**Main page:** Cisco Unified MeetingPlace, Release 8.0

**Up one level:** Planning Your Deployment

- About Web Deployments
- Before You Begin
- Determining Which Web Deployment to Use
- Web Deployment Option 1: Cisco Unified MeetingPlace Scheduling, Internal Meetings
- Web Deployment Option 2: Cisco Unified MeetingPlace Scheduling, Mixed Meetings
- Web Deployment Option 3: Cisco WebEx Scheduling, Internal Meetings
- Web Deployment Option 4: Cisco WebEx Scheduling, Mixed Meetings
- Web Deployment Option 5: Using IBM Lotus Sametime Web Conferencing
- About Segmented Meeting Access-2S (SMA-2S)

# Contents

- 1 About Web Deployments
- 2 Before You Begin
  - 2.1 Restrictions for Web Meetings
    - 2.1.1 Unsupported Applications
    - 2.1.2 Language Support
    - 2.1.3 User Profiles
    - 2.1.4 Meeting Hosts
    - 2.1.5 Telephone Restrictions
    - 2.1.6 Recording Web Meetings
  - 2.2 Internal and External Meeting Definitions
  - 2.3 Cisco WebEx Meeting Type Definitions
- 3 Determining Which Web Deployment to Use
- 4 Web Deployment Option 1: Cisco Unified MeetingPlace Scheduling, Internal Meetings
  - 4.1 About Cisco Unified MeetingPlace Scheduling, Internal Meetings
  - 4.2 Languages Used for Cisco Unified MeetingPlace Scheduling, Internal Meetings
  - 4.3 Components Used for Cisco Unified MeetingPlace Scheduling, Internal Meetings
  - 4.4 Restrictions for Cisco Unified MeetingPlace Scheduling, Internal Meetings
- 5 Web Deployment Option 2: Cisco Unified MeetingPlace Scheduling, Mixed Meetings
  - 5.1 About Cisco Unified MeetingPlace Scheduling, Mixed Meetings
  - 5.2 Languages Used for Cisco Unified MeetingPlace Scheduling, Mixed Meetings
  - 5.3 Components Used for Cisco Unified MeetingPlace Scheduling, Mixed Meetings
  - 5.4 Restrictions for Cisco Unified MeetingPlace Scheduling, Mixed Meetings
- 6 Web Deployment Option 3: Cisco WebEx Scheduling, Internal Meetings
  - 6.1 About Cisco WebEx Scheduling, Internal Meetings

- 6.2 Considerations for Using Cisco WebEx with Video
  - 6.2.1 Using Video
- 6.3 Languages Used for Cisco WebEx Scheduling, Internal Meetings
- 6.4 Components Used for Cisco WebEx Scheduling, Internal Meetings
- 6.5 User Profile Restrictions for Cisco WebEx Scheduling, Internal Meetings
- 6.6 Information to Give to End Users for This Deployment

- 7 Web Deployment Option 4: Cisco WebEx Scheduling, Mixed Meetings
  - 7.1 About Cisco WebEx Scheduling, Mixed Meetings
  - 7.2 Considerations for Using Cisco WebEx with Video
  - 7.3 Languages Used for Cisco WebEx Scheduling, Mixed Meetings
  - 7.4 Components Used for Cisco WebEx Scheduling, Mixed Meetings
  - 7.5 User Profile Restrictions for Cisco WebEx Scheduling, Mixed Meetings
  - 7.6 Information to Give to End Users for This Deployment
- 8 Web Deployment Option 5: Using IBM Lotus Sametime Web Conferencing
- 9 About Segmented Meeting Access-2S (SMA-2S)
  - 9.1 Firewalls and SMA-2S
  - 9.2 SMA-2S Configuration
    - 9.2.1 Figure: Segmented Meeting Access -2S (SMA-2S) Configuration
  - 9.3 SMA-2S with SSL and Segmented DNS
    - 9.3.1 Example
    - 9.3.2 Related Topics


# About Web Deployments

This chapter contains information about the different web deployments offered in Cisco Unified MeetingPlace Release 8.0. In Cisco Unified MeetingPlace Release 8.0, supporting web meetings is optional.

