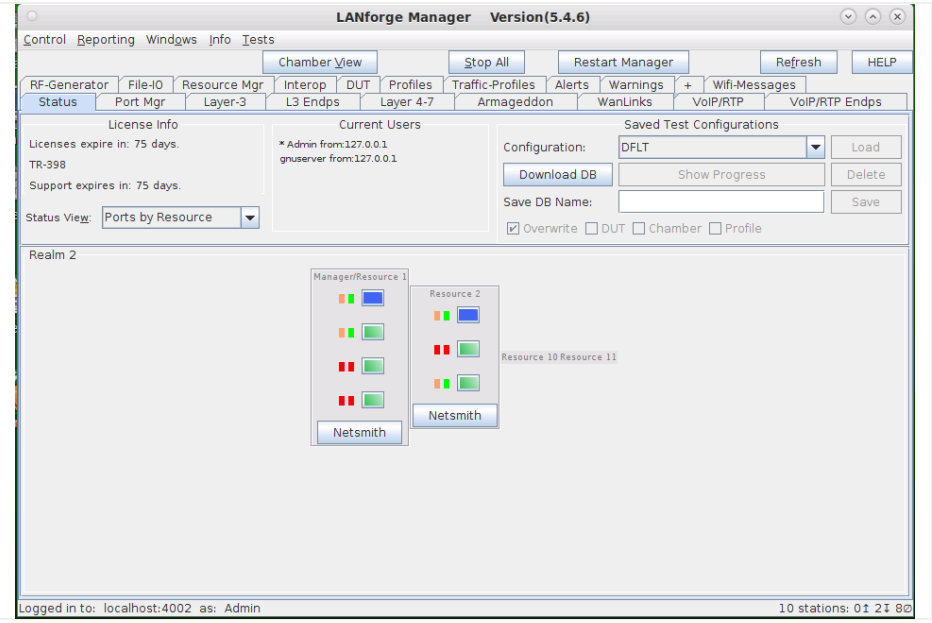
sales@candelatech.com
support@candelatech.com
+1 (360) 380-1618 [PST, GMT -8]

Clustering multiple LANforge systems together

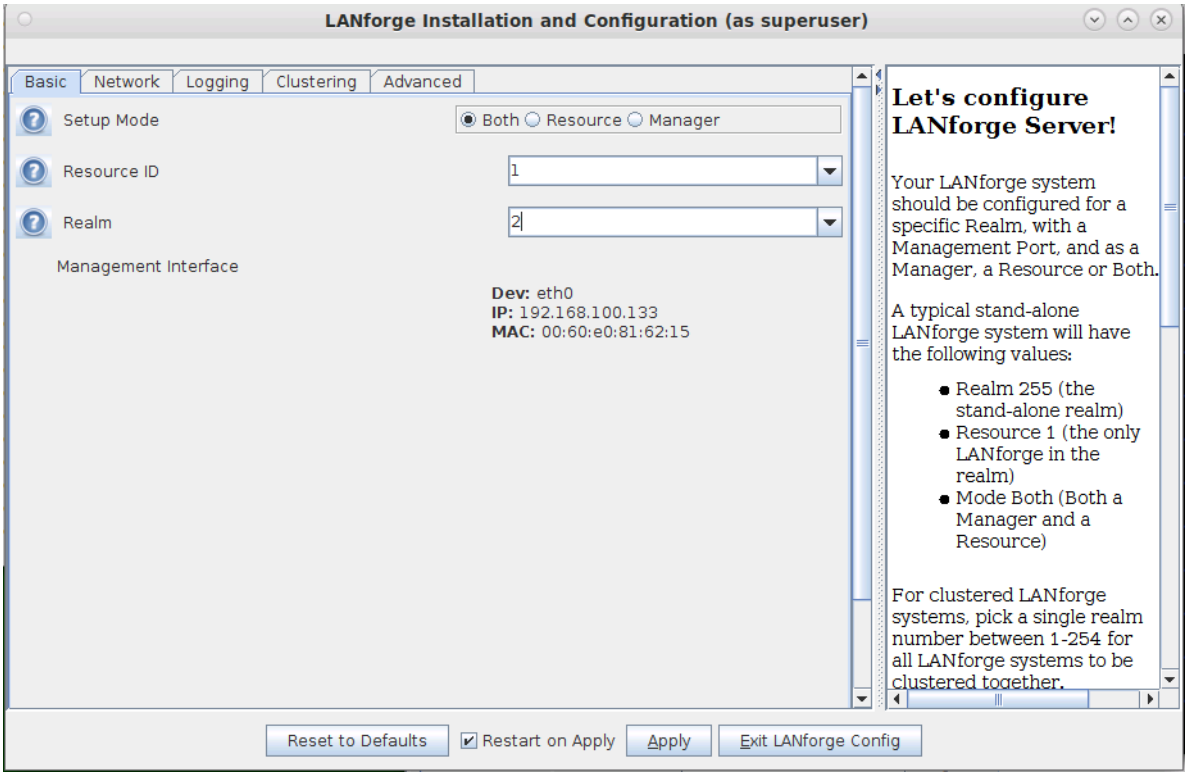
Goal: Cluster multiple LANforge systems together to use while Wifi network testing. Clustering enables multiple LANforges to act as one large LANforge.

