

Skype for Business Online App using UCWA API

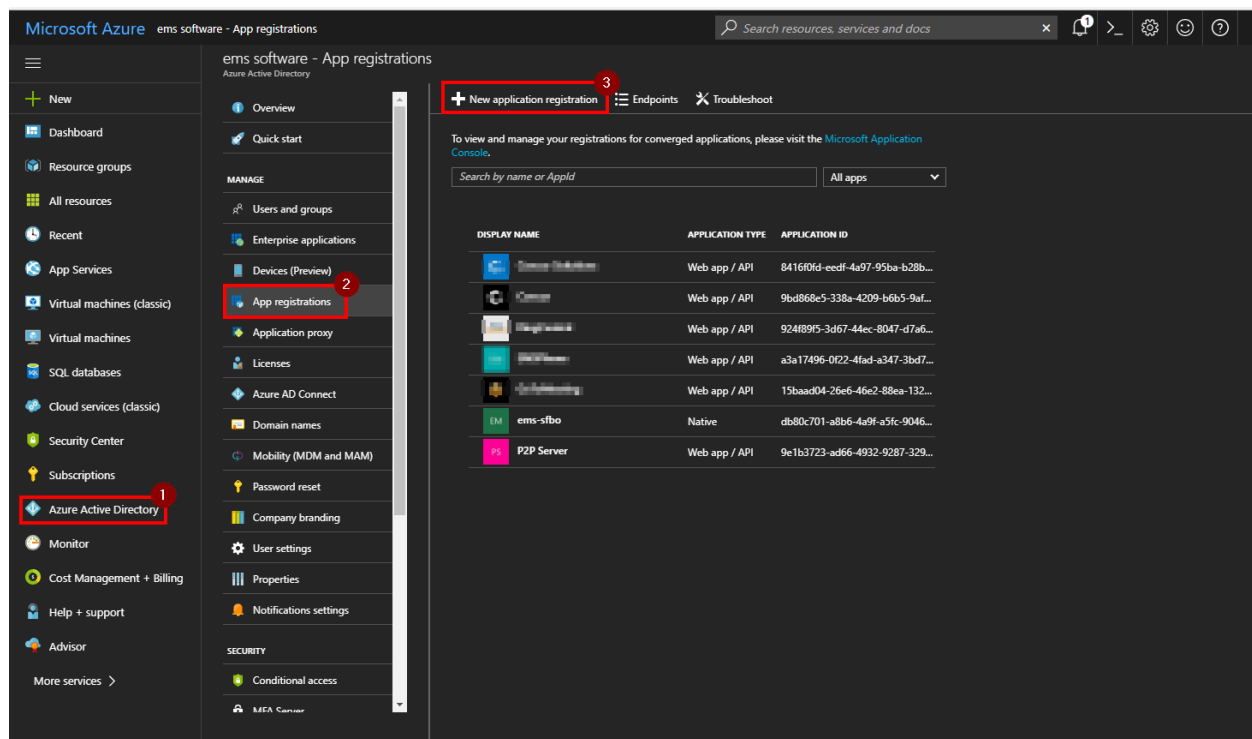
This instruction provides information on how to deploy Skype for Business Online App that is needed for EMS integration.

Prerequisites:

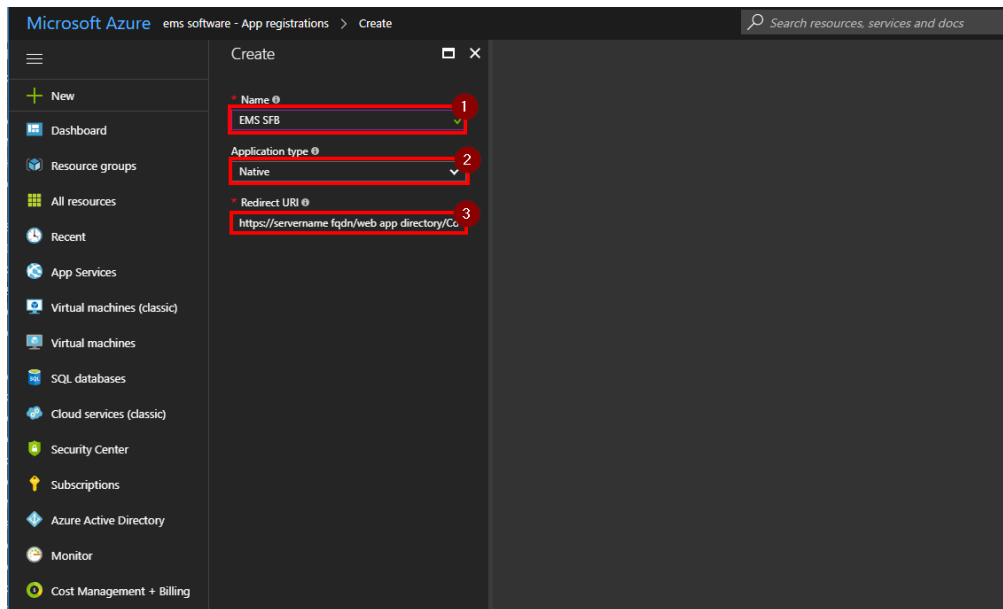
1. Microsoft Azure Active Directory
2. User performing this task needs admin to Azure environment
3. EMS Conferencing URI (mostly to be something like this (<https://servernamefqdn/webappdirectory/ConferencingLogin.aspx/>)). This URI **must** be verifiable and accessible externally.

