Scopia Video Solutions
Introduction

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Scopia Video Solutions Introduction

Learning Objective Overview

By the end of this learning object, you should be able to:

- Explain the Scopia video solutions features, components, and specifications

Welcome to Scopia: The Industry's Expert in Visual Communications

Scopia is the leading provider of core technologies, products and solutions that enable unified visual communications over
- Internet Protocol
- 3G mobile
- Emerging next generation IMS networks

Notes

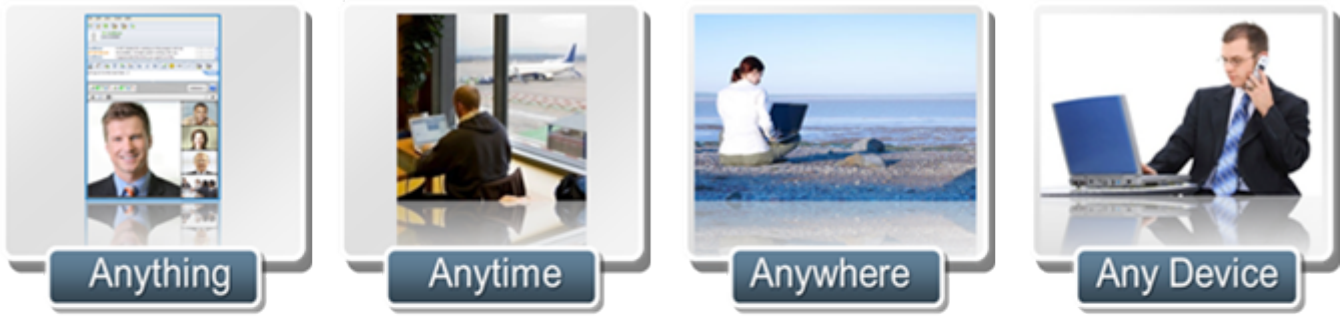
Scopia is the leading provider of core technologies, products and solutions that enable unified visual communications over :
- Internet Protocol
- 3G mobile
- And Emerging next generation IMS networks.

When we think about videoconferencing, we usually think about screens, cameras and microphones. In the videoconferencing industry, these are all called endpoints.

What Scopia does is provide the infrastructure products that allow for multiple videoconferencing units to be able to connect together.

In addition, we provide gateway solutions that allow us to connect to different networks allowing videoconferencing units to connect to telephones.

Scopia Solution



Scopia's mission is to make video a natural part of any electronic interaction

- ✓ Anything
- ✓ Anytime
- ✓ Anywhere
- ✓ And over any device

Notes

Scopia’s mission is to make video a natural part of any electronic interaction :

- anytime
- anywhere
- and over any device

The Scopia® Solution, through the powerful combination of hardware and software, provide the industry’s most comprehensive, robust video platform for visual communication solutions that delivers the scalability and seamless device support organizations need to leverage and protect current standards-based conferencing investments.

