

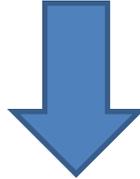
Converting OMNIC Secure Storage Location from Local Computer to a Network Location

There are a few steps necessary in order to convert OMNIC with Security Suite from storing data on the local computer to storing it on a network shared folder. This process is essentially switching the software from a Single Computer configuration to a Distributed Option 1.

Single Computer Configuration



All Security Suite software components are installed on the computer attached to the Thermo Scientific instrument.



Distributed

Option 1



A networked instrument computer is used to run the instrument and for Security Administration. Data storage is on a different network computer.

Steps to convert from Single Computer Configuration to Distributed Option 1:

1. Create a Domain Service Account.

If the system is currently using a local service account, have a new domain service account created. It is recommended that this account have a password that never expires and is not used by any individuals for logging into any computers. Sometimes this is referred to as a “Managed Service Account”. In most cases, this account will need to be created by the company’s IT personnel.

This step is required because a local service account will not be able to access the network shared folder as necessary. If the system is already using a Domain based service account, this step is not needed.

2. Create the Network Storage Folder with proper share and account permissions.

If it does not already exist, create a new folder on the network where the OMNIC data is to be stored.

The new service account created in Step 1 needs to have full control over this folder and any subfolders that may already exist. All other users that will be using OMNIC only require Read-Only access (Read and Execute, List Folder Contents, and Read folder permissions). If desired, other network administrator accounts or user accounts can be granted elevated permission to this folder for the purposes of backup, maintenance, or other reasons, but be aware that anyone with elevated permissions may be able to modify files stored in this directory. See the bottom of page 9 to page 13 in the [“Installing Security Suite”](#) document for details on how to set folder permissions.

Create a share for the new network folder and record the share name as this will be specified in the Security Administration program in Step 6 below. It is Thermo Fisher Scientific’s recommendation to setup the sharing permission to give everyone full control, however follow your company’s guidelines for this. Even with the Share permissions allowing full control, the NTFS folder permissions will still restrict access to maintain security of the files. Setting up the folder share is described in detail from the bottom of page 16 to top of page 18 in the [“Installing Security Suite”](#) document.

3. Copy Current Secure Data to C:\My Documents\Omnic\ folders (Optional).

When OMNIC is opened the first time after changing the secure storage location in Security Administration, it will create any needed subfolders in the new location and copy the factory installed files from the C:\my documents\omnic\ folders on the local computer.

It highly recommended that If there are files (spectra, experiment files, quant methods, libraries, etc) located in the previous secure storage location that need to be copied to the new storage location, that these files should be copied to the appropriate C:\my documents\omnic\ sub-folders **BEFORE** OMNIC is opened for the first time after making these changes. If this is not done before opening OMNIC that first time, the files will need to be manually copied to the new secure storage location by a user who has elevated privileges to the new storage folders. A manual move is also required if the new network storage location already has the sub-folders present, as OMNIC will not copy over the files in that case.

4. Modify Secure Data Storage and File Change Monitor Service Properties.

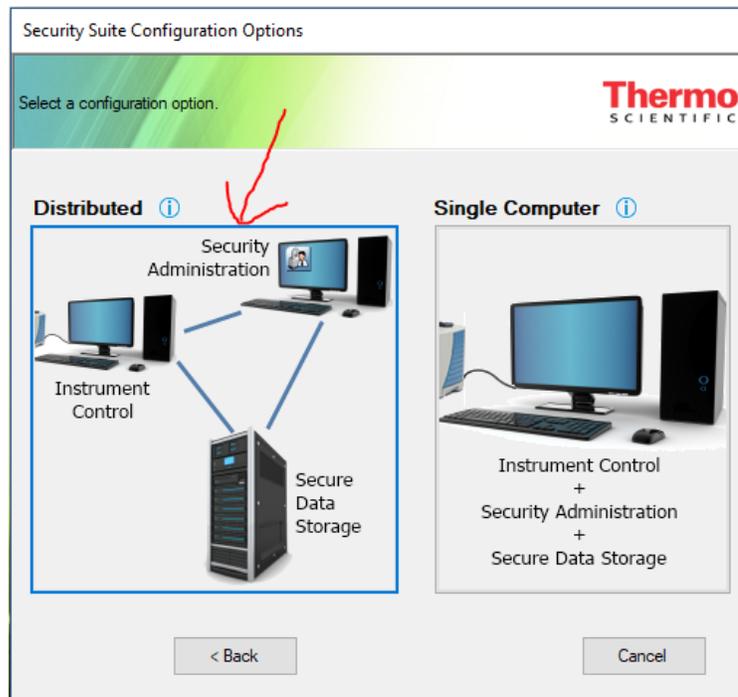
On the local computer, log in under an account with administrator privileges and open the Services applet (open the Windows Start menu and type in the word Services). Scroll down and find the Thermo Scientific File Change Monitor Service and Thermo Scientific Secure Data Storage Service. Stop both services. Right Click on one of the services and choose the Properties command from the popup menu. In the Properties dialog, select the “Log On” tab and enter the credentials (user name and password) for the new service account created in Step 1. Click Apply and then Ok to close the dialog box. A message

