



NetConnect Trial Setup

V1.4

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Version Information

Date	Version	Author	Notes
13/07/2016	V1.0	James Newell	First Release
24/08/2016	V1.1	James Newell	Image update, minor wording amendments.
25/08/2016	V1.2	James Newell	Minor formatting update
26/09/2016	V1.3	Alvin Rebulado	Install procedure update
23/10/2017	V1.4	James Newell	Updated to reflect CentOS 6.8

Overview

This document is intended to act as a guide to trialling NetConnect. In it, we'll cover the key steps involved with installing a fresh instance of the latest NetConnect release and publishing a desktop. This document is intended for admins looking to install NetConnect for evaluation purposes. By the end of this document, you will have published an internal desktop of your choice via NetConnect.

Once you have completed the installation steps detailed in this document, additional configuration can be performed in order to access additional features and expand functionality.

Before you begin...

Prior to commencing your installation, you will require the following – each of these points are detailed within this document:

1. A NSS5000 or NSS50 hardware appliance. **Note, this instance must have internet access in order to download required RPMs.**
2. Logon credentials to the Partner Portal as supplied by Northbridge Secure.
3. A copy of CentOS 6.8 minimal. This is available from the Partner Portal.
4. 1 static internal IP address.
5. IP address or hostname of a network joined Windows Professional desktop to connect to.

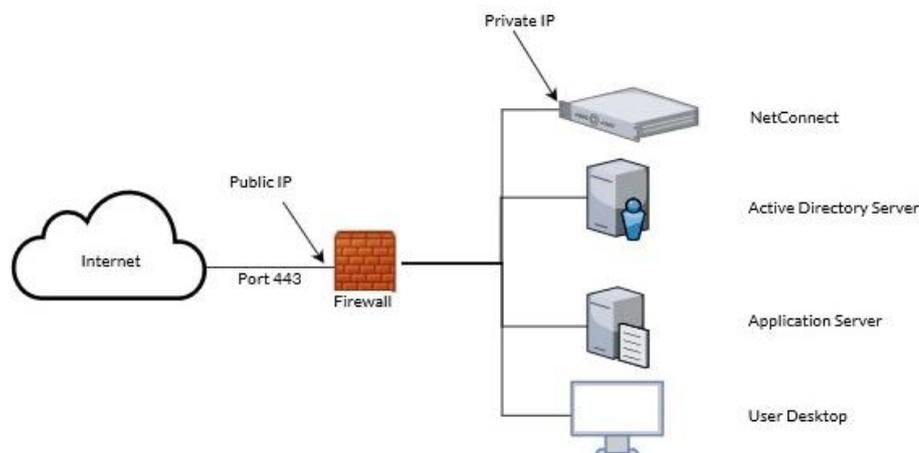
Default Passwords

For reference, the default Admin credentials for NetConnect are below:

Username: admin
 Password: adminv8

NetConnect Example Topology

For reference, the below network diagram represents an example of how NetConnect can be deployed within a standard environment. For more details on individual components please refer to Chapter One of the current 'NetConnect Administration Manual'.



1. Installing CentOS

NetConnect installs directly on to CentOS 6.8 minimal (a widely used distribution of Linux based Red Hat Enterprise Linux), therefore your appliance must have this installed prior to installing NetConnect.

Installation

Installation of CentOS is a straight forward operation. If you need a step-by-step guide on how to install CentOS, please refer to the 'Install CentOS 6.8' section of below link. Note, you will be using the root account at various points during the installation process, please be sure to record the credentials.

<https://lintut.com/how-to-install-centos-6-5-minimal/>

2. Installing NetConnect

Once your virtual instance is running CentOS 6.8 minimal, you're ready to install NetConnect.

CentOS Preparation

You need to download 'wget' tool which is a non-standard CentOS package for minimum install. To do this, run the following command from the shell prompt.

```
yum install wget -y
```

Then you will need to download the script that is required to perform the installation.

```
wget https://s3-ap-southeast-2.amazonaws.com/nos-installer/runscript.sh
```

When ready, run the following command to make the file executable.

```
chmod +x runscript.sh
```

Finally, run the below command to execute the script

```
./runscript.sh
```

Press any key to continue when prompted. CentOS will download and install the required files. After one to two minutes, you'll be presented with the network configuration interface.

- Enter 'Device Configuration'.
- Enter the network card you wish to configure.
- Arrow down and use the spacebar to toggle off 'Use DHCP'
- Enter the Static IP, subnet mask, default gateway, primary & secondary DNS server addresses into the relevant fields.
- Arrow down and use the spacebar to toggle off 'Controlled by NetworkManager' (spacebar).
- Select 'OK'.
- Select 'Save'.
- Select 'Save&Quit'.
- Press any key to continue.