The Cisco Unified MeetingPlace Release 8.0 web server has two purposes:

- To schedule meetings and perform administrative functions. You can use either Cisco Unified MeetingPlace or Cisco WebEx to perform this functionality. With both interfaces, you end up with a Cisco Unified MeetingPlace audio meeting and a Cisco WebEx web meeting. The differences between the two scheduling methods are as follows:
  - The interface (Cisco Unified MeetingPlace or Cisco WebEx) used to schedule and join meetings
  - The application (Cisco Unified MeetingPlace or Cisco WebEx) that initiates the meeting and calls the other application
- To host meetings. You can use either Cisco WebEx or IBM Lotus Notes Sametime Web Conferencing integration to host meetings.

# Before You Begin

- Restrictions for Web Meetings
- Internal and External Meeting Definitions
- Cisco WebEx Meeting Type Definitions

## Restrictions for Web Meetings

This section lists restrictions that are common for all web meetings. Restrictions that are specific to a deployment are listed in the section for that deployment.


- Unsupported Applications
- Language Support
- User Profiles
- Meeting Hosts
- Telephone Restrictions
- Recording Web Meetings


### Unsupported Applications

- Cisco Unified MeetingPlace Release 8.0 does not support the Cisco WebEx Support Center or Sales Center meeting format. For more information about the Cisco WebEx meeting types, see the Cisco WebEx Meeting Type Definitions.
- You can only use the IBM Lotus Notes calendaring integration with meetings that are scheduled from Cisco Unified MeetingPlace. For more information about the IBM Lotus Notes integration, see the IBM Lotus Notes for Cisco Unified MeetingPlace Integration.
- You can only use the Cisco Unified IP Phone integration, called PhoneView, with meetings that are scheduled from Cisco Unified MeetingPlace. For more information about the PhoneView integration, see the Integrating with Cisco Unified IP Phones.

### Language Support

- The web portion of Cisco Unified MeetingPlace is in US English only.
- The administrative user interfaces are in US English only.

### User Profiles

- You cannot lock the system administrator or the recorder profiles.
- If you deactivate or edit user profiles through the Cisco WebEx Site Administration, you must also manually make those changes through the Cisco Unified MeetingPlace Administration Center. Changes made to Cisco WebEx user profiles are not automatically synchronized with the corresponding Cisco Unified MeetingPlace user profiles.
- You cannot delete user profiles from Cisco WebEx.

### Meeting Hosts

- When the host of a Cisco WebEx meeting leaves, the meeting ends. Therefore, for the meeting to continue, the host needs to make another user the host before he leaves.
- Users cannot host two meetings at the same time.

**Telephone Restrictions**

Only the meeting host can lock and unlock a meeting, which prevents new users from entering the meeting. A meeting can be locked and unlocked from either the telephone (by using the #41 command) or from the web interface (by using the Restrict Access feature).

If you lock the meeting from the web interface by using the Restrict Access feature, the web interface menu option toggles to say Restore Access. However, if you lock the meeting from the telephone, the web interface menu option does not toggle to say Restore Access but instead continues to say Restrict Access, even though the access is already restricted.

**Recording Web Meetings**

- You cannot record the web portion of a meeting on Solaris / RedHat. Only audio meeting recordings should be available.
- The system plays the prompt "This meeting may be recorded" for all web meetings, even if the meeting cannot be recorded.
- If you start to record the audio or video portion of a meeting, the web portion does not automatically start recording. You have to start recording for the web portion of the meeting manually.

