

**Cisco Phone User Login-Logout MIS  
Application software**

**For**

**Cisco CUCM**

**PARSEC Telesystems Private Limited**

U & I Corporate Centre,  
Plot No.47, Sector 32, Gurgaon,  
Haryana – 122 001, India  
Web: [www.PARSEC-tech.com](http://www.PARSEC-tech.com)

## Solution Overview

Many organizations struggle to manage and optimize their voice infrastructures actual requirement compared to the devices already deployed.

A simple requirement is that management needs to analyze the need of optimum number of Cisco IP Phones deployed for users in the enterprise. Callers report that often they do not reach a human on trying to contact the organization.

The enterprise management may have the feeling that some staff are not logging into the phone system to avoid calls.

To have an answer to all the above a MIS system if present can help the management to analyse the situation.

Hence the requirement of an MIS system for which gives the below information

- 1) Historical reporting for individual user EM login
  - 2) Historical reporting for individual user EM logout
  - 3) Historical reporting for individual time logged in
- PARSEC's "**User EM based Login Logout MIS ( ELLM in short )**" application for Cisco CUCM will catch the user's Extension Mobility login/logout actions and dump the information into the application database

MIS Reports	Remarks
User login duration summary	The application will also provide a summary report of all users -Total Login duration date wise - Current status of user ( Logged In/Logged Out)
Historical reporting for individual user EM login	For selected user : Application will list out every successful login (login time) to user's Cisco IP Phone using Extension Mobility feature
	For the selected user: The application will list out every successful manual logout (logout time) from User's phone using Extension Mobility feature
	For selected user: Application will list out total logged in time in user's phone using Extension Mobility feature.
	For selected user: Application will list out the Device Name on which he was logged in

	For selected user: Application will list out the Device Type on which he was logged in
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- PARSEC's **ELLM** application will be a windows based application
- PARSEC's **ELLM** application will be deployed in an independent windows based server which will integrate with the enterprise Cisco CUCM
- Application related administration will be done by the application administrator using ELLM Application web based interface.
- MS SQL 2012 database to be used for the application
- The user login & logout actions (Extension mobility users) in Cisco IP Phones for CUCM will be captured and dumped into application Db
- Device name on which the user had logged in will be dumped into application Db
- Device type on which the user had logged in will be dumped into application Db
- The enterprise CUCM is assumed to be synchronized with LDAP
- The user information will be imported by the application DB-Import module into application database from CUCM EndUser table
- Application administrator will be able to view reports for all users using application web based interface
- The user login/logout historical report can be downloaded in CSV file format

## System Requirements

PARSEC's application will reside in an independent windows based server to be provided by customer

The application server should be in the same enterprise network in which the CUCM & Cisco IP Phones are present.