may be displayed that says this account has been granted “Log On As a Service” rights. Repeat these steps for the second Thermo Scientific service and then start both services.

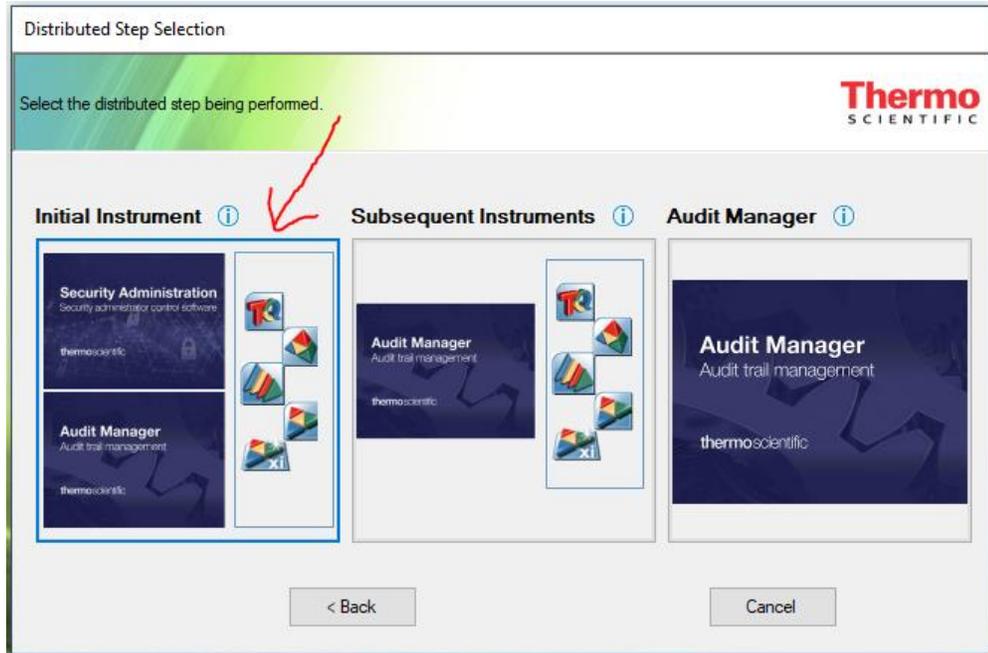
5. Install Network Installation Package.

With any of the distributed configurations of OMNIC Security Suite, there is software that gets installed on the network servers. In the case of Distributed Option 1, this software includes the Thermo Scientific File Change Monitor and Thermo Scientific Secure Data Storage services. The main reason for this is to have the File Change Monitor service present so it will track any changes made to files in the secure folder location by users who may access the files through the Windows operating system.

