

Cisco AXL available synch logics

Applies to

UC Suite for Cisco UC Winter 2013 and above

Description

Imagicle UC Suite includes a specific setting which dictates the logic to detect users and devices while querying CUCM through AXL.

Default Legacy User Logic

This is the default setting, which supports:

- **Multiple** CUCM clusters environment
- Phone devices configuration retrieval, by just using the data included into *IPDevices* table (periodically populated by "Imagicle AXL Client" service).
- Inherits all limitations of basic AXL Client:
 - ◆ retrieves data about currently registered devices associated to CUCM end-users
 - ◆ retrieves just one line (DN) per device (first one)
 - ◆ does not retrieve line Partitions

To identify UCS users owning a device, it leverages a legacy logic based on users' table lookup, correlating MAC address and Primary Extension, following the rules included into *Speedy.defaults* (or .ini) setting file.

Complex (and most recent) User Logic

How to enable it (UC Suite 2021.Summer.1 and older)

To enable most recent user logic, please follow below procedure:

1. Connect to IAS server through a RDP session
2. Edit the following file: C:\Program Files (x86)\StonevoiceAS\Apps\ApplicationSuite\Settings**ApplicationSuite.ini**
3. Add the following line under [Setting] statement:

```
Phone.LegacyUserLogic=0
```

4. Save file
5. Restart "Imagicle Service Host" from Windows Services control panel

Starting from Imagicle 2022.Winter.1 release, this setting is applied by default.

Note: Please make sure that Primary CUCM node, entered in System Parameters, does have Extension Mobility service enabled and running.

Advantages of this user logic

Complex User logic supports:

- **Single** CUCM cluster
- Comprehensive phone devices configuration retrieval, including all associated DNs and relevant Partitions, by directly querying CUCM web services (both AXL API and Extension Mobility API), thus quickly revealing device updates.
- All available phone devices data retrieval from CUCM (even if not currently registered), excluding those models listed in this setting file: C:\Program Files (x86)\StonevoiceAS\Apps\ApplicationSuite\Settings**ApplicationSuite.ini**

imagicle

- Correlation between users and associated devices by using a complex logic, involving multiple AXL queries. In any case, only first line (DN) of each device is taken into account.
- Device IP addresses retrieval from *IPDevices* table

To summarize: complex logic retrieves mode data, but sometimes it might be slower than legacy one.