

## Connecting with PuTTY

**Goal**: Using PuTTY on Windows to connect to LANforge Linux servers. Lots of tasks, like scripting, can be done over SSH from your Windows desktop. Here are a few steps to help you customize your PuTTY terminal to work faster.



- 1. Configuring a PuTTY Session
  - A. When you double click on the PuTTY icon and it launches, you can start customizing your session preferences. We'll name this session *jedtest*

RuTTY Configuration	? X
Category:	
Category: Session 	Basic options for your PuTTY session         Specify the destination you want to connect to         Host Name (or IP address)       Port         jedtest       22         Connection type:       Raw         C Raw       Telnet C Rlogin I SSH         Saved Sessions       Jedtest         jedtest       Load         Default Settings       Load         jed-ming       Save         Delete       Close window on exit:         C Always       C Never       Only on clean exit
About Help	Open Cancel

B. Let's default the window to something large, like 120 columns and 56 rows.



C. The *Fixed* font can be replaced with the *Consolas* font.



D. Let's turn on *TCP Keep-alive* and set *IPv4* as the default networking protocol.



E. We login to LANforge resources with user lanforge

RuTTY Configuration		<u>? ×</u>
Category:		
<ul> <li>Session</li> <li>Logging</li> <li>Terminal</li> <li>Keyboard</li> <li>Bell</li> <li>Features</li> <li>Window</li> <li>Appearance</li> <li>Behaviour</li> <li>Translation</li> <li>Selection</li> <li>Connection</li> <li>Data</li> <li>Proxy</li> <li>Telnet</li> <li>Rlogin</li> <li>SSH</li> <li>Serial</li> </ul>	Data to send Login details Auto-login usemame When usemame is not speci (	to the server lanforge fied: m usemame (ireynolds)  xterm 38400,38400 Add Remove
About Help		Open Cancel

F. Generating a SSH keypair is not difficult. Let's enter the path to our public key file.



G. We have done our PuTTY config. Now back to the top Session screen, and click Save



- 2. Configure Pagent with your public key
  - A. Create your own public ssh key. For more information see WinScp Net
  - B. Start Pagent. Configure it to load on startup.

C. In the System Tray you will see the Pagent icon.



D. Right-click the Pagent icon and click Add Key to select your key



E. You will need to provide your pass-phrase to load your key

Pageant Key List	?×
Pageant: Enter Passnhrase	
Enter passphrase for key rsa-key-20131104 • OK Cancel	
Add Key Remove Key Clo	se

F. We see a loaded key



G. Here is our key, we will view the .pub file to copy out the public key.



- H. In a putty window you will log into your LANforge server and edit /home/lanforge/.ssh/authorized\_keys
- I. Copy the text and place the "Comment" section at the end when you paste it into your ssh



J. Here is the public key string, with newlines and spaces removed. The Comment text goes at the end.



K. Check the permissions of the authorized\_keys file. You might need to use the command chmod 600 authorized keys

to correct the permissions.



L. The next time we load the *jedtest* PuTTY session we should not be prompted for our password.

Candela Technologies, Inc., 2417 Main Street, Suite 201, Ferndale, WA 98248, USA www.candelatech.com | sales@candelatech.com | +1.360.380.1618