



## Removing a Subscriber Server from Cisco Unified CallManager

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You delete a subscriber server from the Cisco Unified CallManager cluster by using the Server Configuration window in Cisco Unified CallManager Administration. This deletion, however, deletes the server from the Cisco Unified CallManager Administration database, but not all of the server dependencies get deleted.

To fully delete a server from the system, you must perform the following steps:

1. Remove all dependencies from the server; for example, delete the Cisco CallManager service. See the [“Deleting a Server”](#) section on page 2-5.



Tip

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To view the dependencies, click the **Dependency Records** link on the Server Configuration window.

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2. Remove the server from Cisco Unified CallManager Administration. See the [“Deleting a Server”](#) section on page 2-5.
3. Run a script file that removes the SQL replication information from the database. See the [“Remove SQL Replication Information”](#) section on page B-2.
4. Run a script file that removes the DCD replication agreements from the publisher if Cisco Unified CallManager cluster is integrated with local DCDirectory. See the [“Remove Redundant DCD Replication Agreements”](#) section on page B-3.

## Remove SQL Replication Information

After the server is removed by using Cisco Unified CallManager Administration, run the script file to remove the SQL replication information. Run the appropriate script file for the publisher and for the subscriber server.



Tip

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Copy the script file contents of [Example B-1 on page B-4](#) and [Example B-2 on page B-4](#) to a Notepad file and save it with a .bat extension; for example, *removesubscription.bat* and *removeserverfromDB.bat*.

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## Run RemoveServerFromDB.bat Script on Publisher

Execute the RemoveServerFromDB.bat script file from the Cisco Unified CallManager publisher server for the cluster containing the subscriber that you want to remove. This script runs from the command prompt from any directory.



Tip

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To view the procedure that runs the script, run the script with no parameters.

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From any directory on the publisher server, enter the following command:

```
<path where you saved the script>:\RemoveServerFromDB "server" "database"  
"name_of_server_to_delete_from_database connection string"
```



Tip

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To find the database connection string name, go to **Service > Service Parameters**, choose Cisco Database Layer Monitor, click **Advanced**, and get the name from the Database Connection String field; for example, `DSN=CiscoCallManager;Server=ABC2`.

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When this command gets run from the command prompt, errors display; no separate error log file gets generated.

To view the contents of the script file, see the [“Contents of the RemoveServerFromDB.bat Script File”](#) section on page B-4.

## Run RemoveSubscription.bat Script on Subscriber

Execute the RemoveSubscription.bat script file from the Cisco Unified CallManager subscriber server that you want to remove. This script runs from the command prompt from any directory.

**Tip**

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To view the procedure that runs the script, run the script with no parameters.

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From any directory on the subscriber server, enter the following command:

```
<path where you saved the script>:\RemoveSubscription "server" "database"
```

When this command runs from the command prompt, errors display; no separate error log file gets generated.

To view the contents of the script file, see the [“Contents of the RemoveSubscription.bat Script File”](#) section on page B-4.

## Remove Redundant DCD Replication Agreements

After the subscriber server is removed from the cluster, clean its DCD replication information from the publisher DCD by running the clean\_publisher script. The script file only executes on the publisher server.

You can access the script on Cisco Unified CallManager release 3.3 and above. It gets installed on the Cisco Unified CallManager server during installation of Cisco Directory component.

From any directory on the publisher server, enter the following command:

```
c:\Clean_publisher.cmd
```

The script file removes the replication agreements to all nonexistent subscribers from the publisher DCD. It does not delete or modify existing data.

**Note**

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If administrator removes the server without running the Clean\_publisher.cmd script and then adds the server back with the same host name into the same cluster from where it was removed, the DCD script that is used to configure the

subscriber DCD will clean up the previous DCD replication agreement from the publisher DCD database during the Directory installation of the Cisco Unified CallManager installation on the server.

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## Contents of the RemoveServerFromDB.bat Script File

[Example B-1](#) displays the contents of the script file that removes the SQL replication information from the publisher server.

### *Example B-1 Script File Contents*

```
@echo off
@if "%3x" == "x" goto Usage
echo Install stored procedure in database %2

echo USE %2 > temp.sql
echo GO >> temp.sql
echo sp_dropsubscription @publication = %2, @subscriber = '%3', @article='all' >> temp.sql
echo GO >> temp.sql
osql -S %1 -d %2 -E -e -i temp.sql
delete temp.sql

goto endd
:Usage
@echo Usage: RemoveServerFromDB "server" "database"
"name_of_server_to_delete_from_ProcessNode.Name"
@echo Example: RemoveServerFromDB . CCM0300 fred.cisco.com
:endd
```

## Contents of the RemoveSubscription.bat Script File

[Example B-2](#) displays the contents of the script file that removes the SQL replication information from the subscriber server.

### *Example B-2 Script File Contents*

```
@echo off
@if "%2x" == "x" goto Usage
echo Install stored procedure in database %2
```

```
echo sp_removedbreplication @dbname = %2 > templ.sql
echo GO >> templ.sql
osql -S %1 -d %2 -E -e -i templ.sql

del templ.sql

goto endd
:Usage
@echo Usage: RemoveSubscription "server" "database"
@echo Example: RemoveSubscription . CCM0300
:endd
```