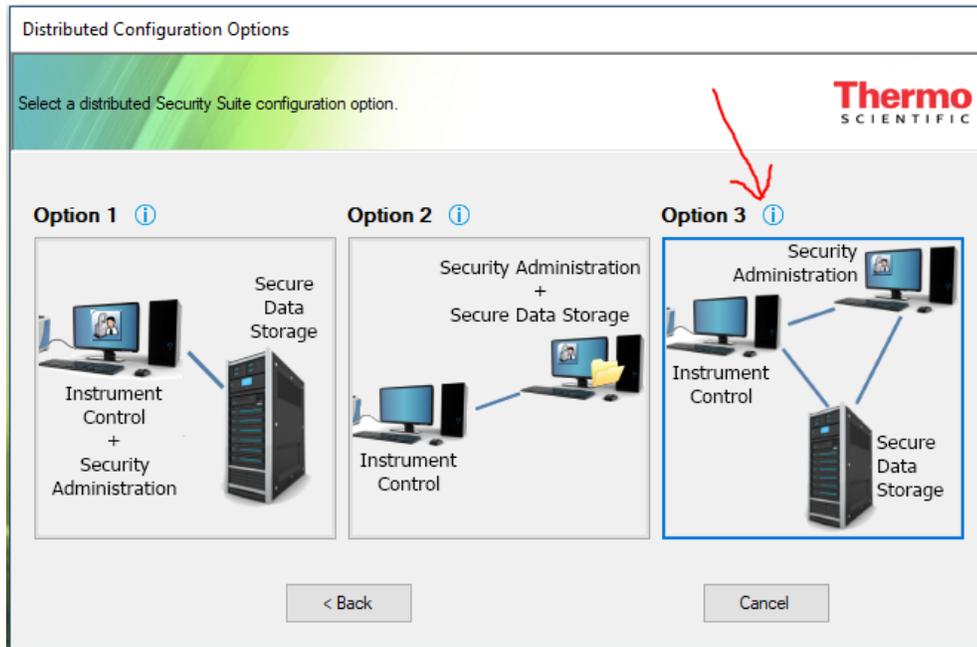
To create the network installation package, insert the OMNIC w/ Security Suite DVD into an optical drive on any computer and double click the Setup.exe program in the root directory of that disk. No actual software will be installed on the computer from which this setup is launched, as it is just being used to create the network installation package. Accept the license agreement and click Next. Then choose the “Typical” install option and click Next. Click the option for Distributed.



On the next screen click the option for Initial Instrument.



On the next screen click the option for Option 3 (even though Option 1 is really what is being done, Option 3 must be selected otherwise software will get installed on the computer from which this program is running).



The next screen will ask where the network installation package is to be created. This can be on the local computer's hard drive, on a thumb drive, or directly to a network location. It is recommended to create that directly on the server where the new secure folder is located for ease of installation, but if it is created elsewhere it can later be moved to the server.

Enter the path for installation package location in the text box at the top of the screen. The selections in the lower half of the box will not make a difference to this installation. Then click Next to create the network install package at the specified path.

Create Network Installation Packages

Select Network Installation Packages location and any additional instrument applications to be controlled by this Security Server. Click Next.

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Installation Packages Location
Browse to an IT-accessible location for the Network Installation Packages (e.g. a network share, flash drive, etc.), then click Next to copy the packages to that location.

C:\Network Installation Package Browse...

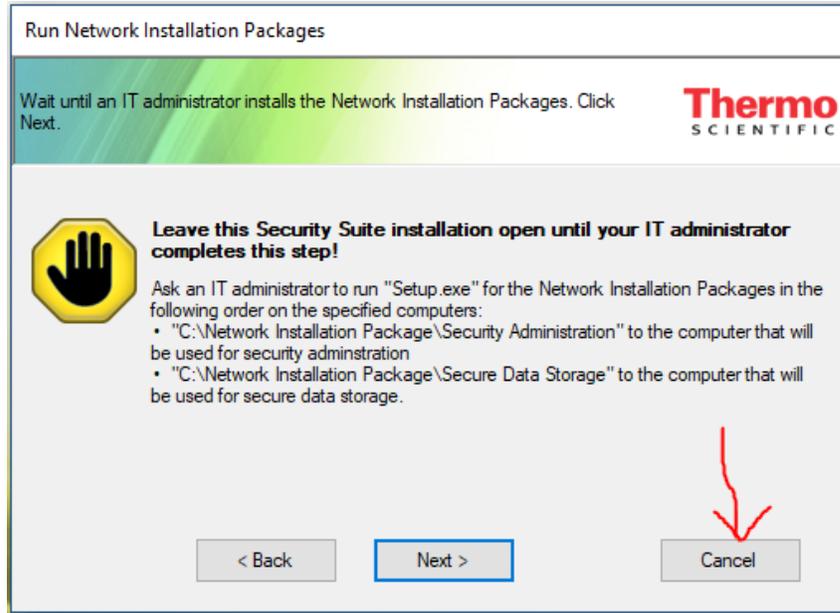
Instrument Applications to Administer

- Array for Dispersive Raman
- Atlas for Dispersive Raman
- Atlas for Omnic
- AuditManager
- CUE
- Insight
- Omnic for Dispersive Raman
- Omnic
- OmnicArray
- OMNICPicta
- OmnicRaman

i Instrument applications included on this installation media cannot be deselected. Select All Deselect All

< Back Next > Cancel

After creating that package, the following screen is presented. At this point, the network installation package has been created and the **Cancel button** should be clicked to cancel the installation on the local computer. Click Yes to the confirmation message about cancelling the installation.



If needed, transfer the network installation package to the server where the new storage folder is located. This folder will have two subfolders ("Secure Data Storage" and "Security Administration").

