



DEFINITY® AnyWhere to Avaya Web Collaboration Upgrade Instructions

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Avaya Inc.
211 Mount Airy Road
Basking Ridge, New Jersey 07920

www.avaya.com

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Introduction

The process for upgrading from DEFINITY® AnyWhere (DA) to the Unified Communication Center (UCC) consists of two main steps:

- Saving the LDAP information from DA
- Using the UCC data migration tool to integrate the DA LDAP information into UCC

Prerequisites

The following prerequisites are assumed:

- The DA release is not earlier than R3. Migration of releases prior to R3 is not supported.
- UCC must already be installed, and it must reside on a Windows 2000 server.
- The single UCC organizational unit under which all the converted DA data will be added exists in the UCC LDAP server before migration. Organizational units for Users, Servers, and so forth also exist in the UCC LDAP directory.
- You have write permissions to the file system directory in which the migration tool is run.
- The number of licensed UCC users is at least as great as the number of DA 3.0 users.

- You need to be aware that the tool will not migrate LDAP entries under "ou=Servers, <DAorganizationalUnit>, <DArootSuffix>" other than the dialplanentry, multiplecall, seqcalltmout, messagingloginformat, and dropawoh attributes. These entries are added to the UCC LDAP directory during installation and should not be modified.
- You have the name of the server on which the LDAP directory resides and the directory administrator ID and password that will provide access to the Netscape Console 4.1.

Export the Definity Anywhere LDAP Data

To upgrade to UCC, you must export the DA LDAP data. To export the data:

1. Log on to the DEFINITY AnyWhere 3.0 Windows NT server.
2. Go to **Start > Programs > Netscape Server Products > Netscape Console 4.1**.
3. Type the directory administrator ID and password and click **OK**.
4. Double-click the server name that contains the LDAP directory to export.
5. Double-click **Server Group**.
6. Double-click **Directory Server([ServerName])**, where [ServerName] is the server that contains the LDAP directory to export.
7. Select the **Configuration** tab.
8. Right-click **Database**.
9. Select **Export**.
10. Type the filename that will be used to contain the exported LDAP data.
11. Select **Subtree**.
12. Select **Browse**.

A tree is presented with the directory server host as its root.

13. Under the directory server entry, click the **+** next to the entry that matches the first component of the DA root suffix.

A number of additional entries are presented.

14. Select the entry that matches the DA organizational unit entered when DA was installed.
15. Record the organizational unit and root suffix that is presented in the subtree: field. It will be needed when the LDAP data is migrated to the UCC server.

ou = _____
o = _____, c = _____

16. Click **OK** and then click **OK** again.

A dialog box is presented indicating the export is complete.

17. Click **OK**.
18. Exit the Netscape Directory server console.

The file containing the exported data can be found in:

X:\Netscape\Server4\slapd-[ServerName]\ldif

X is the drive on which the Netscape Directory server was installed.

ServerName is the name of the machine on which the directory server was installed.

19. Copy this file to a disk or to another machine. It will be used on the UCC R1 server in the data migration process.

Note:

If UCC R1 is installed on the machine on which DEFINITY AnyWhere resided, The file could be deleted during the UCC installation. Save the file to a disk or another machine. The file containing the exported data will be used on the UCC R1 server to perform the data migration.

Migration

The migration tool is a perl script that is run from the command line. It has two modes: conversion and

recovery. The recovery mode is for use after a failed conversion.

To start the migration tool:

1. Log on to the UCC server.
2. Copy the exported DA LDAP data file to a directory, for example, C:\temp, on the UCC server.
3. From a command prompt, cd to the directory where you saved the exported LDAP data.
4. Execute the following command, where X is the drive on which UCC is installed. The quotation marks are a necessary part of the command.

"X:\Avaya\UCC\Tools\Data Migration\convertDA"

The tool asks a series of questions before beginning the conversion. The first question, "Do you want to convert and install the migrated data(Y or N)?" determines which mode will run. Use the table that follows to help you respond to the conversion mode questions or instructions:

Question or Instruction	Action
Do you want to convert and install the migrated data (Y or N)?	Type y for the conversion mode and n for the recovery mode. Note: If the migration tool has been run before, the following prompt is displayed: "A recovery file currently exists. Continuing will prevent you from being able to recover the last migration session. Do you wish to continue (Y or N)?" If the prior migration failed and you are running the migration tool to correct the problem, you need to first follow the instructions in the "Errors and Recovery Mode" section. If you continue, you will have no way to return to the preconversion state that is required for a successful migration.
Please enter Directory Manager password:	Type the UCC LDAP Directory Manager's password.
Please enter the absolute path to the DEFINITY Anywhere data file:	Type the full path to the file containing the DA LDAP data, for example: c:\temp\backup.dat
Please enter DEFINITY AnyWhere LDAP root suffix:	Type the root suffix of the DA LDAP directory that you recorded in step 15 of the Export DEFINITY AnyWhere LDAP Information process, for example: dc=usae,dc=avaya,dc=com

