# ALM – How to configure Active Directory Authentication



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## How to configure Active Directory Authentication within ALM

This How-To guide explains how to configure Active Directory in ALM.

The default behaviour of ALM is that it prompts the user for its Extension Mobility user name and PIN at first use.

However, if your CallManager is configured to accept the Windows login name as the user id, then ALM can automatically login the user's phone without the need to enter a username or PIN. This document applies to to ALM v4 and up.

To support lower versions, please contact <a href="mailto:support@rsconnect.net">support@rsconnect.net</a>



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## **Required CUCM confguration**

The First step is to configure one generic Application User in CUCM with permissions to 3rd party applications (ALM) to login Extension Mobility:

- a) Login to the CCM admin page
- b) Open User Management/Application User

| CISCO Cisco Unified CM Administration<br>For Cisco Unified Communications Solutions  | Na<br>administrate                      |
|--|---|
| ystem 👻 Call Routing 👻 Media Resources 👻 Advanced Features 👻 Device 👻 Application 👻  | User Management 👻 Bulk Administration 👻 |
|  | Application User                        |
|  | End User                                |
|  | User/Phone Add                          |
| Cisco Unified CM Administration  | SIP Realm                               |
| System version: 9.1.2.10000-28   | User Settings                           |
| Click Add new user   |   |
| CISCO Cisco Unified CM Administration<br>For Cisco Unified Communications Solutions  | N.<br>administrat                       |
| System - Call Routing - Media Resources - Advanced Features - Device - Application - | User Management 👻 Bulk Administration 👻 |
| Find and List Application Users  |   |
| Add New  |   |
| Application User   |   |
| Find Application User where User ID begins with 👻 Find C                             | Clear Filter                            |
| No active query. Please enter your se  | earch criteria using the options above. |
| Add New  |   |

d) Create a User ID and an App Password and add the user to the "Standard EM Authentication Proxy rights" group. Remember the chosen user ID and App password for step 2.

| Application Username | almappuser |
|----------------------|------------|
| Appliation Password  |            |



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| Cisco Uni   | fied CM Administration               |                 |                           | Nav<br>administrato   |
|---|--------------------------------------|-----------------|---------------------------|-----------------------|
| System 👻 Call Routing 👻 Me                                  | edia Resources 👻 Advanced Features 👻 | Device 👻 Applic | ation 👻 User Management 👻 | Bulk Administration 👻 |
| Application User Configu                                    | ration                               |                 |                           | I                     |
| Save 🗙 Delete 🗋   | Copy 🕂 Add New                       |                 |                           |                       |
| -Status   |                                      |                 |                           |                       |
| i Status: Ready   |                                      |                 |                           |                       |
| -Application User Informa                                   | ation                                |                 |                           |                       |
| User ID*  | almappuser                           |                 | Edit Credential           |                       |
| Password  | •••••                                |                 |                           |                       |
| Confirm Password  |                                      |                 |                           |                       |
| Digest Credentials  | 5                                    |                 |                           |                       |
| Confirm Digest Credentials                                  |                                      |                 | í                         |                       |
| BLF Presence Group*   | Standard Presence group              | -               |                           |                       |
| Accept Presence Subscr                                      | iption                               |                 |                           |                       |
| Accept Out-of-dialog RE                                     | FFR                                  |                 |                           |                       |
| Accept Unsolicited Notifi                                   | cation                               |                 |                           |                       |
| Accept Peoleces Header                                      |                                      |                 |                           |                       |
|   |                                      |                 |                           |                       |
| Add the AppUser to the                                      | "Standard EM Authentication Pi       | oxy Rights" Acc | cess Control Group        |                       |
| Find and List Access Control Grou                           | ps                                   | _               |                           |                       |
| Select All Clear All Add                                    | Selected Close                       |                 |                           |                       |
| Standard CCM Server Monito                                  | ring                                 |                 |                           |                       |
| Standard CTI Allow Call Moni                                | itoring                              |                 |                           |                       |
| Standard CTI Allow Call Park                                | : Monitoring                         |                 |                           |                       |
| Standard CTI Allow Call Reco                                | ording                               |                 |                           |                       |
| Standard CTI Allow Calling N                                | umber Modification                   |                 |                           |                       |
| Standard CTI Allow Control of Standard CTI Allow Control of | It All Devices                       |                 |                           |                       |
| Standard CTI Allow Control of                               | of Phones supporting Rollover Mode   |                 |                           |                       |
| Standard CTI Allow Reception                                | n of SRTP Key Material               |                 |                           |                       |
| Standard CTI Enabled  |                                      |                 |                           |                       |
| Standard CTI Secure Connec                                  | tion                                 |                 |                           |                       |
| Standard Packet Sniffer User                                | s                                    |                 |                           |                       |
| Standard RealtimeAndTraceC                                  | -<br>Collection                      |                 |                           |                       |
| Standard TabSync User                                       |                                      |                 |                           |                       |
| Select All Clear All Add Select                             | ected Close                          |                 |                           |                       |
| -Permissions Informatio                                     | on                                   |                 |                           |                       |
| Groups Standard FM Auth                                     | entication Proxy Rights              |                 |                           |                       |
|   |                                      |                 | Add to Access Control Gr  | oup                   |
|   |                                      |                 | Remove from Access Con    | trol Group            |
|   |                                      | /iew Details    |                           |                       |
| Roles Standard EM Aut                                       | nentication Proxy Rights             | <b>^</b>        |                           |                       |
|   |                                      |                 |                           |                       |
|   |                                      | View Details    |                           |                       |
|   |                                      | The second      |                           |                       |