### Application server configuration

One application server will be required for each cluster

Intel Xeon Quad Core 2.3 +

RAM: 8 GB+, HDD: 70 GB+

OS: Windows Server Standard 2016 64 Bit

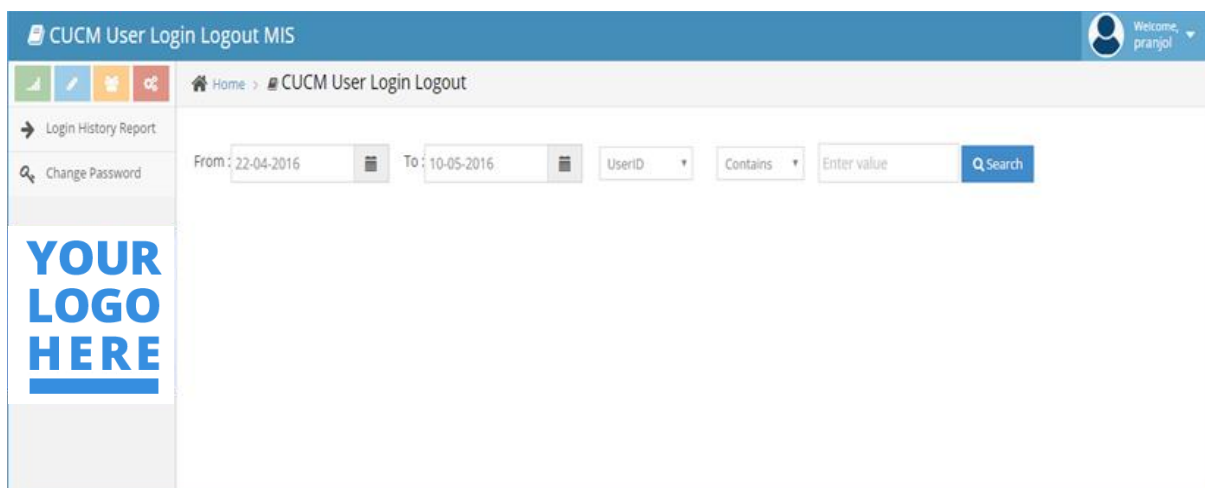
VMware supported- VMware ESXI 5.5

Other Software: JAVA JRE 1.8, Tomcat 8.x

Database: MS SQL 2012 (*MS SQL Software & License has to be provided by customer. Customer to provide a preinstalled instance of MS SQL Server to PARSEC team at the time application commissioning*)

Sl. No.	Support for
1	Cisco IP Phones 7861, 7940, 7941, 7942G, 7945, 7960, 7961, 7962, 797x, 89xx, 99xx, DX650, IP Communicator.  For other phone models please contact Parsec.
2	Cisco Jabber Windows Client v 11.2/11.5/11.9
3	CUCM : 10.x,11.x,12x

## Application Web Interfaces



CUCM User Login Logout MIS Welcome, pranjol

Home > Login History Report

Login History Report (22-04-2016 - 25-06-2016) Edit Search Export to CSV

Date	User Id	User Name	Login Duration	Manager	Department	Building	Status
22-04-2016	ami	Amit Kumar Dhimar	67:09:40	pranjol.s	IT	-	Logged-Out
22-04-2016	bt1	BT and UK	69:35:42	ami	test	-	Logged-Out
22-04-2016	umesh	Umesh Chaurasia1	04:43:05	ajoy.d	UC	-	Logged-Out
25-04-2016	ami	Amit Kumar Dhimar	78:43:25	pranjol.s	IT	-	Logged-Out
25-04-2016	bt1	BT and UK	05:02:08	ami	test	-	Logged-Out
25-04-2016	pranjol	Pranjol Saikia1	00:41:52	-	-	-	Logged-Out
25-04-2016	sunil	-	79:02:22	ami	Developer	-	Logged-Out
25-04-2016	umesh	Umesh Chaurasia1	78:42:49	ajoy.d	UC	-	Logged-Out
28-04-2016	sunil	-	89:27:21	ami	Developer	-	Logged-Out

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Home > User Login Logout History Report

User Login Logout History Report (22-04-2016 - 10-05-2016) Edit Search Export to CSV

UserID : bt1      UserName : BT and UK      Manager : ami      Date : 25-04-2016

Login Date Time	Logout Date Time	Login Duration	Device Name	Device Type	Remarks
2016-04-25 10:15:00.773	2016-04-25 10:27:15.68	00:12:15	SEPBC16F517E54C	Cisco DX650	[LoginDateTime At App Start][LogoutC
2016-04-25 10:30:08.16	2016-04-25 10:31:08.477	00:01:00	SEPBC16F517E54C	Cisco DX650	[LoginDateTime Updated On Login Or
2016-04-25 10:32:38.01	2016-04-25 10:33:21.14	00:00:43	SEPBC16F517E54C	Cisco DX650	[LoginDateTime Updated On Login Or
2016-04-25 10:36:00.92	2016-04-25 13:12:09.533	02:36:09	SEP3C5EC30CFE30	Cisco 8841	[LoginDateTime Updated On Login Or
2016-04-25 13:12:12.097	2016-04-25 15:24:13.467	02:12:01	SEP3C5EC30CFE30	Cisco 8841	[LoginDateTime At App Start][LogoutC