

LANforge Server Installation for Windows Machine

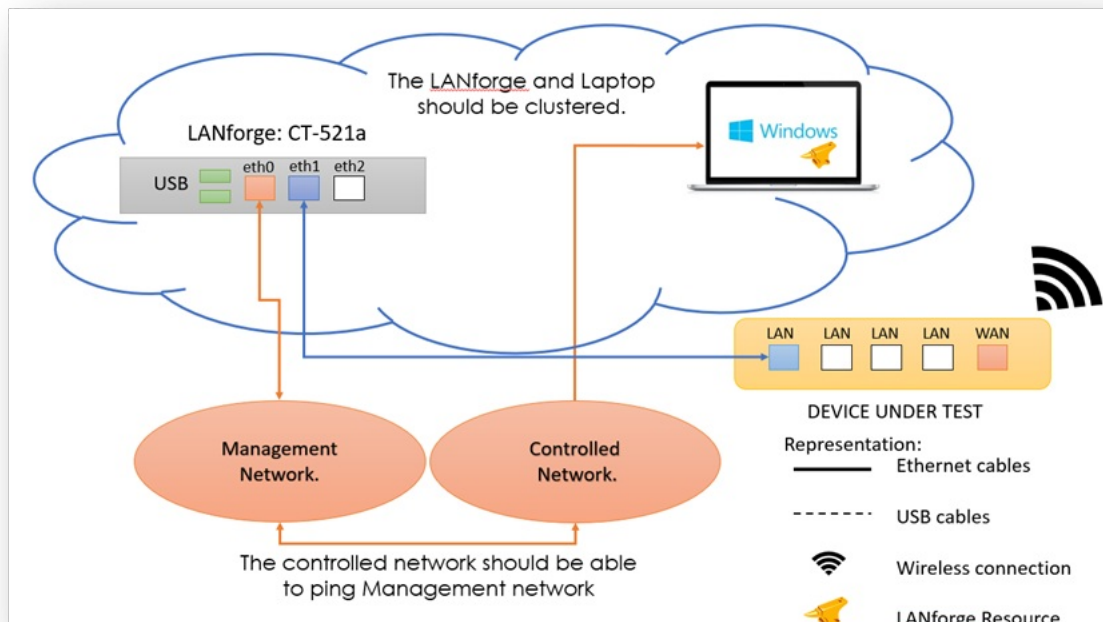
Goal: Install the LANforge Server software on a Windows machine, then configure the Windows machine as a resource in a LANforge cluster.

The LANforge InterOp software of Candela Technologies is used to support real clients for testing access points. InterOp provides the test engineer with automation for testing mobile devices. This cookbook requires LANforge-Server version 5.5.2 and above.

We have support for various kinds of real clients:

- Android clients.
- iOS clients.
- Windows machines.
- Linux machines.
- MacOS machines.

Network Topology:



Before getting started:

- To cluster this Windows machine, the LANforge Manager must be in clustering mode. That includes configuring the realm, mode, and resource number of the Manager, as well as having the right licenses. Please verify you have the correct licenses and follow this [cookbook](#) to set your Manager up.

- LANforge-Server is incompatible with devices running Windows S. If your device is running in S mode, refer to this [KB article on switching out of "S" mode](#).

Steps to install LANforge Server on Windows machine

1. Make sure the Windows laptop runs either Windows 10 or 11 and is able to create administrative-privileged users.



2. Open Windows PowerShell as **Administrator** and type in the following command, then press Enter.
`wget http://www.candelatech.com/windows_lf_setup.ps1 -o windows_lf_setup.ps1`

3. Type in the command that allows executing PowerShell Bypass scripts in PowerShell, then press Enter.
`Set-ExecutionPolicy Bypass`

4. Type in the command below to install LANforge-Server.
 - **-lfver**, the LANforge version you want to install
 - **-do_admin**, creates the Administrator profile
 - **-password**, password you want to set for the Administrator profile
 - **-mode**, mode selection for the device
 - **-realm**, realm of the LANforge Manager, i.e. 50, 133, 161, etc
 - **-clusterid**, I.P. address of the LANforge Manager