Question or Instruction	Action
Please enter DEFINITY Anywhere LDAP organization unit:	Type the organizational unit that you recorded in step 15 of the Export DEFINITY AnyWhere LDAP Information process, for example: ho . Note: Do not include the "ou=" prefix.
Please enter UCC LDAP organization unit:	Type the organizational unit defined in the UCC LDAP directory under which the converted data will be added, for example: holmdel . Note: Do not include the "ou=" prefix.
Do you want to proceed (Y or N)?	After the tool has processed the exported data, you will be prompted to proceed. Type y .

Possible Additional Questions

During the conversion process, the migration tool queries the UCC LDAP server for all switches installed. If a user's telephone is associated with a switch that is not currently defined in the UCC directory you will be prompted to choose a switch from a list of those available.

If more than one onemeetingserver object class entry exists, you will be prompted to choose one. This is because the tool queries the UCC LDAP server for all DEFINITY AnyWhere server entries by querying for all onemeetingserver object class entries. You must set the onemeetingserverdn attribute for all user entries to the distinguished name of the DEFINITY AnyWhere server chosen.

If more than one CommunicationDomainProvider object class entry exists, you will be prompted to map the DA DEFINITY switch entries to those found in the UCC Directory server. This is because the tool queries the UCC LDAP server for all DEFINITY switches by querying for all CommunicationDomainProvider object class entries under "ou=Switches, ou=<UCCorganizationalUnit>, <UCCrootSuffix>". You must modify the communicationdomainproviderdn attribute for each DA

entry under "ou=Telephones, <DAorganizationalUnit>, <DArootSuffix>" to reference a different entry that currently exists in the UCC Directory server.

Example of a Conversion Session

The following is an example of a conversion session:

You are about to run the DEFINITY Anywhere to UCC data migration tool.

Do you want to convert and install the migrated data (Y or N)? Y

Please enter Directory Manager password: xxxxxxxx

Please enter absolute path to the DEFINITY Anywhere data file: c:\temp\backup.dat

Please enter DEFINITY Anywhere LDAP root suffix:

dc=usae,dc=avaya,dc=com

Please enter DEFINITY Anywhere LDAP organization unit:

ho

Please enter UCC LDAP organization unit: holmdel

LDAP Data conversion phase 1 started.

Data conversion phase 1 progress: 100 entries processed.

Data conversion phase 1 progress: 200 entries processed.

Data conversion phase 1 progress: 300 entries processed.

Data conversion phase 1 progress: 400 entries processed.

Data conversion phase 1 progress: 500 entries processed.

Data conversion phase 1 progress: 600 entries processed.

Data conversion phase 1 progress: 700 entries processed.

Data conversion phase 1 progress: 800 entries processed.

Data conversion phase 1 progress: 900 entries processed.

Data conversion phase 1 progress: 1000 entries processed.

Data conversion phase 1 progress: 1100 entries processed.

Data conversion phase 1 complete: 1125 entries processed

LDAP Data conversion phase 2 started.

Data conversion phase 2 progress: 100 entries converted.

Data conversion phase 2 progress: 200 entries converted.

Data conversion phase 2 progress: 300 entries converted.

Data conversion phase 2 progress: 400 entries converted.

Data conversion phase 2 progress: 500 entries converted.

Data conversion phase 2 progress: 600 entries converted.

Data conversion phase 2 progress: 700 entries converted.

Data conversion phase 2 progress: 800 entries converted.

Data conversion phase 2 progress: 900 entries converted.

Data conversion phase 2 progress: 1000 entries converted.

Data conversion phase 2 progress: 1100 entries converted.

Data conversion complete. 1124 entries converted. To complete the migration the converted data will be added to the UCC LDAP server.

Do you want to proceed (Y or N)? Y

Data population progress: 100 entries populated.

Data population progress: 200 entries populated.

Data population progress: 300 entries populated.

Data population progress: 400 entries populated.

Data population progress: 500 entries populated.

Data population progress: 600 entries populated.

Data population progress: 700 entries populated.

Data population progress: 800 entries populated.

Data population progress: 900 entries populated.

Data population progress: 1000 entries populated.

Data population progress: 1100 entries populated.

Data migration complete. 1124 entries migrated.

Conversion Mode Error Reporting

If a fatal error occurs during conversion, the error will be logged, the user notified, and the conversion session terminated. If a nonfatal error occurs, the error will be logged, and the user notified.