## Internal and External Meeting Definitions

Meetings can be either internal or external:

- Internal meetings do not allow any external participants to join. All meetings are held on the internal network which is the Cisco WebEx Node for MCS with no data connections to the cloud. For internal meetings, the real-time meeting traffic stays on-premise because all participants are internal. This is called "on-premise" or "non-hosted".
- External meetings are hosted in the cloud and allow external participants. This is also called "off-premise" or "hosted".
- A mixed environment is where some meetings are scheduled as internal and others are scheduled as external.
- A hybrid meeting is where the web portion of a meeting is external and hosted in the cloud, but the audio and video portion of the meeting is internal.
- Internal meetings hosted on the WebEx Node for MCS support only Meeting Center meetings. Event Center and Training Center meeting traffic can be aggregated on the WebEx Node for MCS, but it can be designated only as an external meeting.

## Cisco WebEx Meeting Type Definitions

Cisco WebEx has different meeting types that you can choose from, depending on the type of meeting that you want to conduct.

| Meeting Type | Description | Used with |
|---|---|---|
| Meeting Center | • Used to conduct meetings where all attendees can contribute. | All deployments |

| | | |
|---|---|---|
| | • Separate host and attendee view. | |
| Training Center | • Used to train people in a virtual, classroom-like setting.<br>• Users are either presenters (few users) or attendees (many users).* A presenter can assign attendees to a Cisco WebEx breakout room. The presenter starts the breakout room.<br>• A presenter may switch his audio to a breakout room; then all attendees in the breakout room can collaborate without the attendees in the main meeting room.<br>• There can be up to nine breakout rooms per meeting. | Cisco WebEx scheduling deployments only |
| Event Center | • Used for large events of up to 500 people.<br>• Users are either panelists (very few users) or attendees (all other users).* Attendees cannot dial out or dial in, they just listen to the audio broadcast and view the presentation delivered by the panelist.<br>• Panelists can have a separate session that will not be seen by other attendees. | Cisco WebEx scheduling deployments only |

## Determining Which Web Deployment to Use

To determine which web deployment to use, consider the following:

- What kind of end user experience do you want?
  - Are end users already familiar with Cisco Unified MeetingPlace? If so, we recommend using Cisco Unified MeetingPlace scheduling.
  - Are end users already familiar with Cisco WebEx? If so, we recommend using Cisco WebEx scheduling.
  - Are end users unfamiliar with both Cisco Unified MeetingPlace and Cisco WebEx? If so, we recommend using Cisco WebEx scheduling.
  - Are end users upgrading from an earlier release of Cisco Unified MeetingPlace? If so, we recommend using Cisco Unified MeetingPlace scheduling.
- How much data security do you need?
  - Do you want data such as meeting recordings, to remain behind a firewall? If so, we recommend using Cisco Unified MeetingPlace scheduling.
  - Do you want to keep meeting traffic internal? If so, we recommend using the Cisco WebEx Node for MCS.

## Web Deployment Option 1: Cisco Unified MeetingPlace Scheduling, Internal Meetings

- About Cisco Unified MeetingPlace Scheduling, Internal Meetings
- Languages Used for Cisco Unified MeetingPlace Scheduling, Internal Meetings
- Components Used for Cisco Unified MeetingPlace Scheduling, Internal Meetings
- Restrictions for Cisco Unified MeetingPlace Scheduling, Internal Meetings

## About Cisco Unified MeetingPlace Scheduling, Internal Meetings

Users schedule and join internal meetings from one of the Cisco Unified MeetingPlace end-user interfaces, including the Cisco Unified MeetingPlace end-user web interface, Microsoft Outlook for Cisco Unified MeetingPlace, IBM Lotus Notes for Cisco Unified MeetingPlace, or their telephone.

When a meeting starts, Cisco Unified MeetingPlace starts an immediate Cisco WebEx meeting and directs the web browsers for all participants to the Cisco WebEx hosting center where they join the Cisco WebEx web meeting.

