



Network Testing and Emulation Solutions

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LANforge-ICEcap Installation

The LANforge-ICEcap application is used to probe networks and create an XML file that can be replayed by LANforge-ICE. The ICEcap feature includes a modified version of the hping2 tool and a TCL/TK GUI application. The GUI is not required but it will make using the hping2 tool easier, especially for users not accustomed to command line tools like hping2.

1. Choosing a Machine

The ICEcap toolset requires very little computing resources. The suggested *minimum* client platform specification is:

- **Pentium 300 Mhz**
- **128 MB RAM**
- **80MB Free Disk Space**
- **Monitor/Video Card capable of 1024 x 960 resolution or higher.**

2. Installing on Linux

The LANforge-ICEcap tools should work on any modern Linux distribution. ICEcap requires root privileges to run so it must be run by the root user.

1. Log in as user root:

```
1. su - root
```

2. Choose a directory in which to install the LANforge-ICEcap. We suggest

```
/usr/local/bin
```

3. Install LANforge-ICEcap.

1. Download and un-zip the LANforge-ICECap_Linux.tar.gz. To unzip, use a command similar to:

```
tar -xvzf LANforge-ICECap_Linux.tar.gz
```

2. Optional: Use the SUID option to make hping2 and icecap2 available to non-root users:

```
chmod a+s hping2  
chmod a+s icecap
```

- 4. Start the LANforge-ICEcap tool** with the command below. You must be the root user or have done the SUID step above.

```
1. ./icecap
```

The LANforge-ICEcap GUI should pop up shortly after this if everything worked correctly! You can also use the hping2 tool directly from the command line.

3. Installing on Windows

Run LANforge-ICEcap installer and follow the steps presented to you.

4. Trouble-shooting guide

When I run 'icecap' I get an error: command not found

Make sure your \$PATH includes the directory where you installed the hping2 and icecap tools. Also make sure that the icecap and hping2 tools are set to executable with the chmod tool.

Email Candela Technologies at: support@candelatech.com if you have any questions.

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