



Configure ShowCase Premier For Remote Image Center Access

Use this guide to configure ShowCase Premier to access the Image Center over a VPN.

Before You Start

Make sure ShowCase Image Center is installed, with a Windows User account configured in the Image Center that has access to an Image Directory as outlined in the Image Center Configuration Guide.

Make sure your firewall is properly configured.

ShowCase Premier is installed and licensed on your PC

Configure the Image Center Connection

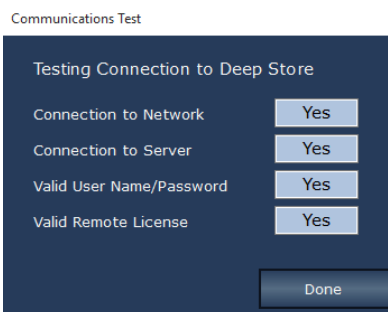
1. Launch ShowCase Premier
2. From the **Edit Menu**, select **Image Center Settings...**
3. Click the **Add** button. A blank local Image Center will be created named "New Image Center":

The screenshot shows the 'Image Center Settings' dialog box. On the left, under 'Image Centers', there is a list with 'Demo Image Center' and 'New Image Center'. The 'New Image Center' is selected. Below the list are 'Add' and 'Remove' buttons. On the right, under 'Image Center Communication', there are fields for 'Name' (New Image Center), 'Address', 'Port' (8080), 'User Name', and 'Password'. A 'Test' button is next to the Name field. At the bottom, there is a dropdown menu currently set to 'Local Image Center'.

4. Enter a name for your Image Center in the **Name** field. It can be any name you like.
5. Enter the Image Center machine's VPN IP address in the **Address** field. You may need to get this from your IT professional.
6. Enter the **Port**. This must match the Image Access Port in the Image Center. The default is 8080.
7. Enter your Windows Account **User Name** and **Password** registered on the Image Center PC.
8. Change Local Image Center to Remote Image Center by clicking the dropdown. This tells ShowCase it will be communicating over a VPN and not a local network.

The screenshot shows the 'Image Center Settings' dialog box. On the left, under 'Image Centers', there is a list with 'Demo Image Center' and 'Deep Store'. 'Deep Store' is selected. Below the list are 'Add' and 'Remove' buttons. On the right, under 'Image Center Communication', there are fields for 'Name' (Deep Store), 'Address' (25.111.24.23), 'Port' (8080), 'User Name' (Pete), and 'Password' (****). A 'Test' button is next to the Name field. At the bottom, there is a dropdown menu currently set to 'Remote Image Center'.

9. Click the **Test** button to see if Premier can contact the Image Center:



If the communication is not working, the messages in this dialog help you determine where the problem occurred so that you can modify your settings and try again.

Set the Local Storage Location

ShowCase brings the studies to local storage on your computer to view them. Click the ... button to browse to a folder on your computer where studies transferred from the Image Center should be stored locally.



If you have Image Centers from multiple sites, make sure they are in separate folders.

Configuring Automatic Image Transfers from the Image Center

Automatic transfer is a convenient way to move studies to your local copy of Premier in the background, while you are away from your computer.

For example, Dr House may wish to have all of his studies pulled in the background to a home PC. To automatically pull studies:

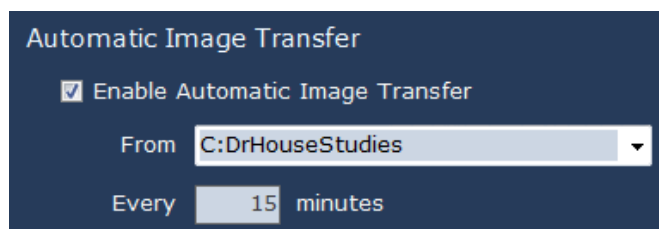
- Create a directory on the clinic PC for Dr House's studies (in this example a folder called DrHouseStudies)

- Add that directory to the Image Center and give Dr House access to the directory.

- On Dr House's PC, in the Image Center Settings, check the box to **Enable Automatic Image Transfer**

- In the dropdown **From** field, locate the directory that you added to the Image Center for this purpose.

- Set a time interval that tells ShowCase how often to check for new studies in the directory. The default is every 15 minutes.



Automatic transfer will transfer all new studies that arrive in the specified Image Directory, starting from the time you first enabled the transfer, e.g. only studies that appear *after* you set up the transfer will be moved.

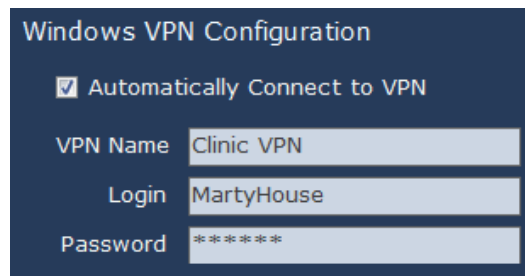
Note: For automatic transfer to be effective, the computer should be left on and connected to the VPN so it can contact the Image Center.

VPN Connection

To make sure your clinical data is private and secure, you will want to access the studies over a Virtual Private Network (VPN). If you do not already have a VPN, we recommend LogMeIn Hamachi's software-only VPN. It is inexpensive (~\$40/yr) and easy to deploy.

Automatically Connecting to a VPN

If you are not always connected to the VPN, you can configure ShowCase to automatically connect to a Windows managed VPN connection whenever you communicate with an Image Center. Just enter the Windows name of the VPN and your Login name and password.



The image shows a 'Windows VPN Configuration' dialog box with a dark blue background. At the top, there is a checked checkbox labeled 'Automatically Connect to VPN'. Below this, there are three input fields: 'VPN Name' with the text 'Clinic VPN', 'Login' with the text 'MartyHouse', and 'Password' with the text '*****'.

Troubleshooting

Configuration problems

If you cannot log in to the Image Center make sure that you have the correct IP address and that the Image Center lists your login name as an Image Center User and that you have been given access to the appropriate directories.

VPN connection problems

Ask your IT professional to instruct you on how to use your VPN. If it is not a Windows managed VPN, ShowCase cannot connect to it automatically and you will need to connect manually.

Image Center connection problems

If you are unable to connect to your Image Center, Helpful messages will appear if any of these connection tests fail, but here is some insight as to what may cause each test to fail. You may find that you need assistance from your IT group to resolve some of these.

Connection to Network failed - Premier cannot find the Image Center computer on the network

Is the IP address correct?

Can you 'ping' the Image Center computer from a Windows Cmd window?

Connection to Server failed - Premier cannot talk to the Image Center Service

Is the firewall on the Image Center open to port 8080?

Is the Image Center running? Log into the Image Center computer. Open the Image Center console. Is the status green? Are there any errors in the System Status window?

Valid User Name/Password failed

Has the User been added to the Image Center?

Did you enter the password correctly?

Valid Remote License failed

Does the Image Center have a valid license? Go to the Image Center computer and check the Image Center Console. Are there any errors?

Download Problems

If you need more information to troubleshoot a problem, you can look at the **ShowCase Download Log**, available from the ShowCase Help menu. It may include error messages.