Multiple LANforge machines can be used as a group with one **manager** LANforge.



1. An unclustered LANforge is both 'Manager' and 'Resource'. In a cluster (with multiple LANforges), there is one LANforge that is a 'Manager' and 'Resource' and there are other LANforges that are only 'Resources'. The LANforges that are only a 'Resource' use the first LANforge as their 'Manager'. There are two ways to cluster. One way is via the command line, second is via the User Interface. This cookbook demonstrates how to cluster via the User Interface. First, configure the first LANforge (which is typically both a 'Resource' and 'Manager')
   A. Open a VNC/RDP window to the LANforge wished to be used as the 'Manager' and 'Resource' of the final cluster. Click on the *Configure LANforge* icon located on the VNC session desktop.

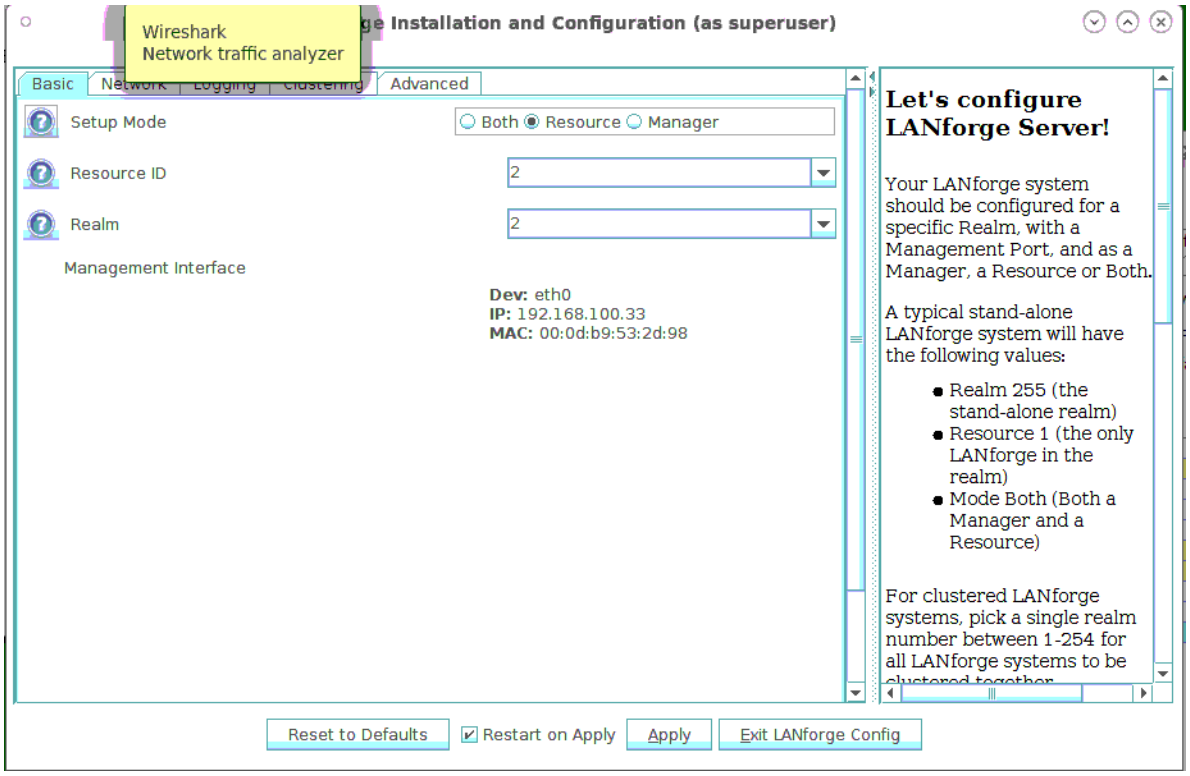
B. Once the 'LANforge Installation and Configuration (as superuser)' window opens, click on the *Basic* tab. Set the *Setup Mode* to *Both*, *Resource ID* to *1*, and pick a realm 1-254 (example below is realm *2*). Realm 255 means the LANforge is un-clustered.



