Cisco IP Phone Services Software Development Kit (SDK)

SDK Overview

The Cisco IP Phone Services Software Development Kit (SDK) contains everything that you require to create XML applications, including necessary documentation and sample applications. Contact Cisco DevNet to obtain the SDK at:

https://developer.cisco.com/site/ip-phone-services/documentation/

Note   The Cisco Unified IP Phones 7970G and 7971G-GE, and the Cisco Unified Wireless IP Phone 7921G are deprecated with Cisco Unified Communications Manager 12.0(1) and later. The phones still work on previous versions of Cisco Unified Communications Manager.

The Cisco Unified IP Phones 7902, 7905, 7910, and 7912, and the Cisco Unified Wireless IP Phone 7920 are deprecated with Cisco Unified Communications Manager 11.5(1) and later. The phones still work on previous versions of Cisco Unified Communications Manager.

Related Topics

Deprecated Phone Models for Cisco Unified Communications Manager

SDK Components

The SDK contains the following components.

Documentation

- *Cisco IP Services Development Notes* (PDF format)

- *Cisco URL Proxy Guide* (Rich Text Format)

- *Cisco LDAP Programming Guide* (Microsoft Word format)

- *Cisco CIP Image Release Notes* (Microsoft Word format)

- *Cisco IP Applications Samples* (Microsoft Word format)

Development Tools

- Cip.8bi: Adobe Photoshop plug-in that allows .cip extensions to be viewed and saved.

- Cip2Gif.exe: DOS-based program that converts .cip files to .gif.

- Gif2Cip.exe: DOS-based program that converts .gif files to .cip.

- ImageViewer.exe: Windows application that displays .cip graphic files.

- Cisco CIPImage: used for converting images to and from CIP images (automatically installed)

- Cisco URL Proxy: Proxy server that is needed to use the sample services (automatically installed).

- Cisco LDAP Search: Service that is installed to do LDAP searches (automatically installed).

- Microsoft XML Parser (MXSML) 3.0: Used for parsing XML data (automatically installed)

- Cisco Unified IP Phone Services ASP/Javascript Library (automatically installed)

- Cisco Unified IP Phone Services Java Library: Used by the JSP apps (manually installed; see *JSP Install* readme)

- CallManager Simulator: Used for developing Phone Services without a Cisco Unified Communications Manager server

- Cisco Unified IP Phone XML Schema (.xsd) file: Used with an XML editor to validate XML syntax

Sample Services

- Weather forecast lookup for any city (ASP)

- Currency Exchange Rates and Converter (ASP)

- UPS Rates & tracking (ASP)

- World Clock (ASP)

- Measurement conversions (ASP)

- US White pages/Yellow Pages search (ASP)

- Calendar (ASP)

- Stock Ticker (ASP)

- Stock Chart (ASP)

- Push2Phone (ASP and JSP)

- Click2Dial (ASP and JSP)

- IdleURL (ASP) - Not supported on Cisco Unified IP Phones 7905G and 7912G

- MConference (JSP)

- Hootie (ASP)

- InterCom (ASP)

- JPEGViewer (ASP)

- Logo (ASP)

- Clock (ASP)

- Personal Service (ASP)

- WaterMark (ASP)

- Extension Mobility Controller (JSP)

- Speed Dials (JSP)

- Group MWI (JSP)

- AutoDialer (JSP)

- PhotoDirectory (JSP)

- CallerInfo (JSP)

- PushAuthenticate (ASP)

- ScreenShot (ASP)

- Integrating RS-232 devices with IP Telephony Applications (OtherApps)

- PNGViewer (ASP)

- Keyboard (ASP)

- MultiDirectory (ASP)

- Phone Push Step and Subsystem (Cisco Unified Contact Center Express / CRS)

Sample Services Requirements

The following list contains the items that are required for the sample services to work properly:

- Microsoft IIS 4.0 or later (for ASP sample services)

- Sun J2SE 1.4.2 or later and Tomcat 4.0 or later (for JSP sample services)

- Internet Connection to external websites like Yahoo.com, Cnn.com etc.

- Cisco Unified Communications Manager 4.1(2) or later.

- Cisco Unified IP Phones that supports XML services

The setup program installs a CiscoServices web project to c:\CiscoIpServices directory. The sample services are copied to c:\CiscoIpServices\Services subdirectory, and IIS and WSH example codes are provided. The web server already senses these services and you do not require further administration. You can view or edit

all the source code with any text editor. For additional documentation, go to this directory: c:\CiscoIpServices\Documentation. Find tools to help develop services in c:\CiscoIpServices\Tools.