

# BlueJeans Gateway for Microsoft Teams

## Admin Guide

Intro | Setup | Testing

Admin Training Guide | Updated July 2019 | [support.bluejeans.com](https://support.bluejeans.com)

Certified for

Microsoft Teams

## Introduction to the BlueJeans Gateway for Microsoft Teams

Prior to setting up the integration between BlueJeans and Microsoft Teams there are several prerequisites tasks, privileges and security items that will need to be reviewed or completed by your team.

### PRE-REQUISITES

#### O365 Tenant Admin

Admin Access to your Office 365 Tenant is required to execute a PowerShell cmdlet. The cmdlet will be used to enable the BlueJeans Gateway integration and add join instructions to meeting invitations.

#### Supported Video Codecs & Encryption Methods

The BlueJeans Gateway for Microsoft Teams supports the following video codecs and encryption methods...

- Video Codecs: [H.263](#) (4CIF) / [H.264](#) (720p HD) / [H.264HP](#) (720p HD)
- Encryption Methods: [H.235 V3](#) / [AES-128](#) / [TLS](#)

#### Open TCP/UDP Ports

To ensure that your endpoints can reach the BlueJeans Gateway, you will want to open the ports specified below on your firewall against the follow IP Addresses: [40.65.174.101](#), [40.91.78.170](#), [52.142.237.32](#), [52.183.16.252](#), [52.183.19.47](#), [52.183.22.7](#), [40.65.172.32/27](#), [40.91.116.192/27](#), [52.236.151.32/27](#).

- H.323 Room Systems
  - [Outbound TCP Port 1720](#) | H.225 Signaling for H.323)
  - [Outbound TCP Ports 5000 – 5999](#) | H.245 Call Control for H.323
  - [Outbound UDP Ports 5000 – 5999](#) | RTP Media
- SIP Room Systems
  - [Outbound TCP Port 5060](#) | SIP Signaling
  - [Outbound TCP Port 5061](#) | SIPS (TLS) Signaling
  - [Outbound UDP Ports 5000 – 5999](#) | RTP Media

#### Security Review (if applicable)

If your organization requires a Security Review before proceeding with the integration, then it is recommended to have your IT Team review this document as well as the [FAQ on our Knowledge Base](#) to provide the OK.

#### BlueJeans Relay (not included in Free Trial License)

If your organization has Cisco, Lifesize, and/or Polycom VTC units, then it is recommended to deploy the [BlueJeans Relay service](#) for your enterprise before proceeding. Relay utilizes an on-premise program to enable one-touch joining, simplifying the joining process for your users.

- A Linux/Windows VM, behind the firewall, will host the on-premise Relay Listener Service.
  - If you already have a Listener Service deployed, then ensure that it is at least version [2.19](#)
- Each conference room will need its own room resource with a mailbox/calendar.
  - [On-Prem Exchange Guide](#) / [Office 365 Guide](#)

## Gateway Permissions

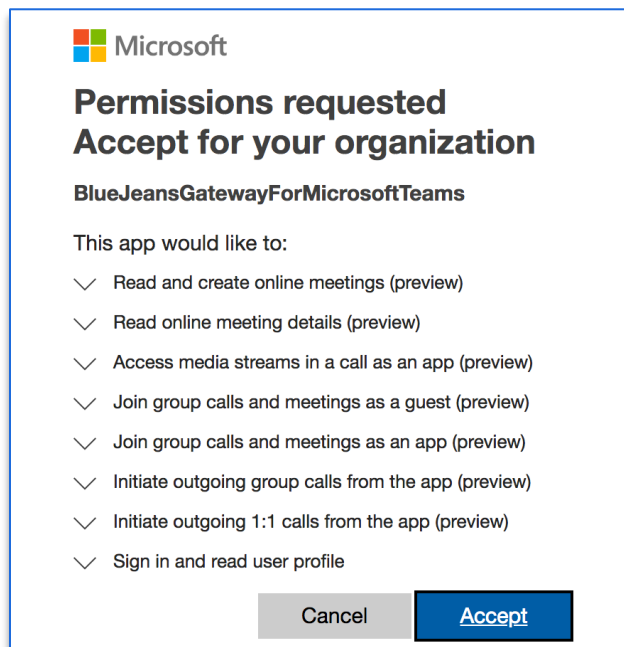
The first step in setting up the integration is to open this [Consent Form](#) as an Admin for your Office 365 Tenant.

