



Scheduling and Launching Meetings on Mobile Devices using WebEx APIs

Technical Note

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Introduction

The WebEx URL API is called by hundreds of WebEx partner applications to schedule and launch WebEx meetings on Windows and Macintosh desktop and laptop PCs.

WebEx Meetings are also widely used on iPhone, iPad, Android, and Blackberry mobile devices. This Technical Note describes how applications can call the WebEx APIs to schedule and launch meetings on mobile devices.

Scheduling WebEx Meetings on Mobile Devices

WebEx Meetings for mobile devices can be scheduled using any of the following methods:

- WebEx Meeting Center web site on a PC
- Microsoft Outlook or other WebEx productivity tools on a PC
- WebEx Meeting application on a mobile device
- WebEx XML API on a PC or mobile device
- WebEx URL API on a PC or mobile device

XML API

This command will schedule a WebEx meeting:

Command	Function	XML API Reference Guide section
CreateMeeting	Schedule a new WebEx Meeting and return meeting key	5.1

URL API

This command will authenticate the user and establish a WebEx browser session:

Command	Function	URL API Reference Guide section
p.php?AT=LI	User authentication	2-23

This command will schedule a WebEx meeting:

Command	Function	URL API Reference Guide section
m.php?AT=SM	Schedule a new WebEx Meeting and return MK=meeting key	2-123

The p.php?AT=LI command can accept a second URL API command as a value for the MU parameter and automatically run that command after authentication. The special characters in the second URL API command must be encoded to form a proper concatenated URL string.

For the following sample Meeting Center site and user:

```
WebEx Site: acme.webex.com
Username: testuser, Password: testpass
```

The unencoded command to authenticate and automatically schedule a meeting is:

```
https://acme.webex.com/acme/p.php?AT=LI&WID=testuser&PW=testpass&MU=https://  
acme.webex.com/acme/m.php?AT=SM
```

The encoded version is:

```
https://acme.webex.com/acme/p.php?AT=LI&WID=testuser&PW=testpass&MU=https  
%3A%2F%2Facme.webex.com%2Facme%2Fm.php%3FAT%3DSM
```

Hosting and Joining Meetings on Mobile Devices

After calling the XML or URL commands in the section above to schedule a new meeting, the following commands can be used to launch the meeting.

URL API

In WBS Version 27.25 the URL APIs commands for hosting and joining meetings were updated to support mobile devices. These commands should be used in a mobile browser to execute the command.

Full details about these commands can be found in the *WebEx URL API Reference Guide* (<http://developer.webex.com/web/meetingservices/urlapi>).

Command	Function	URL API Reference Guide section
m.php?AT=HM	Launch a previously scheduled meeting as host	2-103
m.php?AT=JM	Launch a previously scheduled meeting as attendee	2-113

A single URL can be created to authenticate and automatically launch a previously scheduled meeting. The user authentication API (p.php?AT=LI) should be concatenated with either m.php?AT=HM or m.php?AT=JM to launch the meeting.

An example Meeting Center site, user and previously scheduled meeting:

```
WebEx site: acme.webex.com  
Username: testuser, Password: testpass  
Meeting Key: 349290987
```

The unencoded command that will authenticate and launch the scheduled meeting as a host is:

```
https://acme.webex.com/acme/p.php?AT=LI&WID=testuser&PW=testpass&MU=https://  
acme.webex.com/acme/m.php?AT=HM&MK=349290987
```

The properly encoded version is:

```
https://acme.webex.com/acme/p.php?AT=LI&WID=testuser&PW=testpass&MU=https  
%3A%2F%2Facme.webex.com%2Facme%2Fm.php%3FAT%3DHM%26MK%3D349290987
```

XML API commands returning URLs to launch WebEx Meetings

The WebEx XML API can be used to avoid manually coding the concatenated URL API commands shown above. The following commands will retrieve single URLs to authenticate and launch a scheduled WebEx meeting.

Full details on these commands can be found in the *WebEx XML API Reference Guide*

(<http://developer.webex.com/web/meetingservices/xmlapi>)

Command	Function	XML API Reference Guide section
GethosturlMeeting	Returns a URL that authenticates the user and launches the Meeting app as host.	5.4
GetjoinurlMeeting	Returns a URL that authenticates the user and launches the Meeting app as an attendee.	5.5

Launching an “Instant” Meeting

It is not possible to concatenate URL API commands to automatically authenticate, set up, and launch a new WebEx meeting from a single URL in a mobile browser.

Instead, to simulate this “instant” meeting functionality an application can:

1. Call XML API CreateMeeting or the URL API p.php?AT=LI and m.php?AT=SM command to authenticate and schedule a WebEx meeting starting immediately and retrieve the meeting key.
2. Either call XML API GethosturlMeeting or code the URL API command sequence to authenticate and launch the scheduled meeting as a host. Have the meeting host click on this URL API command sequence in the mobile browser to host the meeting.
3. Either call XML API GetjoinurlMeeting or code the URL API command to join the meeting. Have the attendee click on this URL API command in the mobile browser to join the meeting.