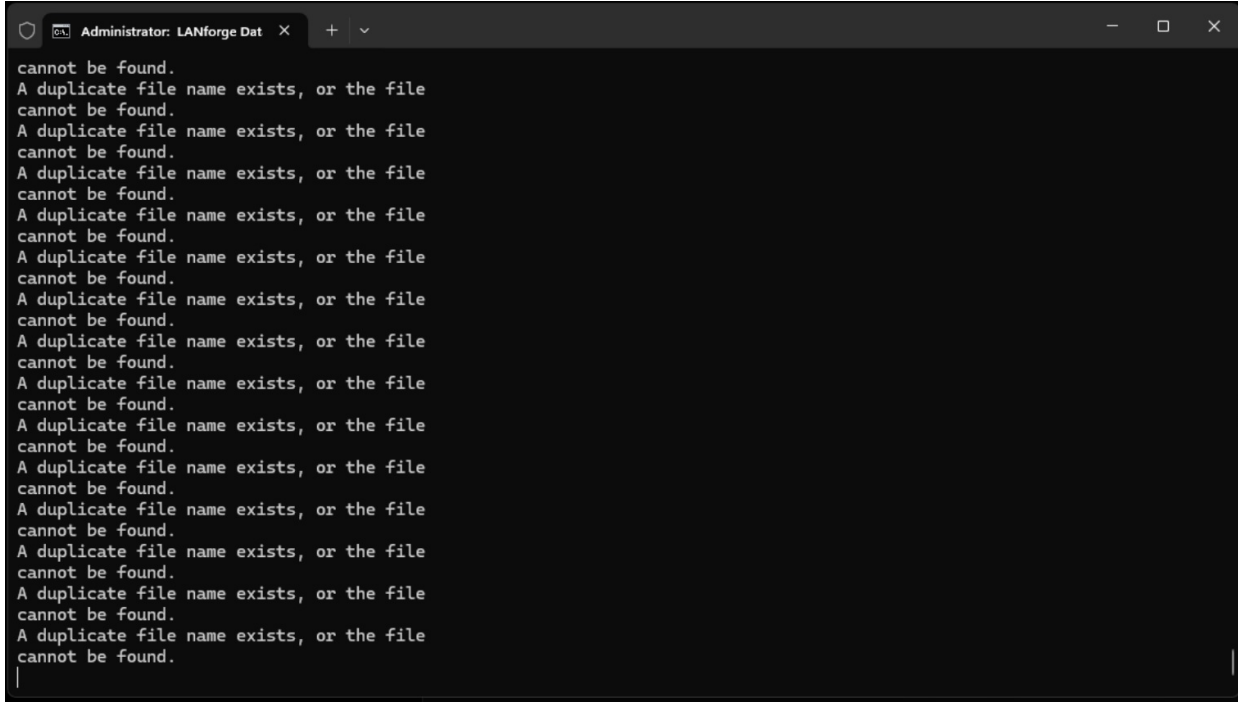
```
.\windows_lf_setup.ps1 -lfver 5.5.2 -do_admin -password "lanforge" -mode "Resource" -  
realm 50 -clusterid 192.168.91.50
```

The command above will:

- Create the Administrator user account, reboot once, and log into the Administrator account. Windows will automatically log in on each subsequent reboot.
- Set the LANforge-Server mode to resource, assuming the LANforge machine is a 523c or 521b for example.
- Wireshark can be included in the install, but will require manual intervention.
- Install all third party software (Python, Google Chrome, Java, TightVNC). This will require Internet.
- Some desktop icons will appear such as Google Chrome, Configure LANforge and Start LANforge.



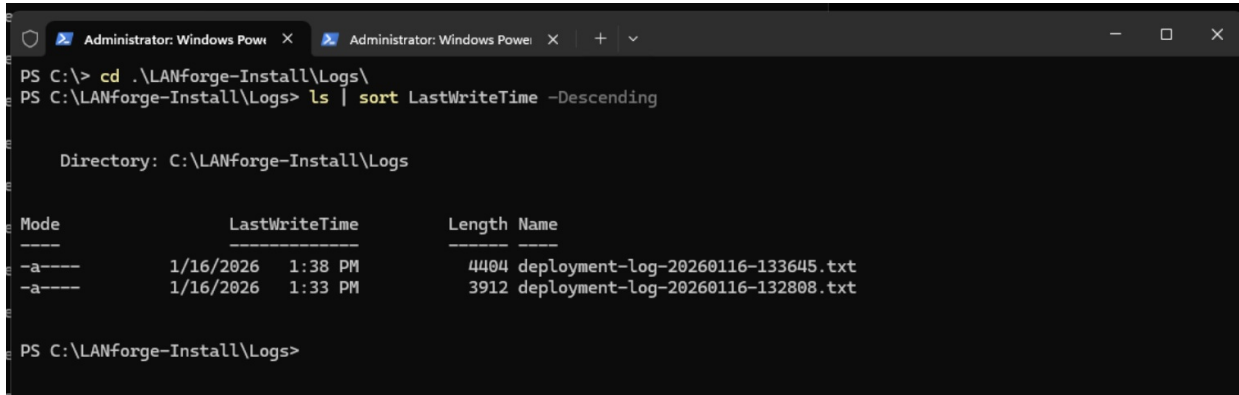
To stop LANforge-Server after it has started, find the command prompt window labeled Administrator: LANforge Data Generator. Close this window to stop LANforge-Server.



Logs from the install will be stored in C:\LANforge-Install\Logs\.

To list the files in descending order:

1. Go to the logs directory by typing this command into PowerShell: `cd C:\LANforge-Install\Logs\`.
2. Type this command: `ls | sort LastWriteTime -Descending`.
3. Files are written in the format as follows: `deployment-log-YYYYMMDD-HHMMSS.txt`.



```
PS C:\> cd .\LANforge-Install\Logs\  
PS C:\LANforge-Install\Logs> ls | sort LastWriteTime -Descending  
  
Directory: C:\LANforge-Install\Logs  
  
Mode                LastWriteTime         Length Name  
----                -  
-a-----          1/16/2026   1:38 PM         4404 deployment-log-20260116-133645.txt  
-a-----          1/16/2026   1:33 PM         3912 deployment-log-20260116-132808.txt  
  
PS C:\LANforge-Install\Logs>
```

To follow the logs, use the commands below:

1. Go to the logs directory by typing this command into PowerShell: `cd C:\LANforge-Install\Logs\`.
2. Watch the top file with `Get-Content deployment-log-YYYYMMDD-HHMMSS.txt -Wait`.
3. Example file format: `deployment-log-20260116-133645.txt`, i.e., January 16th 2026 at 13:36:45.

If there is an error or a program is missing, please attach the most recent log in your support email.