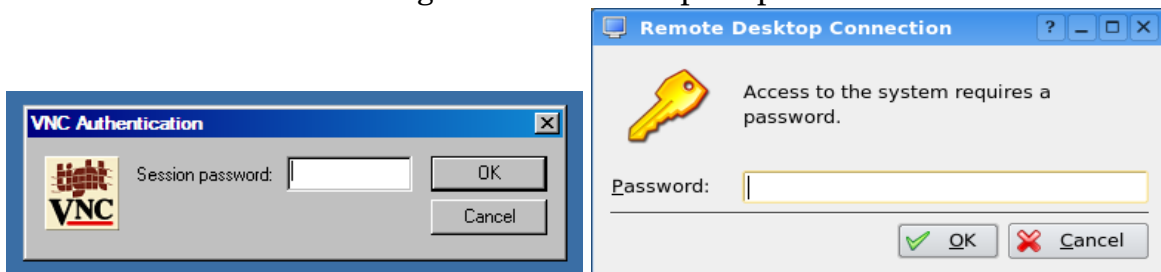
- Launch VNC viewer
- In the absence of a firewall, the connection is straightforward: enter the name of the server, a colon, and the display number. (Figure 1). More options are accessible by clicking on the “Options” (Windows) or “Preferences >>” (Linux) button, but you do not typically need this.

Figure 1: Standard VNC connection



- You will be prompted for a password. The view-only password for the Info747 DL class is “info747” (Figure 2).

Figure 2: Password prompt



- You are connected and should see a picture similar to Figure 3 on the following page.

Figure 3: Successful VNC connection