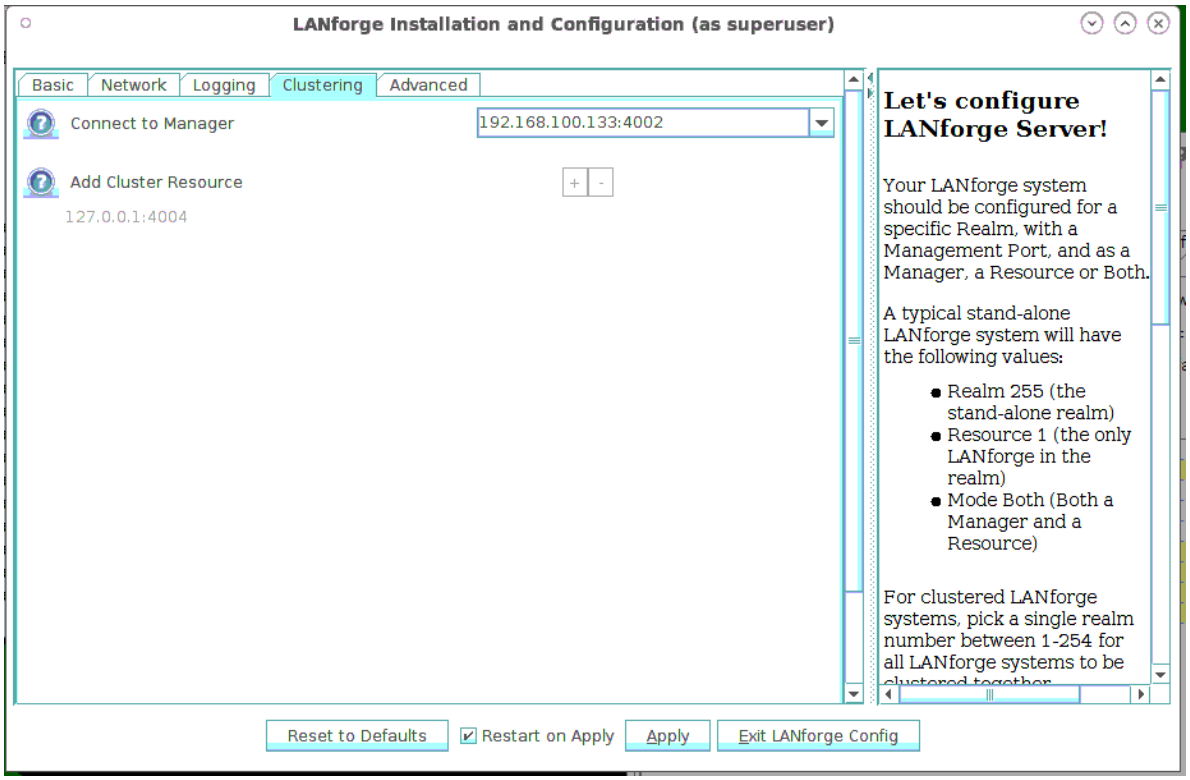
C. Click on *Apply* and *Exit LANforge Config* to save settings.

2. Next, configure the following LANforges to cluster to the first LANforge. These LANforges will be only Resources.
   A. Open a VNC/RDP window to the LANforge wished to be used as the 'Manager' and 'Resource' of the final cluster. Click on the *Configure LANforge* icon located on the VNC session desktop.

B. Once the 'LANforge Installation and Configuration (as superuser)' window opens, click on the *Basic* tab. Set the *Setup Mode* to *Resource*, *Resource ID* to *2* or what the next unused Resource number is, and pick the same realm as the manager LANforge (in our example, realm 2).