Scopia Can Be Deployed in Three Ways

- **Standalone**
  An open architecture for use with many vendors

- **IP Office**
  Small deployments that leverage Avaya IP Office

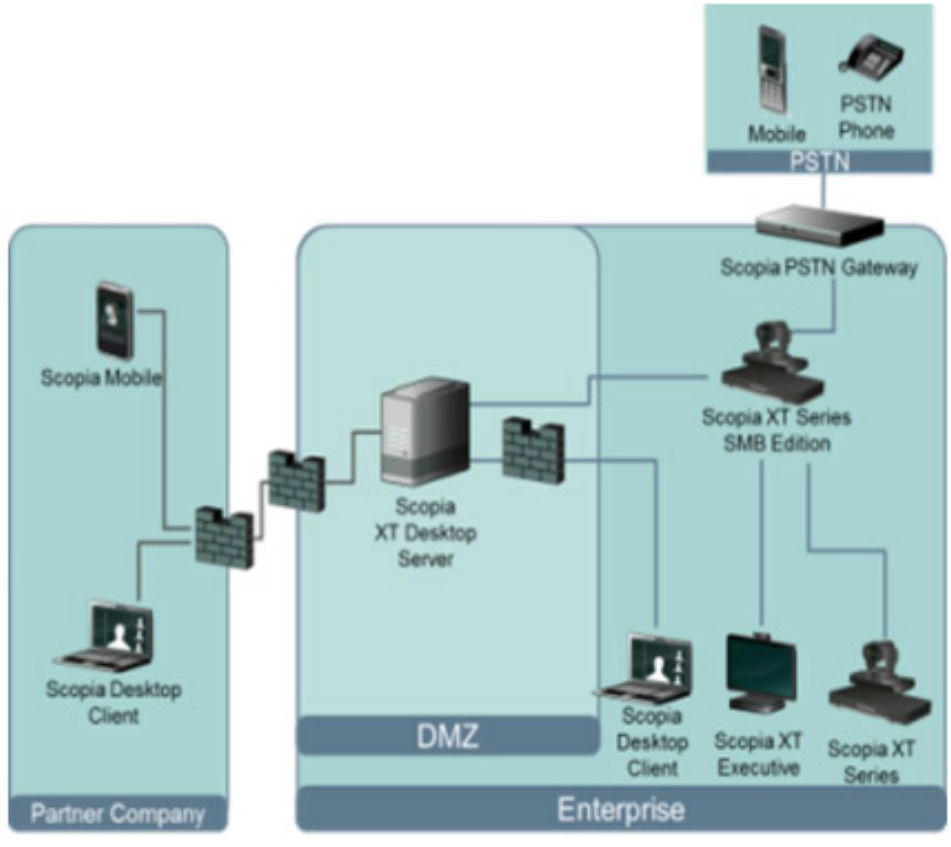
- **Collaboration Suite**
  Midsize to large deployments that are integrated with Avaya Aura

Notes

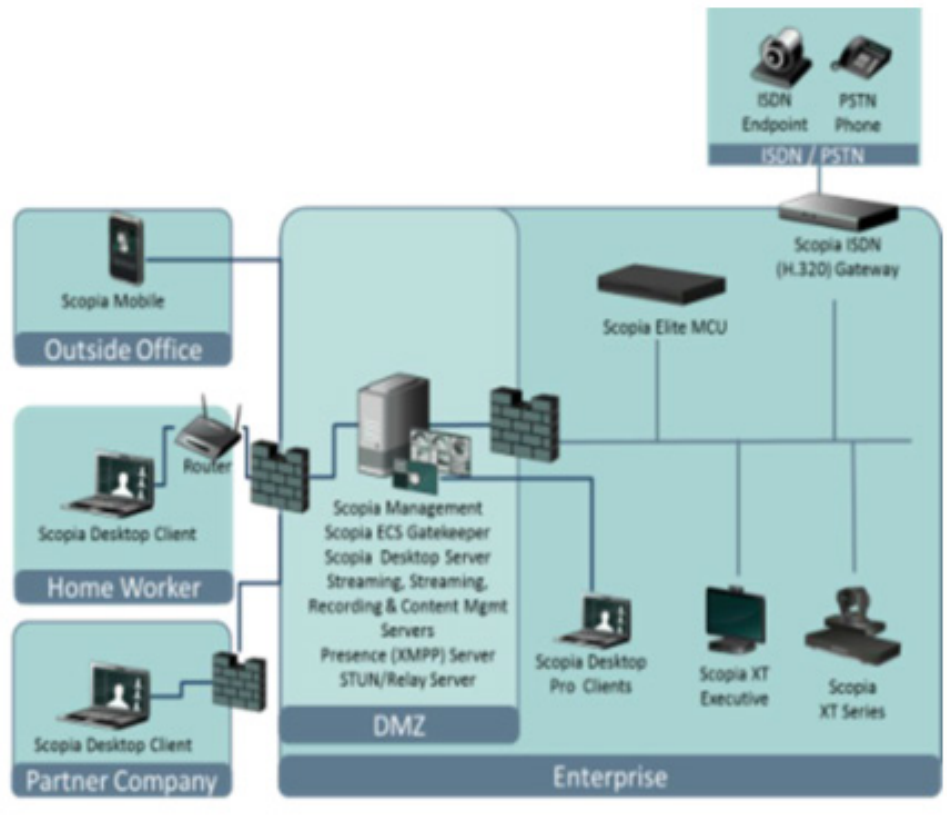
Scopia can be deployed in 3 ways.
Standalone, which is an open architecture for use with many vendors, IP Office, for small deployments that leverage Avaya IP Office and Collaboration Suite, for Midsize to Large deployments that are integrated with Avaya Aura.

