

# Remote Connection Facilitator User Guide

## HTA/EXE Version 1.50

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## Installation

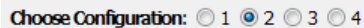
1. Download the Remote Connection Facilitator (RCF) utility from [scriptingpod.com](http://scriptingpod.com). The file is named, rcf.zip.
2. Unzip/extract the contents and save the RCFHTA.exe to your local computer
3. The very first time you install and run this utility, it will attempt to read the top level organizational units (OU's) from Active Directory. Consequently, it is important that you install RCF while connected to your network with access to your Active Directory domain.
4. The "default" configuration for the RCF utility depends upon the domain in which your computer resides when you install it. The domain configuration will be the same domain of your Microsoft Windows Vista computer. The OU listings will be the top level OU's listed in the Active Directory domain that your computer belongs to. Don't worry; all of these settings are customizable after the install.

## Configuration

1. Double-click the RCFHTA.exe file
2. Click the **[Settings]** link on the bottom of the window

### *Storage Number*

3. Choose the configuration number you wish to modify from the "Choose Configuration" settings area. The RCF utility has the capability of holding up to 4 unique configurations in the "slots" labeled, 1, 2, 3, and 4.
  - 3.1. Each configuration "slot" can hold a different domain and OU configuration.
  - 3.2. When using RCF you can switch between the configurations giving you the ability to quickly "toggle" between each one



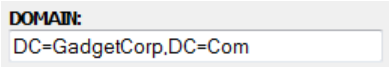
Choose Configuration:  1  2  3  4

**Tip:** store your primary domain/OU configuration in slot 1 and your test or trusted domains in slots 2 – 4.

### *Domain Field*

4. In the Domain field, enter in the name of the Active Directory domain you wish to associate with this configuration. The domain name should be entered using the LDAP distinguished naming convention.

Example: DC=GadgetCorp,DC=Com.



**DOMAIN:**  
DC=GadgetCorp,DC=Com

### *Organizational Unit Search List*

5. Next, enter the Active Directory organizational unit list for the selected configuration.
  - 5.1. The organizational unit (OU) list is used by RCF to create the drop down list on the main screen. These will be the OU's you choose from to search for computers. There are two ways you can populate this OU List configuration file, manual and automatic.

## 5.2. Manual Method

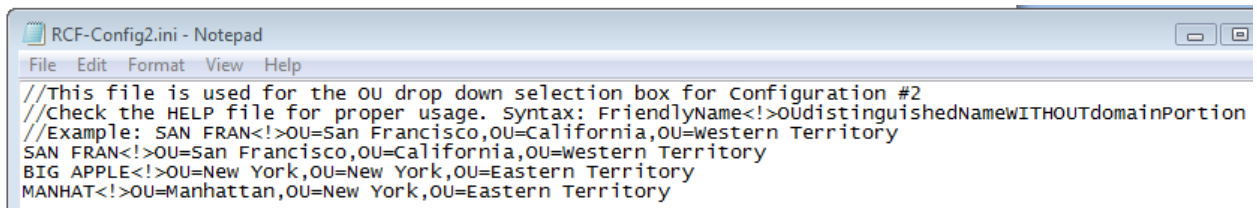
EDIT Active Directory OU List

5.2.1. Click the "Edit Active Directory OU List" button

5.2.2. The OU List configuration file associated with the configuration number selected will open. Enter the OU names directly into this file separating the friendly name from the distinguished name with the combination of these three symbols, in this exact order <!>

5.2.3. The syntax is as follows: FriendlyOUname<!>DistinguishedOUname

5.2.4. The file will look similar to this example...



```
RCF-Config2.ini - Notepad
File Edit Format View Help
//This file is used for the OU drop down selection box for Configuration #2
//Check the HELP file for proper usage. Syntax: FriendlyName<!>OUdistinguishedNameWITHOUTdomainPortion
//Example: SAN FRAN<!>OU=San Francisco,OU=California,OU=western Territory
SAN FRAN<!>OU=San Francisco,OU=California,OU=western Territory
BIG APPLE<!>OU=New York,OU=New York,OU=Eastern Territory
MANHAT<!>OU=Manhattan,OU=New York,OU=Eastern Territory
```

...the lines starting with // are remarks and are ignored by RCF.

5.2.5. There should not be any spaces before or after the separator symbol <!>

5.2.6. The Friendly name is the name that appears in the drop down box on the main screen. The friendly name can be as long as you want however; the utility will only display the first 14 characters of the name.

5.2.7. The distinguished name is used by RCF to query Active Directory. Consequently, it is important that the distinguished name is ACCURATE. **Please note:** the OU distinguished name should not contain the domain portion.

5.2.8. For example, an OU named "San Francisco" in the domain GadgetCorp.com is nested under two higher level OU's called "California" and "Western Territory". The entry in the OU List file for this example would look like this...

```
SAN FRAN<!>OU=San Francisco,OU=California,OU=Western Territory
```

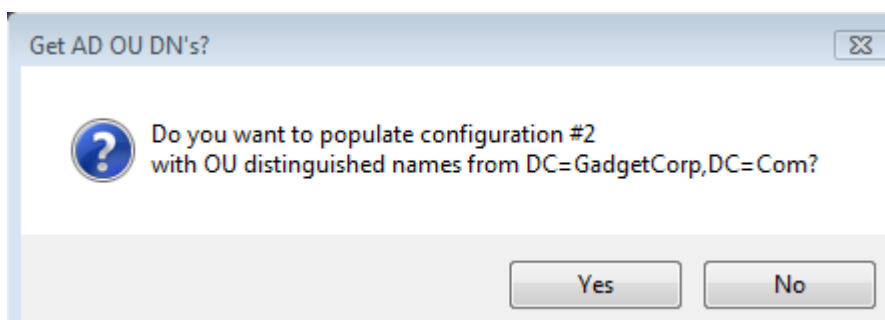
5.2.9. Continue entering in all of the OU's you wish to include in this configuration

5.2.10. Close and **SAVE** the file

## 5.3. Automatic Method

5.3.1. Click the [Query AD] button.

5.3.2. You will be prompted with a dialog similar to this...



...verify this is the right configuration # and domain DN you wish to query

5.3.3. Click Yes

5.3.4. The currently selected configuration number will be automatically populated with ALL of the OU DN's from the domain currently appearing in the DOMAIN field on the selected configuration.