You can view the error logs by going to the directory in which you stored the DA LDAP data. This is the same directory you entered in response to the instruction "Please enter the absolute path to the DEFINITY Anywhere data file:" during the conversion process, for example:

c:\temp\backup.dat

List of Modifications to DA LDAP Data

The list that follows details the modifications that the tool makes to the DA LDAP data:

- Any occurrence of creatorsname, modifiersname, createtimestamp or modifytimestamp attributes in all LDIF entries will be removed.
- All occurrences of <DAorganizationalUnit>, <DArootSuffix> in any attribute will be replaced with <UCCorganizationalUnit>, <UCCrootSuffix> including the entries' distinguished names.
- All communicationperson object class entries' onemeetingserverdn will be modified to the DEFINITY Anywhere distinguished name that is provided by the user. Any userpreferences attribute

that ends with Intuity, Aria or Serenade will have this preference removed.

- All addressableendpoint object class entries under ou=Telephones will have their communicationdomainproviderdn attribute modified based on user input.
- Each UCC switch entry, found under ou=Switches, <UCCorganizationalUnit>, <UCCrootSuffix>, will have its dialplanentry attribute modified to the values in the DA LDAP data.
- All onemeetingserver object classes will have their multivalue errorloglevel attribute converted to a single value of INFO.
- The resulting modifications will be added to the UCC LDAP directory. All converted entries will be emitted except those entries under ou=Servers, <UCCorganizationalUnit>, <UCCrootSuffix> or ou=Switches, <UCCorganizationalUnit>, <UCCrootSuffix>.
- The distinguished names of all entries added will be logged to a recovery file.

Errors and Recovery Mode

The migration tool's recovery mode deletes all UCC LDAP directory entries that were added the last time the tool was run in conversion mode. If a fatal error occurs, the UCC LDAP directory must be returned to its preconversion state before you attempt another conversion.

To run the tool in recovery mode restart the tool. See the Migration section steps 1 to 4 for help. Follow the instructions or answer the questions as follows:

Question or Instruction	Action
Do you want to convert and install the migrated data (Y or N)?	Type n for the recovery mode.
Do you want to recover from the last failed attempt to convert and install migrated data (Y or N)?	Type y .
Please enter Directory Manager password:	Type the UCC LDAP Directory Manager's password.

If the recovery file exists, it will be opened. The tool will read recovery entries from the recovery file and attempt to delete the entries from the UCC LDAP directory. You will be provided with periodic feedback on the progress of the recovery.

Example of a Recovery Session

The following is an example of a recovery session:

You are about to run the DEFINITY Anywhere to UCC data migration tool.

Do you want to convert and install the migrated data (Y or N)? N

Do you want to recover from the last failed attempt to convert and install migrated data (Y or N)? Y

Please enter Directory Manager password: onemeeting

Recovering UCC LDAP directory.

Data recovery progress: 100 entries deleted.

Data recovery progress: 200 entries deleted.

Data recovery progress: 300 entries deleted.

Data recovery progress: 400 entries deleted.

Data recovery progress: 500 entries deleted.

Data recovery progress: 600 entries deleted.

Data recovery progress: 700 entries deleted.

Data recovery progress: 800 entries deleted.

Data recovery progress: 900 entries deleted.

Data recovery progress: 1000 entries deleted.

Data recovery progress: 1100 entries deleted.

Data recovery complete. 1124 entries deleted

List of Modifications Made to LDAP Data

The following is a list of modifications that are made to the LDAP data during the migration process:

- Any occurrence of creatorsname, modifiersname, createtimestamp or modifytimestamp attributes in all LDIF entries will be removed.
- All occurrences of <DAorganizationalUnit>, <DArootSuffix> in any attribute will be replaced with <UCCorganizationalUnit>, <UCCrootSuffix> including the entries' distinguished names.
- All communicationperson object class entries' onemeetingserverdn will be modified to the DEFINITY Anywhere distinguished name that is provided by the user. Any userpreferences attribute that ends with Intuity, Aria or Serenade will have this preference removed.
- All addressableendpoint object class entries under ou=Telephones will have their communicationdomainproviderdn attribute modified based on user input.
- Each UCC switch entry, found under ou=Switches, <UCCorganizationalUnit>, <UCCrootSuffix>, will have its dialplanentry attribute modified to the values in the DA LDAP data.
- All onemeetingserver object classes will have their multi-value errorloglevel attribute converted to a single value of INFO.
- The resulting modifications will be added to the UCC LDAP directory. All converted entries will be emitted except those entries under ou=Servers, <UCCorganizationalUnit>, <UCCrootSuffix> or ou=Switches, <UCCorganizationalUnit>, <UCCrootSuffix>.
- The distinguished names of all entries added will be logged to a recovery file.