Standalone Deployment Options

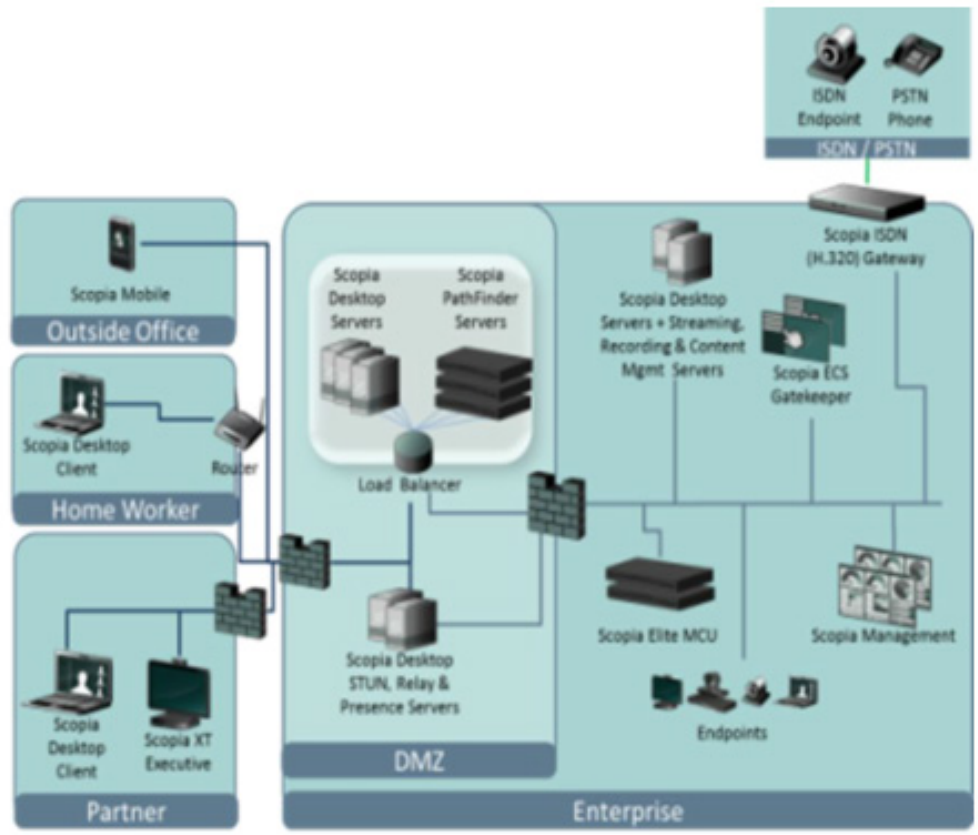
- Small-Medium



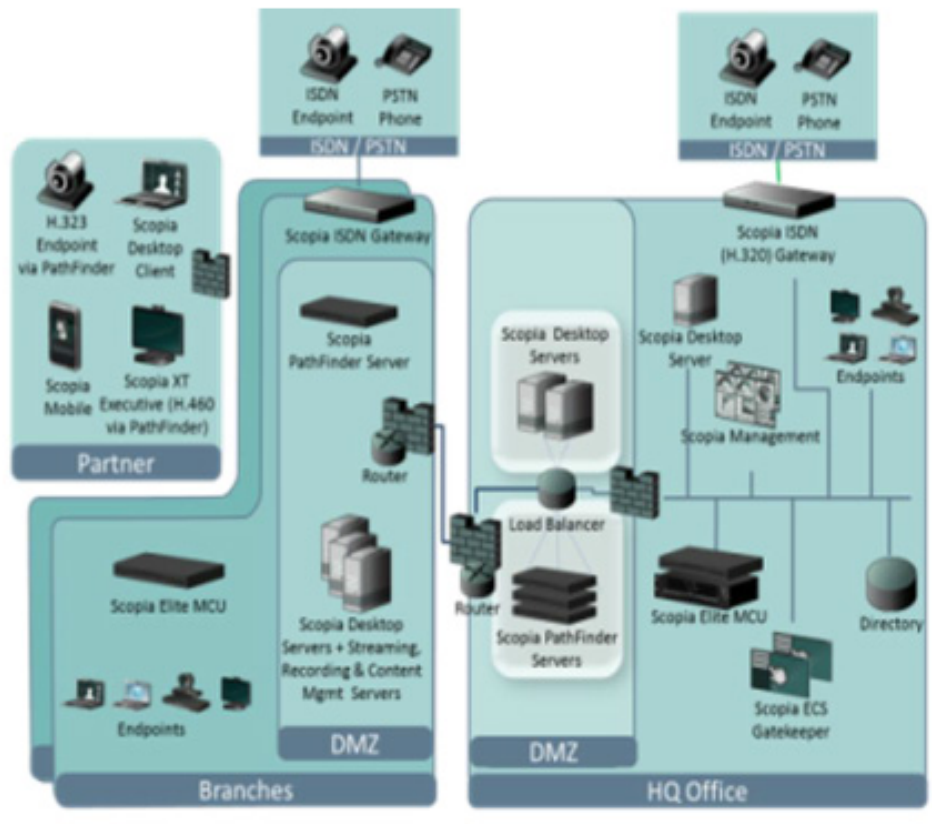
- Centralized



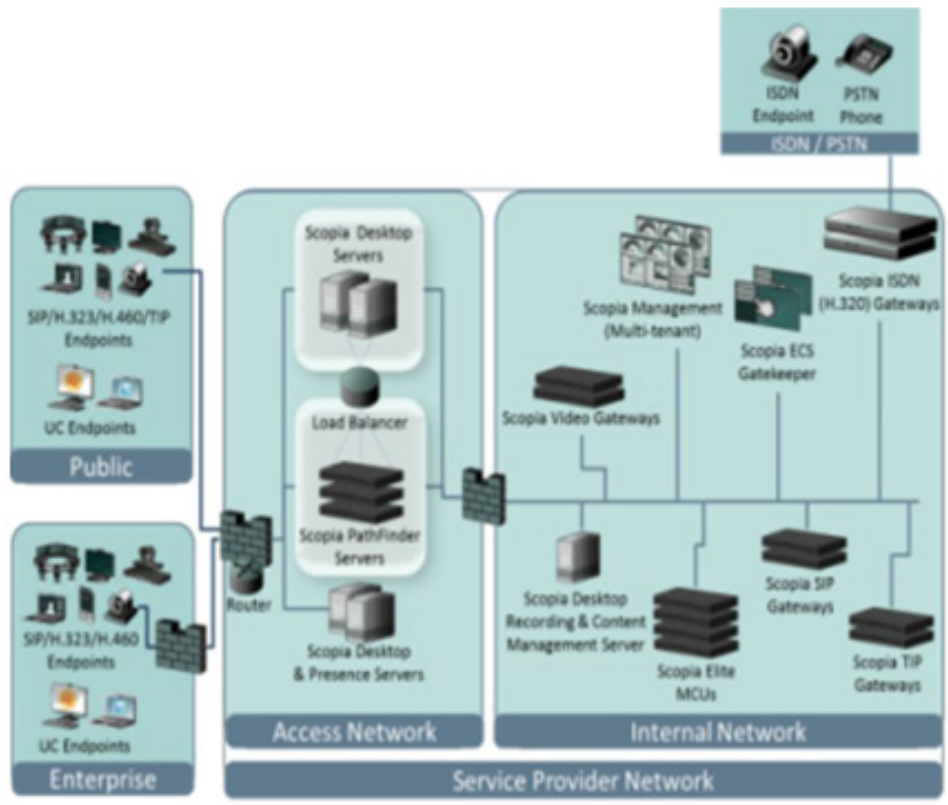
- Large Centralized



- Large Distributed



Video Platform for Cloud Services



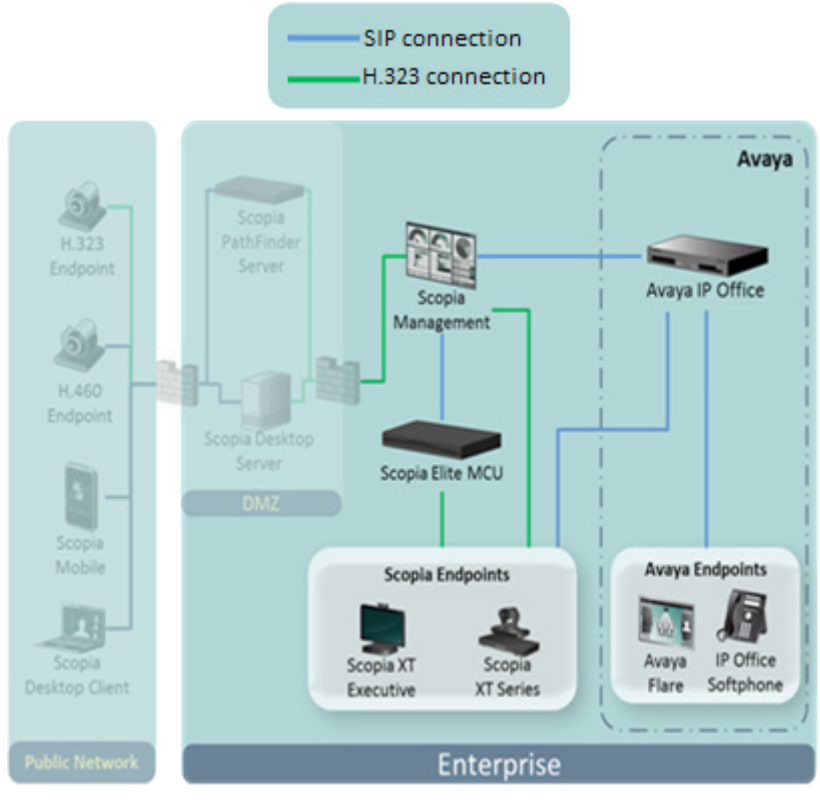