Features of this deployment include the following:

- All meetings are internal to the customer network.
- No external participants can join.
- No media leaves the customer network. Data conferencing media passes between the on-premise Cisco WebEx Node for MCS and the clients.
- Except for live data conference, the user interfaces are all provided by Cisco Unified MeetingPlace.
- Cisco WebEx site starts an immediate meeting, without prior scheduling.
- Recordings are posted on the Cisco Unified MeetingPlace website.

Deployments that use Cisco Unified MeetingPlace for scheduling support continuous meetings. Users can join the voice or web portion of the meeting at any time. A continuous meeting does not end when all users leave; it only ends when a user explicitly ends it from the end user interface.

## Languages Used for Cisco Unified MeetingPlace Scheduling, Internal Meetings

- The system localizes the Cisco WebEx meeting room and the audio portion of the meeting based on the profile of the meeting host.
- For users and meetings that select Spanish (Latin America):
    - The system localizes the Cisco Unified MeetingPlace user interface and the audio portion of the meeting into Spanish (Latin America).
    - The system localizes the Cisco WebEx meeting room into Spanish (Mexico).
- For users and meetings that select Russian:
    - The system localizes the Cisco Unified MeetingPlace user interface and the audio portion of the meeting into Russian.
    - The system localizes the Cisco WebEx meeting room into the default language of the Cisco WebEx site.

## Components Used for Cisco Unified MeetingPlace Scheduling, Internal Meetings

This deployment option consists of the following components:

- Cisco Unified MeetingPlace Application Server.

- Cisco Unified MeetingPlace web server.
  - This deployment requires a web server in the DMZ for guest users to access the Cisco WebEx meeting room. The meeting room is accessed by clicking the URL that is published in the meeting notification.
  - You can deploy only one Cisco Unified MeetingPlace internal web server and one Cisco Unified MeetingPlace web server in the DMZ.
- Cisco Unified MeetingPlace database.
- Cisco WebEx Node on MCS.
  - You can deploy one or more of these components.
  - For load sharing and internal web meeting failover, you must deploy at least two Cisco WebEx nodes.
- Cisco WebEx site.
  - Required in order for the user to join a meeting.

### Restrictions for Cisco Unified MeetingPlace Scheduling, Internal Meetings

- Limited to the Cisco WebEx Meeting Center type.
- Users can join video by dialing in, having the system dial you, or by auto-outdial.
- You can invite video terminals using the Microsoft Outlook plug-in.
- Webcams are not supported.
- We recommend that you disable Cisco WebEx video.
- Smartphone quick-links are not available in meeting notifications from Cisco Unified MeetingPlace scheduling deployments.

## Web Deployment Option 2: Cisco Unified MeetingPlace Scheduling, Mixed Meetings


- About Cisco Unified MeetingPlace Scheduling, Mixed Meetings
- Languages Used for Cisco Unified MeetingPlace Scheduling, Mixed Meetings
- Components Used for Cisco Unified MeetingPlace Scheduling, Mixed Meetings
- Restrictions for Cisco Unified MeetingPlace Scheduling, Mixed Meetings


### About Cisco Unified MeetingPlace Scheduling, Mixed Meetings

Users schedule and join internal meetings from one of the Cisco Unified MeetingPlace end-user interfaces, including the Cisco Unified MeetingPlace end-user web interface, Microsoft Outlook for Cisco Unified MeetingPlace, IBM Lotus Notes for Cisco Unified MeetingPlace, or their telephone.

When a meeting starts, Cisco Unified MeetingPlace starts an immediate Cisco WebEx meeting and directs the web browsers for all end users to the Cisco WebEx hosting center where they join the Cisco WebEx web meeting.

- Except for live data conference, the user interfaces are all provided by Cisco Unified MeetingPlace.
- Cisco WebEx site starts an immediate meeting, without prior scheduling.

- Recordings are posted on the Cisco WebEx site, but can be accessed from Cisco Unified MeetingPlace.