- Save Delete

Add New

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The second step is to configure the ALM client to user the created App user from step 1.

- a) Open ALM (double click ALM icon in the system tray)
- b) Click on Options/Admin settings (If this option is disabled, then make sure you run ALM as administrator, even if you already have administrator permissions.
- c) Enter the app user ID and app password created in step 1d

| ALM - Admin Settings                        |        |                               |          |
|---|--------|-------------------------------|----------|
| Connection                                  |        | User interface                |          |
| Skip these devices during detection:        |        | Language:                     |          |
| Skip VMWare NIC                             |        | English                       | <b></b>  |
| Skip WiFi NIC                               |        | Override CCM user page (url): |          |
| Skip Cisco IP Communicator                  | _      | http://                       |          |
| Skip VPN devices                            |        | Active Directory              | n        |
| ✓ Use IE connection settings                |        | App User:                     | ****     |
| ✓ Enable logging                            |        | App Password:                 | ****     |
| ✓ Log details                               | L      |                               |          |
| Log file location:                          |        | Allow users to change basic   | settings |
| My Documents 🔹                              |        |                               |          |
| Detection                                   |        | Detection results on main so  | reen     |
| Detection method:<br>Linked to mapping file |        | CallManager Express           |          |
| Location mapping file (.csv)                |        | CME User:                     | ****     |
| c:\program files\alm - automatic login m    |        | CME Password:                 | ****     |
|   |        | CUPS                          |          |
|   |        | Enable CUPS integration       |          |
|   |        | CUPS server (url)             |          |
| Default CallManager protocol                | [L.u.] | wahtercer                     |          |
|   | http 🔻 | App User:                     | ****     |
| Ping time-out (milliseconds):               | 1000   | App Password:                 | ****     |
| Ping retry (count):                         | 6      | Enable MOC integration        |          |
| Ping interval (milliseconds):               | 2000   |                               |          |
| Export                                      |        | Save                          | Cancel   |

- d) Click Save
- e) Within ALM click on Options/Change credentials
- f) It should display your Windows login name and disabled PIN and Save button as listed below:

| User Authentic                  | cation                      |   |
|---------------------------------|-----------------------------|---|
| Your credentia<br>Directory and | als are read<br>cannot be d | from Active<br>hanged manually.               |
|                                 |                             |   |
|                                 |                             | S   |
| User ID:                        |                             | <windows username=""></windows>               |
| User ID:<br>PIN:                |                             | <windowsusernames< td=""></windowsusernames<> |



#### **Ordering Information**

Please send your quotation requests to sales@rsconnect.net along with the number of licenses you require.

1 license is required for 1 PC/Phone combination, the license is not user or phone based. If two employees use 1 computer in combination with 1 IP Phone you will require 1 license.

### **Additional Information**

For any additional information please contact or visit:

- United Kingdom: +44 203 608 8259
- Other countries: +31 88 1221 800
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