Notes

Standalone deployments can be:

- Small-Medium, providing functionality with simplicity
- Centralized,
- Large Centralized,
- Large Distributed,
- Or a Video Platform for Cloud Services

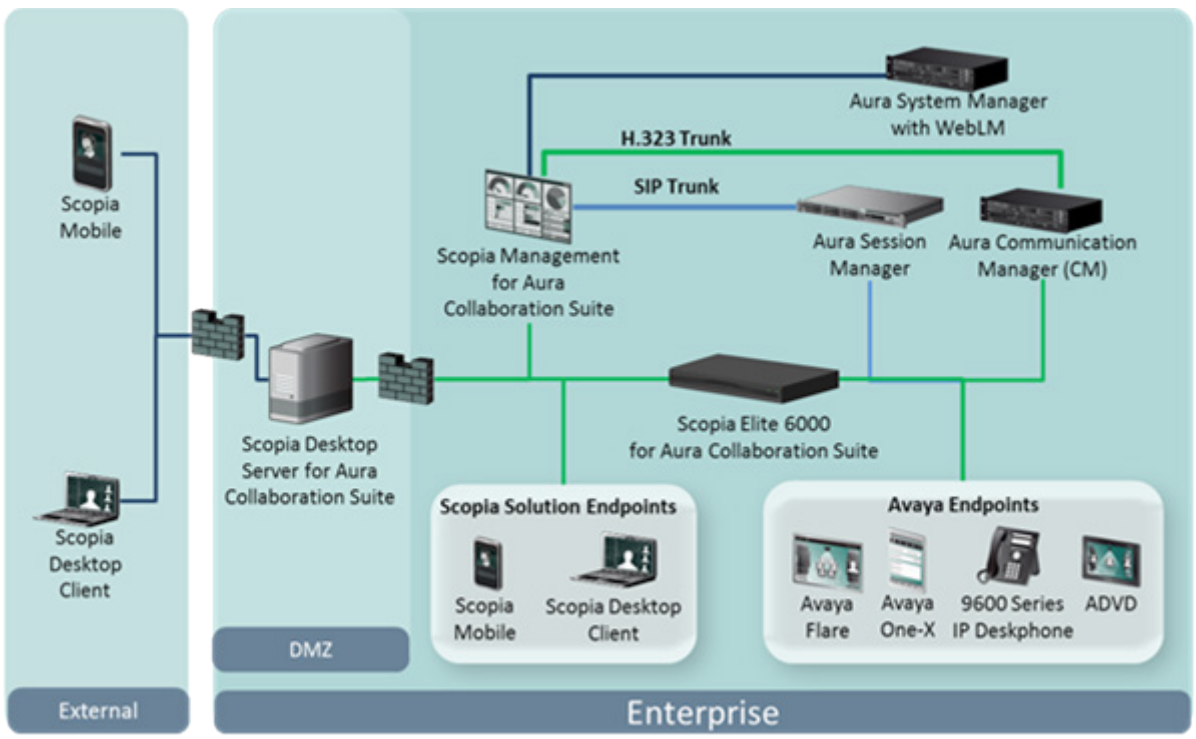
IP Office

- IP Office deployment enables select Scopia products to be integrated with Avaya IP Office



Collaboration Suite

- Collaboration Suite requires Avaya WebLM licenses



Notes

Scopia Collaboration Suite integrates Avaya Aura components with Scopia video conferencing components. Scopia Collaboration Suite requires per user and room system licenses.

