

Configure CUCM to Provide Screensaver Capabilities to IP Phones

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Introduction

This document describes how to implement screensaver capabilities on Cisco Internet Protocol (IP) phones.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Configure a web server to provide XML files and images to the phones.
- IP connectivity to the phone for access from the phone to the web server.

Components Used

The information in this document is based on these software and hardware versions:

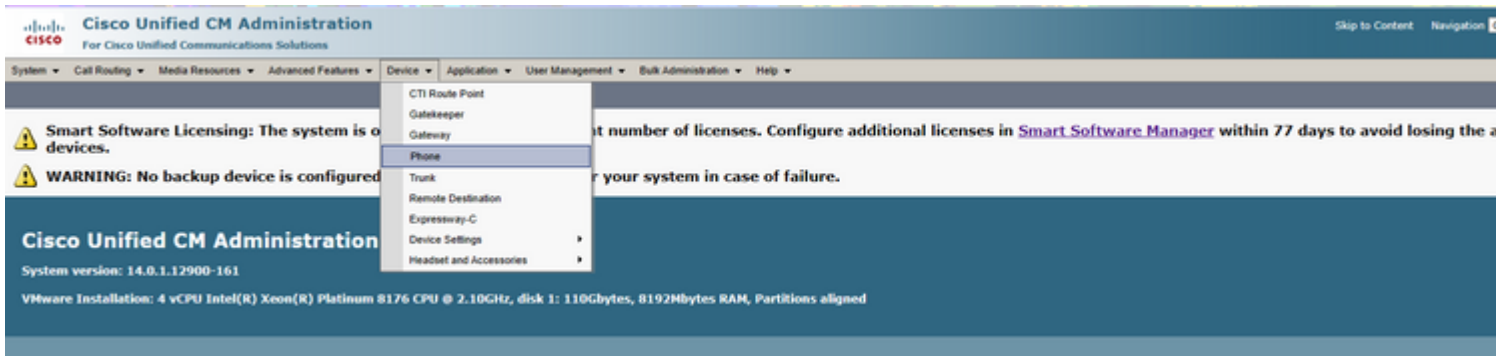
- CUCM version 14.0.1.12900-161.
- Microsoft Internet Information Services (IIS) configured on a Windows server 2016.
- In this example, a Cisco IP Communicator softphone is used; however, the screensaver feature is available on other phone models.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Configure

Configurations

Step 1. In the CUCM administration page, go to device and then phone and select the IP phone intended to be modified.



Step 2. Populate the Idle field with the URL to be used by the phone to reach out to the external web server for eXtensible Markup Language (XML) instructions.

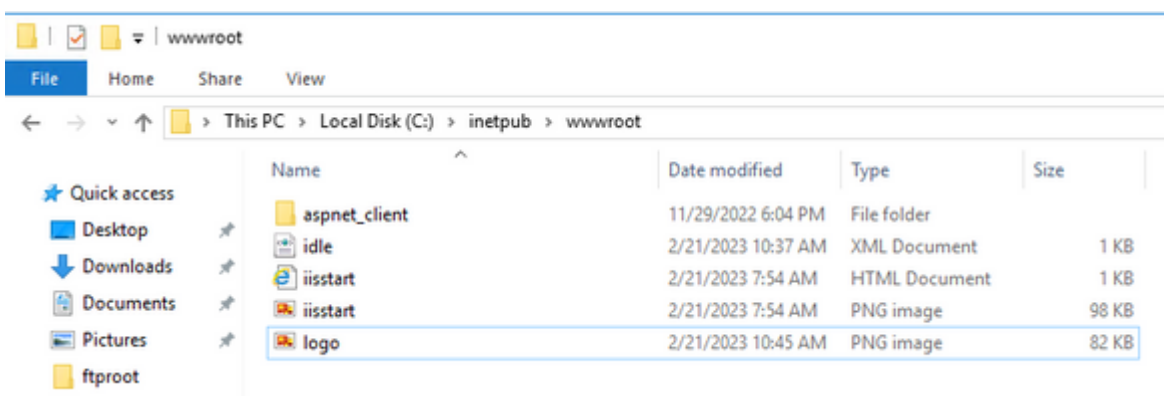
External Data Locations Information (Leave blank to use default)

Information	<input type="text"/>
Directory	<input type="text"/>
Messages	<input type="text"/>
Services	<input type="text"/>
Authentication Server	<input type="text"/>
Proxy Server	<input type="text"/>
Idle	<input type="text" value="http://webserver.cisco.com/idle.xml"/>
Idle Timer (seconds)	<input type="text" value="10"/>
Secure Authentication URL	<input type="text"/>
Secure Directory URL	<input type="text"/>
Secure Idle URL	<input type="text"/>
Secure Information URL	<input type="text"/>
Secure Messages URL	<input type="text"/>
Secure Services URL	<input type="text"/>

Step 3. Create an XML file with the URL to be used to fetch the image from:

```
<CiscoIPPhoneImageFile>
  <Title> </Title>
  <Prompt> </Prompt>
  <URL>http://webserver.cisco.com/logo.png </URL>
</CiscoIPPhoneImageFile>
```

Step 4. Upload the XML file and the image to the web server for IP phones to be able to fetch it.



Verify

Leave the IP phone idle until the idle timer is reached and check in the IP phone screen if the desired image is displayed as screensaver:



Troubleshoot

Perform a packet capture and confirm that:

- The IP phone is able to reach the web server.
- The web server is able to provide the XML file to the IP phone.
- The IP phone is able to request the image file to be displayed as screensaver.
- The file is provided by the web server in the expected resolution.

No.	Time	Source	Destination	Protocol	Length	Info
4	2023-02-22 08:16:08.741371	10.61.78.239	10.48.53.249	HTTP	422	GET /idle.xml?locale=English_U
6	2023-02-22 08:16:08.886146	10.48.53.249	10.61.78.239	HTTP/XML	409	HTTP/1.1 200 OK
7	2023-02-22 08:16:08.901669	10.61.78.239	10.48.53.249	HTTP	372	GET /logo.png HTTP/1.1
81	2023-02-22 08:16:09.092215	10.48.53.249	10.61.78.239	HTTP	912	HTTP/1.1 200 OK (PNG)