Deployments that use Cisco Unified MeetingPlace for scheduling support continuous meetings. Users can join the voice or web portion of the meeting at any time. A continuous meeting does not end when all users leave; it only ends when a user explicitly ends it from the end user interface.

## Languages Used for Cisco Unified MeetingPlace Scheduling, Mixed Meetings

See the Languages Used for Cisco Unified MeetingPlace Scheduling, Internal Meetings.

## Components Used for Cisco Unified MeetingPlace Scheduling, Mixed Meetings

This deployment option consists of the following components:

- Cisco Unified MeetingPlace Application Server.
- Cisco Unified MeetingPlace web server.
  - This deployment requires a web server in the DMZ for guest users to access the Cisco WebEx meeting room. The meeting room is accessed by clicking the URL that is published in the meeting notification.
  - You can deploy only one Cisco Unified MeetingPlace internal web server and one Cisco Unified MeetingPlace web server in the DMZ.
- Cisco Unified MeetingPlace database.
- Cisco WebEx Node for MCS.
  - You can deploy one or more of these components.
  - For load sharing and internal web meeting failover, you must deploy at least two Cisco WebEx nodes.
  - You can optionally host the Cisco WebEx Node for MCS on premise to reduce the bandwidth on your internet link.
- Cisco WebEx site.
  - One Cisco WebEx site handles both internal and external meetings.
  - Required in order for the user to join a meeting.

## Restrictions for Cisco Unified MeetingPlace Scheduling, Mixed Meetings

- Limited to the Cisco WebEx Meeting Center type.
- Users can join video by dialing in, having the system dial you, or by auto-outdial.
- You can invite video terminals using the Microsoft Outlook plug-in.
- Webcams are not supported.
- We recommend that you disable Cisco WebEx video.
- Smartphone quick-links are not available in meeting notifications from Cisco Unified MeetingPlace scheduling deployments.

# Web Deployment Option 3: Cisco WebEx Scheduling, Internal Meetings

**Note:** This deployment is also referred to as hybrid, Enterprise Edition, and hosted.


- About Cisco WebEx Scheduling, Internal Meetings
- Considerations for Using Cisco WebEx with Video
- Languages Used for Cisco WebEx Scheduling, Internal Meetings
- Components Used for Cisco WebEx Scheduling, Internal Meetings
- User Profile Restrictions for Cisco WebEx Scheduling, Internal Meetings
- Information to Give to End Users for This Deployment


## About Cisco WebEx Scheduling, Internal Meetings

Users schedule and join meetings from one of the Cisco WebEx end-user interfaces, such as a Cisco WebEx page or Cisco WebEx productivity tools.

When the meeting starts, Cisco WebEx starts a reservationless Cisco Unified MeetingPlace meeting.

In this deployment, the web portion of the meeting does not end when all users leave, the web portion of the meeting ends when the audio portion of the meeting ends.

- Hosted Cisco WebEx T27 Enterprise Edition with on-premise Cisco Unified MeetingPlace reservationless audio.
- Cisco Unified MeetingPlace audio to support Cisco WebEx T27 languages
- Support for Cisco WebEx mobility features with Cisco Unified MeetingPlace audio

Reservationless meetings must be enabled for meetings scheduled from Cisco WebEx.

## Considerations for Using Cisco WebEx with Video

In Cisco Unified MeetingPlace Release 8.0, users may join Cisco WebEx meetings with video, but only through web cameras that are installed on their computers. Users cannot use other Cisco Unified applications with Cisco Unified MeetingPlace meetings. Video is displayed in the video panel within the Cisco WebEx meeting interface and is included in Cisco WebEx meeting recordings.

In Cisco Unified MeetingPlace Release 8.0, Cisco WebEx meetings support Cisco Unified MeetingPlace video conferencing, which displays video through the video endpoints, for example, Cisco Unified Personal Communicator, Cisco Unified Video Advantage, and video terminals.