5.3.5. When the query is finished, the OU list file will open and display all of the OU's found.

5.3.6. It is recommended that you edit the file to include only the OU entries you need.

5.3.7. Close and **SAVE** the file

### ***Search Nested OU's***

6. In the "Search Nested OU's" selection area choose Yes or No

Search Nested OU's:  Yes  No

6.1. **Yes** = all nested OU's will be searched starting at the OU chosen from the drop down list

6.1.1. For example if the OU list file has an entry of, West<!>OU=Western Territory

6.1.2. And, the "Western Territory" OU has a nested OU called "California" which also has a nested OU called "San Francisco" then...

6.1.3. When WEST is chosen from the drop down list the nested OU's "California" and "San Francisco" as well as the parent OU "Western Territory" will all be searched for computers. If any computers are found in "Western Territory", "California", or "San Francisco", they will be displayed in the results list.

6.2. **No** = Only the selected OU will be searched, nested OU's will not be searched

6.2.1. Given the same example of, West<!>OU=Western Territory

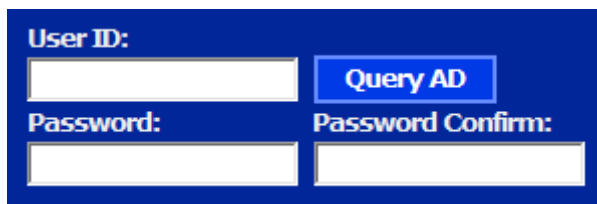
6.2.2. If NO is selected in the Search Nested OU's option ONLY the Western Territory OU will be searched for computers. The nested OU's "California" and "San Francisco" will not be searched.

### ***User ID and Password***

7. Complete the User ID and Password fields

7.1. The User ID and Password fields are used by the utility to connect to Active Directory with credentials other than the one you are logged onto at your Vista workstation. They are also used for some of the utilities such as: Basic Info, Services, Processes, Shutdown, Reboot, and AD.

7.2. The User ID and Password fields are optional but it is recommended that you use them especially if you have multiple configurations in multiple domains.



The image shows a blue dialog box with four input fields and a button. The fields are labeled 'User ID:', 'Password:', 'Password Confirm:', and 'Query AD'. The 'Query AD' field is a button. The 'User ID:' and 'Password:' fields are on the top row, and 'Password Confirm:' and 'Query AD' are on the bottom row.

7.3. Each of the four configurations can have a unique User ID and Password

7.4. The user ID should be entered in using the format: *domain\UserID*

7.5. The ID and password are stored by the utility. However, the password is stored encoded for added security.

## Using RCF

1. After you have successfully configured the settings for RCF, you should see a friendly OU name in the **OU** field on the main window as well as a list of computers in the **System** field.
2. Simply scroll through the list of computers to find the one you want to target
3. Mouse click once on the target computer
4. The RCF window will change to the “utility” window and open with the targeted computer named at the top of the utility window
5. Choose (click on) any of the buttons shown on the utility window to perform that task on the targeted computer.

## Troubleshooting

This section highlights a few of the most common issues that may occur when using the Remote Connection Facilitator. Each issue is described along with a potential resolution.

### ***INVALID OU or DN or Network AD is unavailable***

- 1) This is the most common error that can occur with the RCF utility and consequently, has the most things to verify and check
- 2) Open the utility *settings* and check to ensure the domain name is spelled correctly and is listed in the LDAP distinguished name format. Example: DC=GadgetCorp,DC=Com
- 3) Open the RCF *settings*, click the “EDIT Active Directory OU List” button, check to ensure the organizational unit name is spelled correctly and is listed in the LDAP distinguished name format WITHOUT a trailing comma or domain name. Also, verify you have used the proper separator symbol <!> between the friendly name and the OU distinguished name. Ensure there not a space immediately before or after the separator symbol.
  - a) Example: SAN FRAN<!>OU=San Francisco,OU=California,OU=Western Territory
- 4) Check your network connection can you ping a domain controller?
- 5) Check your ID and password on the settings screen. Is it spelled correctly and listed in the *domain\UserID* format? Is the password correct?

### ***ERROR: Insufficient Rights to query OU/Domain***

- 1) This error most likely occurs when the user ID and password used in the configuration does not have rights to query the Active Directory domain listed on that configuration.
- 2) Alternatively, if the user ID and password fields are not completed in the RCF settings configuration then the user ID and password you are using to log onto your Vista workstation does not have rights to query the Active Directory domain listed on that configuration.
- 3) Is this a trusted domain? Do you have rights in the trusted domain?

### ***No Results, No Machines Found***

- 1) This is really not an error it is simply stating that RCF could not find any *computers* in the chosen OU for the listed domain
- 2) Open the settings dialog and check the "Search Nested OU's" option. Set it to YES. Try it again.
  - a) Review Item number **6** in the **Configuration** section of this document for an explanation on the Search Nested OU's option.
- 3) Check Active Directory and verify the OU listed in the configuration file actually has computers in it.
- 4) Verify the LDAP DN of the OU is actually the right (intended) path