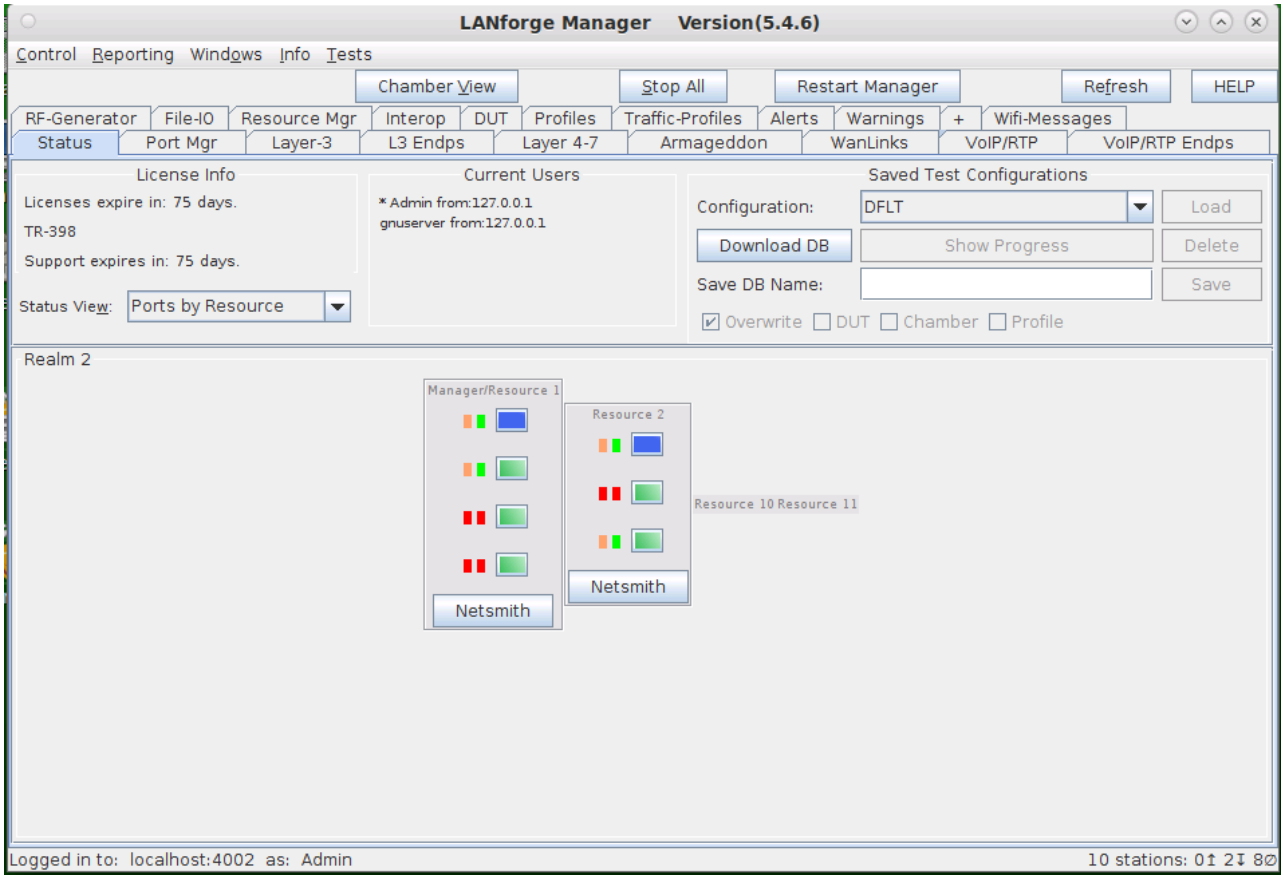
C. Click on the *Clustering* tab and in the *Connect to Manager* input box, put in the Manager's IP address followed by a ':4002'



D. Click on *Apply* and *Exit LANforge Config* to save settings.

3. Restart LANforge Manager on all LANforges of cluster. The 'Status' tab of 'the Manager' of the clustered systems should show multiple resources now, as shown in the example below. If systems are not clustering and LANforge version build dates are too far apart between systems in cluster, LANforges may need to be upgraded so build version dates are closer to each other. Please contact *support@candelatech.com* for

assistance.


LANforge Manager Version(5.4.6)
Control Reporting Windows Info Tests
Chamber View
Stop All
Restart Manager
Refresh
HELP
RF-Generator File-IO Resource Mgr Interop DUT Profiles Traffic-Profiles Alerts Warnings + Wifi-Messages
Status Port Mgr Layer-3 L3 Endps Layer 4-7 Armageddon WanLinks VoIP/RTP VoIP/RTP Endps
License Info
Licenses expire in: 75 days.
TR-398
Support expires in: 75 days.
Status View: Ports by Resource
Current Users
* Admin from:127.0.0.1
gnuserver from:127.0.0.1
Saved Test Configurations
Configuration: DFLT
Load
Download DB
Show Progress
Delete
Save DB Name:
Save
Overwrite DUT Chamber Profile
Realm 2
Manager/Resource 1
Netsmith
Resource 2
Netsmith
Resource 10 Resource 11
Logged in to: localhost:4002 as: Admin
10 stations: 0↕ 2↧ 8∅