Scopia Components

- Scopia MCUs (Multipoint Control Unit)

Elite 5000 and Elite 6000

- Scopia Management, Gatekeeper and Firewall Traversal Servers

Scopia Management and Gatekeeper

Pathfinder Server

Notes

The Scopia Elite MCU uses next generation MCU architecture for high definition multiparty conferencing. Utilizing the latest in Digital Signal Processing technology, Scopia Elite MCU's advanced media processing supports 1080p HD and provides connectivity, dynamic resource allocation, and individual video layouts per participant yielding uncompromised video experience.

Scopia Management offers a comprehensive management solution for video communications where enterprises can efficiently manage a diverse, distributed video conferencing network including endpoints and infrastructure. Scopia Gatekeeper provides standalone address resolution functionality in H.323 networks.

The PathFinder Server solution maintains the security and advantages of firewall and NAT, requires no costly upgrade to the firewall or NAT for protocol awareness, handles both near-end (local) and far end (remote destination) firewall traversal and is easy to implement and deploy.

Scopia Components (Continued)

XT 4000 and XT 5000

XT Telepresence

Notes

Video conferencing endpoints are physical equipment or software that people use to make video connections. Examples are the Scopia XT room systems such as the XT 4000 and XT 5000, XT Telepresence, Scopia Desktop client, Scopia Mobile Client, and Scopia XT Executive Desktop.

Depending on the size of the deployment, an installation may have any or all of these components. Room Systems such as Scopia XT Series and Telepresence are endpoints in a video conferencing deployment that are designed for multiple participants to join a conference simultaneously.

Scopia Components (Continued)