At this point, the CentOS server will reboot and apply the changes.

Installation of NetConnect

Once your CentOS server has rebooted, connect via console to your CentOS image, log in as root and run the following commands:

```
cd /tmp
```

```
./netconnect.sh
```

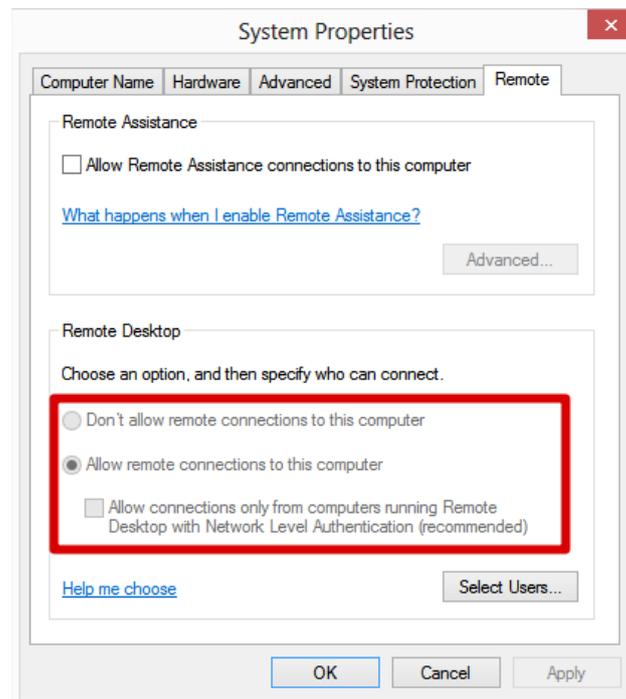
Again, press any key to continue when prompted. This will run the NetConnect installation script, which will take between five to ten minutes. Once the installation has finished, you will be prompted to reboot; simply enter the command **reboot** and press enter.

3. Publishing a Desktop

This section describes how to create an HTML5 desktop for users to access from the WebTop. Once the virtual machine has rebooted following section 2, NetConnect will be accessible via a browser using the private IP address assigned above.

Pre-requisites

- The IP address or hostname of the desktop you will be publishing.
 - The destination desktop will need to have Remote Access enabled as per the below. System Properties can be found by right-click 'Computer/This PC' within File Explorer, selecting 'Properties' and clicking on 'Remote Settings'. This will not be required if connecting to a Windows server.



Open a browser and connect to NetConnect via the private IP address assigned in section two. Log in using the default Admin credentials (admin/adminv8). Once logged in, launch the 'Admin' application.

- Navigate to Applications > Configuration.
- Select 'Create New Application'.
- The Create New Application page appears.

- Enter an application name in the Application Name field.
- Select 'RDP' from the Application Protocol drop-down menu
- Click Submit. The General properties page is then displayed.
- Enter the PC hostname or IP address of the desktop being published.
- Ensure 'HTML5 Client' is turned to 'On'
- Click Modify.

The new 'Desktop' application has now been created and is available to be assigned to users.

4. Assigning Applications.

This section explains how to assign the newly created desktop application to the Admin account. Only the Admin account will be able to access NetConnect until such time a valid licence is applied.

Open a browser and connect to NetConnect via the IP address assigned in section one. Log in using the default Admin credentials (admin/adminv8). Once logged in, launch the 'Admin' application.

- Click Applications > Configuration on the main menu.
- Select the application created in section 3
- Click 'Authorized Users'
- Highlight 'Local\Admin' within the Non-Member column, then click on the arrow pointing towards the 'Members' column. Changes to the Members and Non Members columns are saved automatically.

Finally, log out of NetConnect. The next time you log in you will see the new Desktop application on the webtop. Click on this and you'll launch your very first NetConnect session – just make sure you're not trying to connect to the PC you're working on....

Congratulations, you have just finished your first installation of NetConnect!

5. Next Steps...

At this point access is limited to the desktop you've published and will only be available to the default NetConnect admin account. You will not currently be able to access NetConnect outside of your internal network. However, with some additional configuration you'll quickly be able to:

- Integrate with your Active Directory and enable Single Sign On.
- Apply an SSL Certificate to ensure secure, encrypted connections.
- Access NetConnect Externally via your preferred URL.
- Use the dedicated NetConnect iOS or Android mobile apps with external keyboard and monitor support.
- Apply a licence to allow multiple users access.
- Publish multiple applications hosted on internal servers.
- Easily provide multiple users with access to their personal desktops via the MyDesktop application.
- Configure multi-factor authentication.
- Print to any locally configured printer.
- Configure groups and V-Realms for enhanced access management.
- Change default admin passwords.

All these points are described in our administration manual, available on our partner portal. Additionally, our support team is available to help you at any time – customersupport@northbridgesecure.com.