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| **JDN Standards – Thin Client Central Configuration** |

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# Introduction

This document contains the necessary information to set up central configuration for the Dell Wyse ThinOS thin clients. This central configuration allows thin clients to retrieve this configuration at boot up from an FTP server.

In our standard deployments, the Synologies will be the FTP server.

# Requisites

## DHCP scope options

**If only a single NAS is present in the setup, scope options have to be edited to IP of the NAS (default is NAS cluster, thin clients will not receive a config)**

DHCP scope options contain the necessary information for the thin clients to connect to the FTP server storing the configuration files.

These scope options are automatically configured if you use the standard “configure-dc.ps1” script.

If you did not run this script, you can also configure them manually in the DHCP scope of the network in which you will deploy the thin clients:

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| --- | --- | --- |
| Scope ID | Description | String value (without quotes) |
| 161 | Wyse FTP server | The FTP server’s IP |
| 162 | Wyse FTP starting path | “/” |
| 184 | Wyse FTP server username | “srv\_wyse” |
| 185 | Wyse FTP server password | “WTOS” |

## Firewall rules & policies

The firewall should allow:

* FTP traffic from the thin clients to the FTP server.
* RDP & TCX traffic from the thin clients to the Client VMs.
* Optional: NTP traffic from the thin clients to the time server and/or DC.

# Synology configuration

Carry out the following steps:

* Enable the FTP service.
* Create the necessary credentials:
  + Create the "srv\_wyse" user,
  + Set description "Wyse ThinOS configurator" and password "WTOS",
  + Grant no permissions on existing shared folders.
  + Only allow to connect through FTP.
* Create the shared folder:
  + Create the "wyse" shared folder (all lower case the config is case sensitive!),
  + Set description "Wyse Thin OS configuration" and select "Hide folders and files from users without permissions".
  + Grant "adl\_local", "adl\_tse" and "admin" Read/Write permissions; "srv\_wyse" Read permissions and all other users no permissions.
* Copy the configuration files:
  + Connect to the "wyse" shared folder over FTP using a Read/Write user.
  + Copy over the folders and files from [\\jdn-file01\Ict\_New\_Standard\_Sites\_Vessels\Resources\Dell Wyse Central Configuration\wyse\](file:///\\jdn-file01\Ict_New_Standard_Sites_Vessels\Resources\Dell%20Wyse%20Central%20Configuration\wyse\) into the shared folder. Note that you should have a single \wyse\ folder & not \wyse\wyse\.
* Edit the configuration to fit your environment:
  + Edit the \wyse\wnos\wnos.ini file following the instructions found therein.
* Verify your Synology settings:
  + The folders should be accessible from <ftp://srv_wyse:WTOS@SYN/>

# Thin client function check

Carry out the following checks:

* If your thin client previously had a local configuration saved, it can be wise to reset it to factory default.
* Boot the thin client in a network segment where the DHCP options are set (usually crew-LAN).
* The client will receive an IP through DHCP and will start checking various config options. If all is well, your configuration will load (including a desktop background).
* Connect to all configured RDP connection.
* Verify that the Wyse TCX drivers have been installed on the VMs and that your USB redirection is properly implemented.