- Scopia Desktop Server and Clients

Scopia Desktop Server

Scopia Desktop and Mobile Client

- Other Scopia endpoints

Scopia XT Executive Desktop

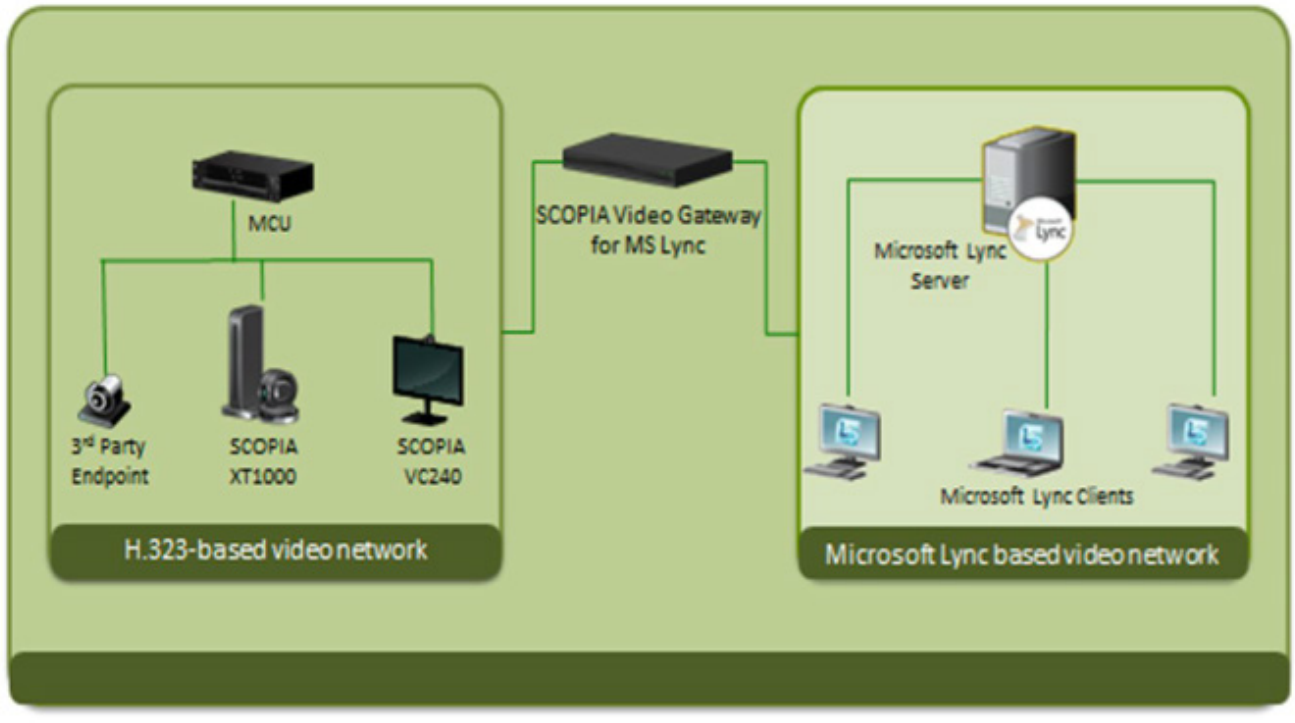
BEEHD

Notes

Scopia Desktop server and clients provide access to video conferencing from a PC or mobile device.
Other Scopia endpoints are the Scopia XT Executive Desktop and Bee H. D.

Scopia Components (Continued)

- Scopia Video Gateway



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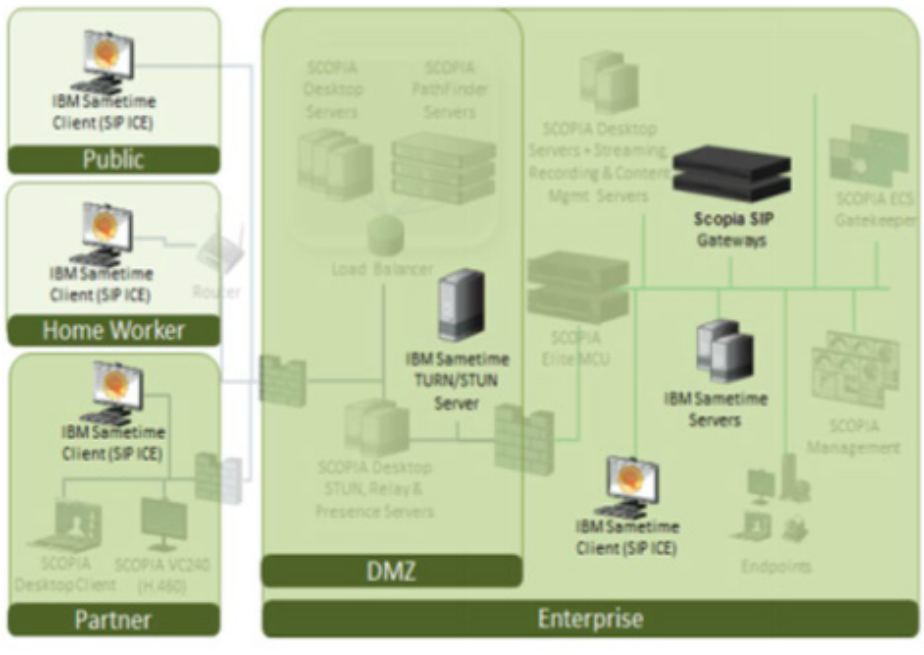
- Scopia SIP Gateway



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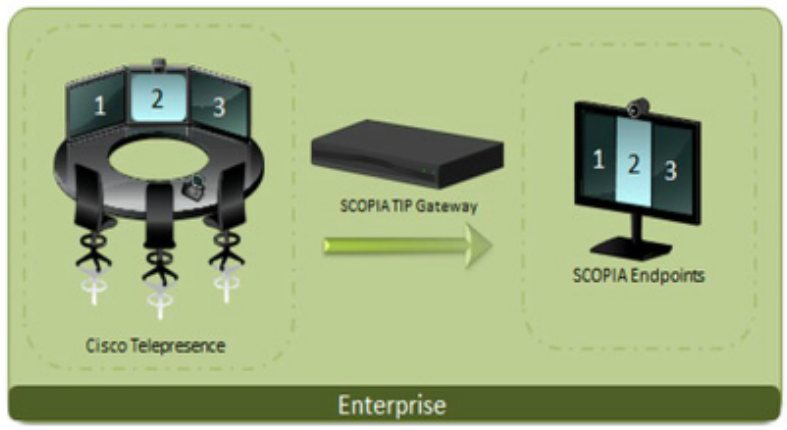
- Scopia TIP Gateway



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Notes

Scopia Video Gateway serves as a bridge between a video network based on endpoints and room systems using H.323 protocol and a video network based on Microsoft Lync platform.