You'll be prompted with a Microsoft Permissions window; see reference image. Click [Accept](#) to proceed. If the sync was successful, then you'll be redirect to the BlueJeans homepage.

## PowerShell cmdlet - Intro

Before performing any of the outlined commands, please ensure that your environment has the '[Skype for Business Online, Windows PowerShell Module](#)' has been installed.

Once the module has been installed, the following commands outlined below must be run to complete the integration.



 - Per Microsoft, some of these commands can take up to six hours to fully propagate within your Office 365 Tenant.

## PowerShell Commands – Setup the Service

Run the following PowerShell commands in order. If you run into any errors, then please double check spacing and spelling.

# Starting the PowerShell Session {3 commands}

```
$cred = Get-Credential YourEmailAddress@YourDomain.onmicrosoft.com
$session = New-CsOnlineSession $cred
Import-PSsession $session -AllowClobber
```

# Initial Verification that the Service is Disabled {1 command}

```
Get-CsTeamsVideoInteropServicePolicy
```

# Setting up the BlueJeans Service and Confirming that it's Set Correctly {2 commands}

```
New-CsVideoInteropServiceProvider -Name BlueJeans -TenantKey TenantKeyProvidedByBlueJeans@teams.bjn.vc -
InstructionUri https://support.bluejeans.com/knowledge/vtc-dial-in-options-for-teams

Get-CsVideoInteropServiceProvider
```

## PowerShell Commands – Enablement

The following two blocks of commands are used to either enable the service for individual users or for your entire tenant. It is recommended to enable a test group of 10 users before enabling the entire tenant.

# ENABLE USER – Enables the service for one specific user (overrides global policy) {2 commands}

```
Grant-CsTeamsVideoInteropServicePolicy -PolicyName BlueJeansServiceProviderEnabled -Identity  
UserEmailAddress@YourDomain.onmicrosoft.com  
  
Get-CsOnlineUser -Identity UserEmailAddress@YourDomain.onmicrosoft.com | fl  
UserPrincipalName,TeamsVideoInteropServicePolicy
```

# ENABLE ALL – Enables the service globally for your entire O365 Tenant {2 commands}

```
Grant-CsTeamsVideoInteropServicePolicy -PolicyName BlueJeansServiceProviderEnabled -Global  
  
Get-CsTeamsVideoInteropServicePolicy
```

## PowerShell Commands – Disablement (not required)

Once you've enabled your set group of users for testing or the entire tenant, then the integration has been completed. If you need to disable the integration for any reason, then please review the commands below for individual or tenant-based disablement.

# DISABLE USER – Disables the service for one specific user (overrides global policy) {2 commands}

```
Grant-CsTeamsVideoInteropServicePolicy -PolicyName $null -Identity  
UserEmailAddress@YourDomain.onmicrosoft.com  
  
Get-CsOnlineUser -Identity UserEmailAddress@YourDomain.onmicrosoft.com | fl  
UserPrincipalName,TeamsVideoInteropServicePolicy
```

# DISABLE ALL – the service globally for your entire O365 Tenant {2 commands}

```
Grant-CsTeamsVideoInteropServicePolicy -PolicyName $null -Global  
  
Get-CsTeamsVideoInteropServicePolicy
```

## PowerShell Commands – Optional (not required)

The following optional commands can be used to modify functionality, if desired.

# Allows VTC units to bypass the lobby and land directly in meetings, without requiring approval {1 command}

```
Set-CsVideoInteropServiceProvider -Identity BlueJeans -AadApplicationIds 363e7c1b-ca85-4765-bd62-f77a096c407d -  
AllowAppGuestJoinsAsAuthenticated $true
```

## Feedback and Testing

Thank you for enabling our gateway integration with Microsoft Teams. Once the commands propagate within Office 365, your group can test the service by looking for the [appended BlueJeans info in meeting invitations](#). If you have any questions or feedback regarding the product, then please use our [Contact Form](#) to reach out.