For all releases, note the following:

- When you obtain your Cisco WebEx account and site, you choose between Cisco Unified MeetingPlace video conferencing and Cisco WebEx webcam video. The Cisco WebEx site cannot support both types of video at the same time.
- Cisco Unified MeetingPlace video conferencing is not included in the Cisco WebEx recordings.
- Cisco Unified MeetingPlace video conferencing is available only to users with video privileges. Configure the Video usage user profile field appropriately for your users.

**Using Video**

For web deployments that use Cisco WebEx scheduling:

- Video is not scheduled, ad-hoc use only
- Dial in or Outdial within Meeting only are supported
- Cisco WebEx Node for MCS does not support Webcams
- Recommend disable WebEx Video

Restriction: Webcams and Cisco WebEx-based video can both be used in the same web meeting; however, there is no interoperability between them.

## Languages Used for Cisco WebEx Scheduling, Internal Meetings

- The system localizes the Cisco WebEx meeting room based on the profile of each user.
- The system localizes the audio portion of the meeting based on the profile of the meeting host.
- Which languages are supported depends on Cisco WebEx center type (e.g., Meeting Center supports all specified languages, while the other centers support a subset of languages). So, the Cisco Unified MeetingPlace user profile may offer languages that are not actually supported in all Cisco WebEx meeting types.

## Components Used for Cisco WebEx Scheduling, Internal Meetings

This deployment option consists of the following components:

- Cisco Unified MeetingPlace Application Server.
- Media server for audio and video mixing. You can have either a Hardware Media Server or an Express Media Server.
- Cisco WebEx Node on MCS.
    - You can deploy one or more of these components.
    - For load sharing and internal web meeting failover, you must deploy at least two Cisco WebEx nodes.
    - You can optionally host the Cisco WebEx Node for MCS on premise to reduce the bandwidth on your internet link.
- Cisco WebEx site.
    - Required in order for the user to join a meeting.
    - One Cisco WebEx site handles both internal and external meetings.

### User Profile Restrictions for Cisco WebEx Scheduling, Internal Meetings

- Deleting user profiles on Cisco Unified MeetingPlace does not disable access to Cisco WebEx. You must deactivate those users through the Cisco WebEx Site Administration. You cannot delete the preconfigured admin, guest, or recorder user profiles.
- Cisco Webex Site Administration has a setting that will delete a user profile if there is no activity for a month.
- Here are restrictions for the user profiles for Cisco WebEx:
    - All user profiles must contain information in the First Name and Last Name fields. They cannot be left blank.
    - Do not modify the field called User ID for an existing user profile. Doing so disables future sign ins to Cisco WebEx by the user. This is also true for system administrator access to the Cisco WebEx Site Administration. Instead of modifying the User ID, create a new user profile in Cisco Unified MeetingPlace and deactivate the previous user profile through the Cisco WebEx Site Administration.
    - Main phone number field: Cannot exceed 30 characters.
    - Alternate phone number field: Cannot exceed 30 characters.
    - Email Address field: Cannot exceed 64 characters. Must be unique, even among deactivated users on the Cisco WebEx site.
- The following fields for user profiles are not supported for Cisco WebEx:
    - Guests can lock and record meetings
    - Number of retry attempts
    - Auto-start recording
- When an external user tries to join an internal meeting, which the user can see on the web interface and has a button to join the meeting, the user cannot connect to the meeting and sees a message stating that he is no longer connected to the meeting and the system is trying to reconnect. Only internal users can join meetings in this deployment.

### Information to Give to End Users for This Deployment

The system will display an error message to external users who try to join internal meetings. Users will not be told that the reason for the error is that they are external users and the meeting is internal only.

Meeting hosts can change internal meetings into external meetings.

