Supported IOS Software Features for Cisco AS5400 and Cisco AS5350 Universal Gateways on Cisco IOS Release 12.2(2)XA

Feature History

Release	Modification
12.2(2)XA	These features were implemented for the Cisco AS5400 and Cisco AS5350 universal gateways.

This document includes the following sections:

Feature Overview

The Cisco IOS software features supported on the Cisco AS5400 and Cisco AS5350 universal gateways in Cisco IOS Release 12.2(2)XA are listed in the section following. These features have been previously released on other Cisco access servers and high-availability platforms. Therefore the individual platform name may not be referenced for the universal gateways. Other differences may exist for the various platforms that are documented. For example, the universal gateways use SPE software and do not use VCWare. Please note the following discrepancies when referencing the feature documentation:

- The AS5400 does not support the MICA Technologies modem card, Metrocom modem card, or VoIP feature card. Voice and modem functions are provided by the universal port dial feature card running SPE firmware. See the *Cisco AS5400 Card Installation Guide* for more information.

- All references to the Cisco AS5300 in these documents apply to the Cisco AS5400 and Cisco AS5350 platforms with the following exceptions:

  - Use the dial feature card (DFC) instead of voice feature cards (VFCs).

  - Use SPE firmware instead of portware or VCWare.

  - Run Cisco IOS release software, for VoIP functionality, that is compatible with the recommended Cisco IOS version software in your platform software configuration guide.

Supported IOS Features

The Cisco IOS software features being supported in this release are:

Call Admission Control for H.323 VoIP Gateways

Call Admission Control for H.323 VoIP Gateways

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122limit/122x/122xa/
122xa_2/ft_pfavb.htm

H.323 Scalability and Interoperability Enhancements

Cisco H.323 Scalability and Interoperability Enhancements

http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122newft/122limit/122x/122xa/
122xa_2/ft323sca.htm

ISDN/SIP/CAS Internetworking

Interworking Signaling Enhancements for H.323 and SIP VoIP

http://www.cisco.com/univercd/cc/td/doc/product/software/ios121/121newft/121t/121t5/dt4t323.ht
m

SIP Gateway

– *Configuring Session Initiation Protocol for Voice Over IP*
http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122cgcr/fvvfax_c/vvfsip.ht
m

– *Session Initiation Protocol for Voice over IP on Cisco Access Platforms*
http://www.cisco.com/univercd/cc/td/doc/product/software/ios121/121newft/121t/121t1/0251c
lmb.htm

– *Enhancements to the Session Initiation Protocol for VoIP on Cisco Access Platforms*
*http://www.cisco.com/univercd/cc/td/doc/product/software/ios121/121newft/121t/121t3/dtsipg
v2.htm*

SIP Gateway Support for Third Party Call Control

SIP Gateway Support for Third Party Call Control

http://www.cisco.com/univercd/cc/td/doc/product/software/ios121/121rel/sipcfs/caribou.htm#xtoci
d33510

SIP User Agent MIB

To obtain lists of supported MIBs by platform and Cisco IOS release, and to download MIB
modules, go to the Cisco MIB web site on cisco.com at:

http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml

Related Features and Technologies

- Cisco IOS dial technologies
- Cisco VoIP

Related Documents

For further information about managing port services with universal port DFC, see the following documents that ship with your Cisco AS5350 or Cisco AS5400. These documents are also available online and on the documentation CD.

- *Cisco AS5400 Universal Gateway Chassis Installation Guide*
- *Cisco AS5400 Universal Gateway Card Installation Guide*
- *Cisco AS5400 Hardware/Cisco IOS Software Compatibility Matrix*
- *Cisco AS5400 Universal Gateway Regulatory Compliance and Safety Information*
- *Cisco AS5350 Universal Gateway Chassis Installation Guide*
- *Cisco AS5350 Universal Gateway Card Installation Guide*
- *Cisco AS5350 and Cisco AS5400 Universal Gateway Software Configuration Guide*
- *Cisco AS5350 Universal Gateway Regulatory Compliance and Safety Information*
- *Cisco IOS Release 12.2 Configuration Guides and Command References*
  http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122cgcr/index.htm
- *Cisco IOS Voice, Video, and Fax Configuration Guide, Release 12.2*
  http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/122cgcr/fvvfax_c/index.htm
- *Monitoring Voice and Fax Services on the Cisco AS5350 and Cisco AS5400 Universal Gateways*
  http://www.cisco.com/univercd/cc/td/doc/product/software/ios121/121newft/121limit/121x/121xm/121xm_5/index.htm

Supported Platforms

- Cisco AS5400 universal gateway
- Cisco AS5350 universal gateway

Platform Support Through Feature Navigator

Cisco IOS software is packaged in feature sets that support specific platforms. To get updated information regarding platform support for this feature, access Feature Navigator. Feature Navigator dynamically updates the list of supported platforms as new platform support is added for the feature.

Feature Navigator is a web-based tool that enables you to quickly determine which Cisco IOS software images support a specific set of features and which features are supported in a specific Cisco IOS image.

To access Feature Navigator, you must have an account on Cisco.com. If you have forgotten or lost your account information, e-mail the Contact Database Administration group at cdbadmin@cisco.com. If you want to establish an account on Cisco.com, go to http://www.cisco.com/register and follow the directions to establish an account.

Feature Navigator is updated when major Cisco IOS software releases and technology releases occur. As of May 2001, Feature Navigator supports M, T, E, S, and ST releases. After logging into the CCO site, you can access Feature Navigator at: http://www.cisco.com/cgi-bin/Support/FeatureNav/FN.pl.

Supported Standards, MIBs, and RFCs

Standards

Please refer to the individual feature documents for supported standards.

MIBS

No new or modified MIBs are supported by this feature.

To obtain lists of supported MIBs by platform and Cisco IOS release, and to download MIB modules, go to the Cisco MIB website on Cisco.com at the following URL:

http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml

RFCs

No new or modified RFCs are supported by this feature.

Restrictions

The following Codecs are supported for SIP on the Cisco AS54000 and AS5350 platforms:

- G.711alaw
- G.711ulaw,
- G.723r63
- G.729r8

Prerequisites

- Establish a working IP network. For information about configuring IP, refer to the "IP Overview," "Configuring IP Addressing," and "Configuring IP Services" chapters in the *Cisco IOS Release 12.2 Network Protocols Configuration Guide, Part 1* publication available on the World Wide Web from the Cisco home page.
- Cisco IOS Release 12.1(5)XM2 or later release for the Cisco AS5350 or Cisco AS5400
- 256 MB memory
- Basic configuration of the Cisco AS5350 or Cisco AS5400
- DFC installed

Configuration Tasks

See the individual IOS feature modules, referenced in the Feature Overview, for configuration tasks and example configurations.

Cisco IOS Command Reference

See the individual IOS feature modules referenced in the Feature Overview, for appropriate Cisco IOS commands.