The SIP Gateway allows organizations to connect remote IBM Sametime endpoints to existing H.323 videoconferencing networks by centrally deploying a gateway.

The Scopia TIP Gateway allows organizations to connect Cisco telepresence rooms directly to a Scopia Elite MCU conference and view all three screens of the Cisco telepresence system.

Scopia Continuous Presence, and Collaboration

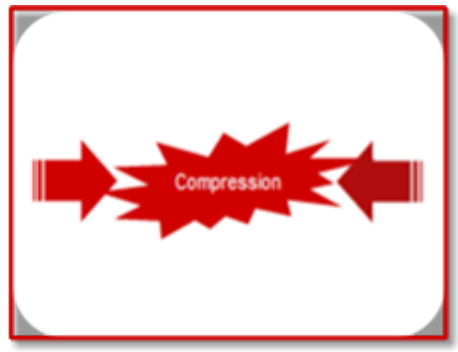
- Continuous Presence
- Data Collaboration
- The ability to review previously shared data

Notes

Scopia MCUs provide continuous presence which enables simultaneously viewing multiple conference participants in one screen. The continuous presence screen is composed of areas displaying the video image of different participants. Each conference includes a voice-activated video image that updates as attention shifts from one speaker to another.

Scopia offers advanced Data Collaboration. That is sharing of presentations, documents, and images shared during the video conference, as well as the ability to review previously shared data.

Other Scopia Advantages



High Definition	SVC video	H.264 High Profile
High definition video up to 1080p/60fps for video and content	Scalable Video Coding Provides a dramatically higher degree of error resiliency and video quality	H.264 High Profile for bandwidth efficiency Improves bandwidth usage by up to 25%

Notes

Scopia solutions also provide high definition video at 1080 horizontal lines of vertical resolution progressive scan and 60 frames per second.

Error resiliency is provided by Scalable Video Coding, and H.264 High Profile improves bandwidth efficiency.

Avaya Branding

Notes

Most hardware and software has been rebranded to Avaya in Scopia 8.3.

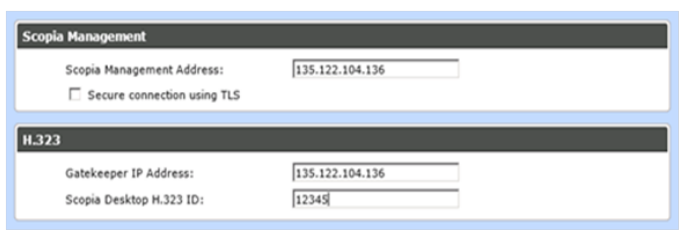
Strip Layout

Notes

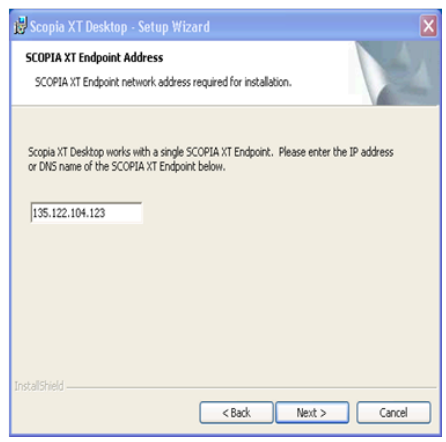
Strip layout is a new feature for Scopia 8.3. It is supported only on the Scopia Elite 6000 MCU, and changes the layout of the screen, as well as delivering a single video stream to endpoints for collaboration, and conferencing. Single stream video is very important for endpoints such as Flare and Lync that only support a single video stream.

Desktop Software

Scopia Desktop Server



Scopia XT Desktop Server



Notes

Scopia Desktop software has been split into two separate software installation packages. Scopia Desktop Server installs and looks similar to previous versions of Scopia Desktop, but is only used in a deployment that contains Scopia Management. Scopia XT Desktop Server for the SMB and IP Office deployments prompts for the IP address of the XT endpoint that contains the embedded MCU during the software installation process.

Collaborate Seamlessly with Scopia Video Solutions

- Please embed this link:
- http://www.youtube.com/watch?v=61ha5FWfjOw&feature=player_embedded

Learning Object Summary

You have learned about:

- Scopia features
- Scopia solutions
- Scopia deployment models
- Scopia components
- Scopia advantages