## Web Deployment Option 4: Cisco WebEx Scheduling, Mixed Meetings

**Note:** This deployment is also referred to as hybrid, Enterprise Edition, and hosted.


- About Cisco WebEx Scheduling, Internal Meetings
- Considerations for Using Cisco WebEx with Video
- Languages Used for Cisco WebEx Scheduling, Internal Meetings
- Components Used for Cisco WebEx Scheduling, Internal Meetings
- User Profile Restrictions for Cisco WebEx Scheduling, Internal Meetings
- Information to Give to End Users for This Deployment

### About Cisco WebEx Scheduling, Mixed Meetings

These meetings are the same as Cisco WebEx scheduled, internal meetings, described in the About Cisco WebEx Scheduling, Internal Meetings, except that external participants can join the meetings.

### Considerations for Using Cisco WebEx with Video

See the Considerations for Using Cisco WebEx with Video.

### Languages Used for Cisco WebEx Scheduling, Mixed Meetings

See the Languages Used for Cisco WebEx Scheduling, Internal Meetings.

### Components Used for Cisco WebEx Scheduling, Mixed Meetings

The components used are the same as for Cisco WebEx scheduled, internal meetings, described in the Components Used for Cisco WebEx Scheduling, Internal Meetings, except that in this deployment, using a Cisco WebEx Node for MCS is optional.

In this deployment, the system establishes a direct connection, either from the Cisco WebEx client or from the Cisco WebEx Node for MCS, to the Cisco WebEx site for each meeting, so that data passes through the Cisco WebEx site, which is what enables external access.

### User Profile Restrictions for Cisco WebEx Scheduling, Mixed Meetings

See the User Profile Restrictions for Cisco WebEx Scheduling, Internal Meetings.

### Information to Give to End Users for This Deployment

The system will display an error message to external users who try to join internal meetings. Users will not be told that the reason for the error is that they are external users and the meeting is internal only.

## Web Deployment Option 5: Using IBM Lotus Sametime Web Conferencing

For a complete description of the IBM Lotus Notes Sametime Web Conferencing with Cisco Unified MeetingPlace Release 8.0 integration, see the *Installing and Configuring IBM Lotus Sametime Web Conferencing with Cisco Unified MeetingPlace Release 8.0* at

# About Segmented Meeting Access-2S (SMA-2S)

**Note:** This section only applies to systems that use Cisco Unified MeetingPlace scheduling.

Cisco Unified MeetingPlace supports an SMA-2S configuration that allows you to provide external access to your users while maintaining network security.

- Firewalls and SMA-2S
- SMA-2S Configuration
- SMA-2S with SSL and Segmented DNS

## Firewalls and SMA-2S

A firewall is a security device set up to protect a local area network (LAN) from unwanted Internet access. However, you can provide limited access by opening specific TCP ports to allow inbound access to public servers while leaving other portions of the network protected. For example, when a user on the Internet connects to a company home page, the user must pass through TCP port 80 of the company firewall to access the web server.

While external participation is possible by controlling port access through a firewall, we highly recommend that you consider an SMA-2S configuration instead. Configurations that use SMA-2S isolate some meetings on the private corporate network while exposing others, designated as external, to the Internet. Users designate their meetings as internal or external during the scheduling process by setting the Allow External Web Participants parameter on the New Meeting scheduling page.

This parameter is set by the meeting scheduler from the New Meeting scheduling page, and it is only visible if your Cisco Unified MeetingPlace system has an external site-that is, a web server located in an Internet-accessible segment of your network, such as in a DMZ zone.

## SMA-2S Configuration

In an SMA-2S configuration, Cisco Unified MeetingPlace web servers are deployed on two separate servers or two separate clusters of servers. One is on the internal network, behind the firewall; the other is on another network segment, such as a DMZ. The internal web server or cluster is only accessible from behind the firewall while the external web server or cluster is accessible from inside or outside the firewall.