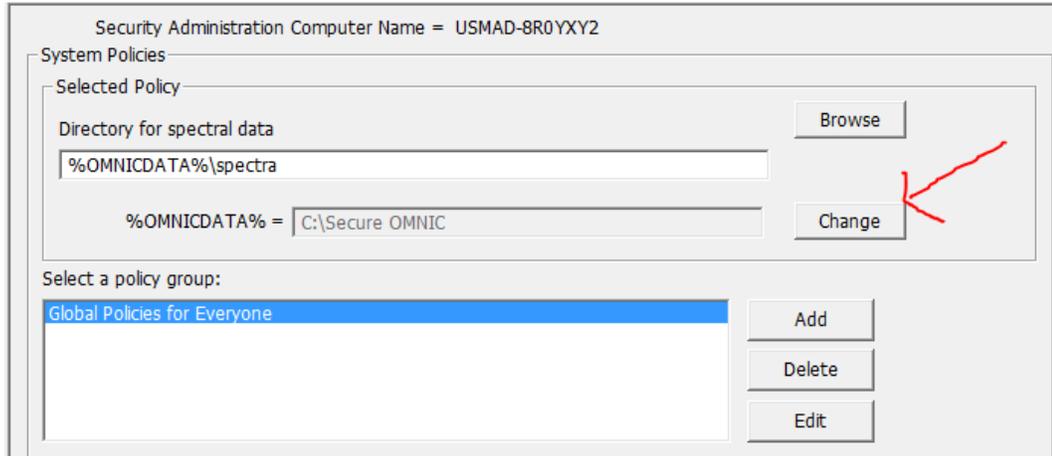
Name	Date modified	Type	Size
Secure Data Storage	9/3/2020 10:57 AM	File folder	
Security Administration	9/3/2020 10:57 AM	File folder	

Open the "Secure Data Storage" folder and double click the Setup.exe program in the root directory to start that installer, following the typical installation option. At one point in the installation the program will prompt for the location of the Security Server. This will be the name of the computer where Security Administration is installed. Once completed, the server may need to be rebooted.

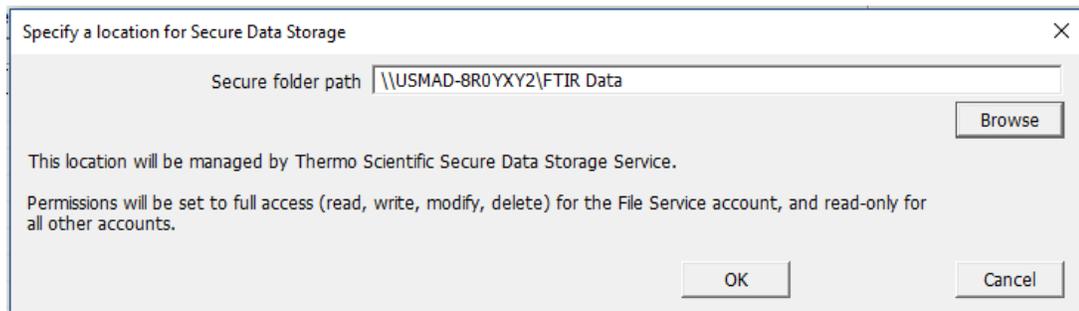
NOTE: The Security Administration folder is not needed for this type of installation and can be deleted if desired.

6. Change Secure Storage Location in Security Administration.

Open the Security Administration program on the instrument computer. Click the plus next to the OMNIC item on the left hand side, and then the plus next to the System Policies sub-item. Locate and select the policy "Directory for Spectral Data". In the Upper right side of the window for this policy, click the Change button next to the gray text box that lists the secure storage location.



In the dialog box, enter the share name for the new network folder in the dialog box for the Secure Folder path and then click OK. This should be the full network path and not a mapped drive letter.



Save the settings in the Security Administration program by clicking the save icon or by clicking on the File menu and Save Settings command.

7. Open OMNIC on the local computer.

Open OMNIC on the local computer and verify that no error or warning messages are displayed. Enter the username and password to log into the program. If there were no sub-directories present in the new storage location, those should now be created and the files from the C:\my documents\omnic\ folders should be copied. Depending on network speed, the copying of files may take some time to finish.

Verify that the changes have taken effect by opening a spectral file in OMNIC and then re-save the spectrum under a new file name. Verify this file has been created in the new secure storage location on the network.

If any error message show at startup of OMNIC or the software doesn't seem to be functioning correctly, contact Technical Support for assistance.