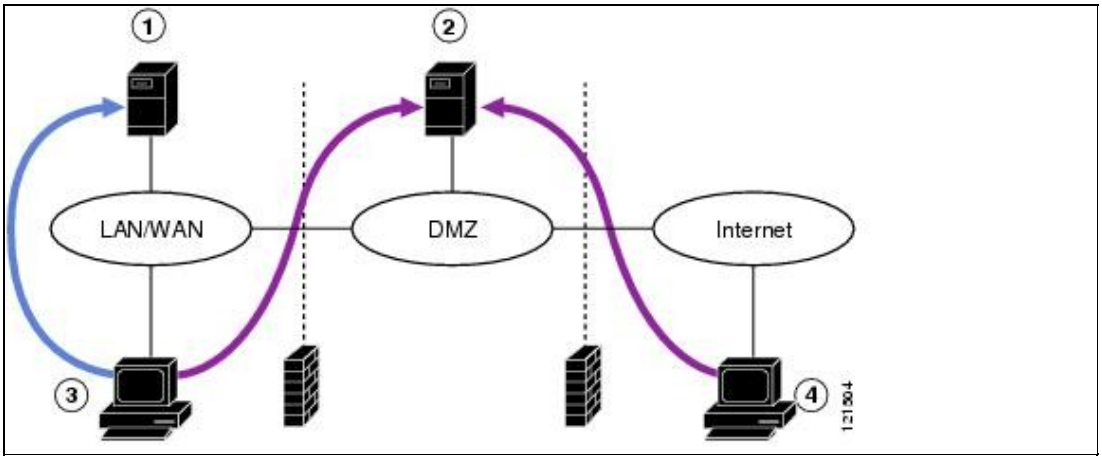
While internal users have access to the full Cisco Unified MeetingPlace web interface, external users have access to an external meeting, attend-only web page.

The SMA-2S configuration is the preferred and most secure deployment model if you want to provide external access to Cisco Unified MeetingPlace web meetings.

**Note:** We recommend that you configure external web servers to use Secure Sockets Layer (SSL). This provides optimum security and resolves proxy server issues that can prevent users from joining a web meeting.

If you configure SSL on an external web server and users will access the server through a firewall, make sure that TCP port 443 is open inbound on your firewall for both of the hostnames or IP addresses on the server.

**Figure: Segmented Meeting Access -2S (SMA-2S) Configuration**




| | | | |
|---|---|---|---|
| 1 | Internal Cisco Unified MeetingPlace web server. Sits inside the private corporate network. | 2 | External Cisco Unified MeetingPlace web server. Sits in a network segment, such as a DMZ. |
| 3 | Internal user.<br>• Internal users enter internal meetings through the internal web server.<br>• Internal users enter external meetings through the external web server. | 4 | External user.<br>• External users can enter external meetings only.<br>• Users enter these meetings through the external web server. |

## SMA-2S with SSL and Segmented DNS

If your Cisco Unified MeetingPlace system has SSL configured on the external web server and a segmented DNS, the segmented DNS name cannot be the same as the SSL certificate name on the external or internal system. See the following example for configuration guidelines.

**Example**

You have an SMA-2S configuration where SSL is required for external users, but not required for internal users who are accessing the internal or external system.

- The segmented DNS name is *meetingplace.company.com*.

- The SSL certificate name for the external system is *meetingplace1.cisco.com*.
- The hostname for the external system from the internal system is *meetingplace1*.
- All URLs and click-to-attend links are in the form of http://*meetingplace.company.com*.

When users access http://*meetingplace.company.com* from the external network, the external system will automatically redirect them to an HTTPS URL that uses the hostname configured in the system database, in this case, https://*meetingplace1.company.com*.

**Note:** If you force SSL on all users, both internal and external users will be required to use SSL when they access the external web server.

#### Related Topics

For information on configuring your system for SMA-2S, see the online help in the administrator interface or the *Configuration Guide for Cisco Unified MeetingPlace Release 8.0* at http://www.cisco.com/en/US/products/sw/ps5664/ps5669/products_installation_and_configuration_guides_list.html.