Create Skype for Business App in Azure AD

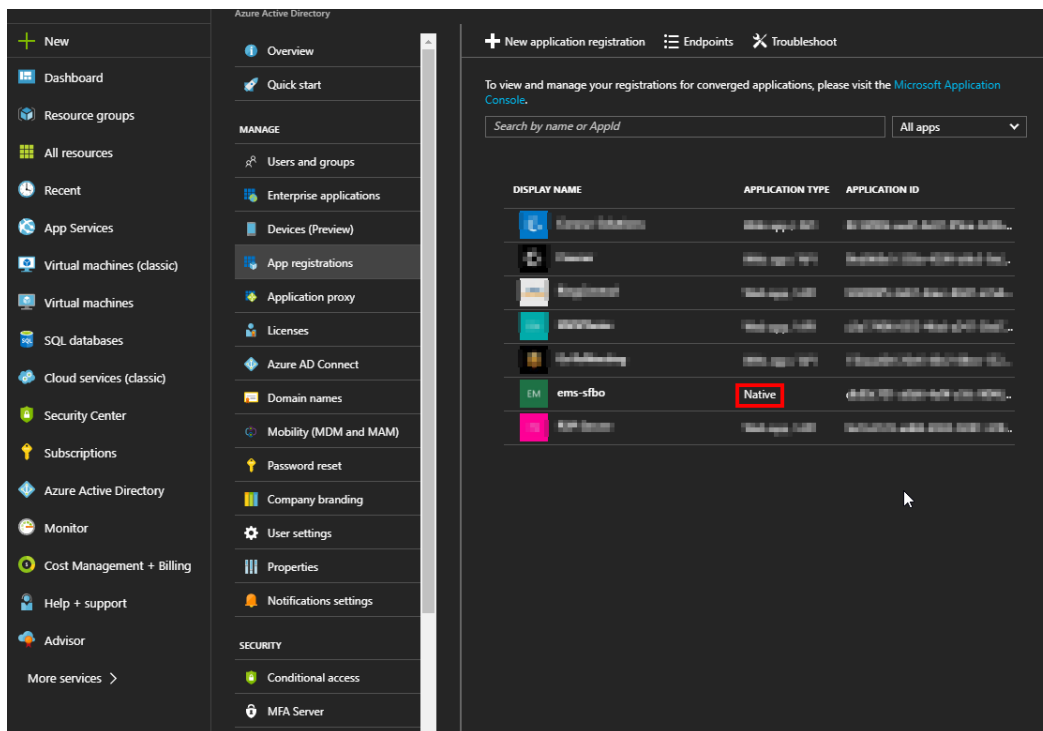
- Sign in to Azure Management <https://portal.azure.com>
 1. Select **Azure Active Directory**
 2. Select **App registration**
 3. Click **New application registration**



- Add the app required information
 1. Name of your application (Ex: EMS SFB)
 2. Application type (Select **Native**)
 3. Enter conferencing URI (ensure the trailing slash)
 4. Click **Create**



Newly created skype app from above steps will appear as following

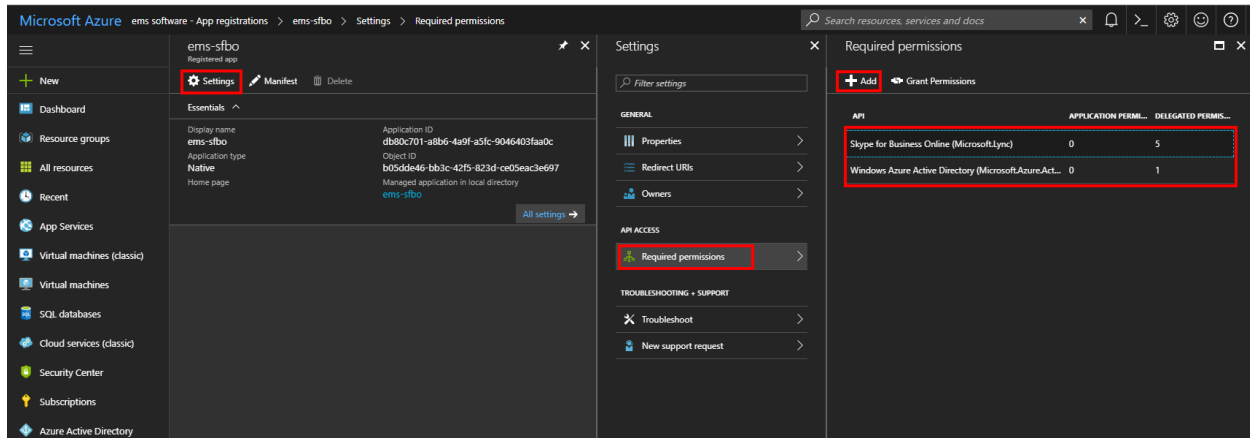


Modify Skype App permissions:

Click on Skype app from App registrations

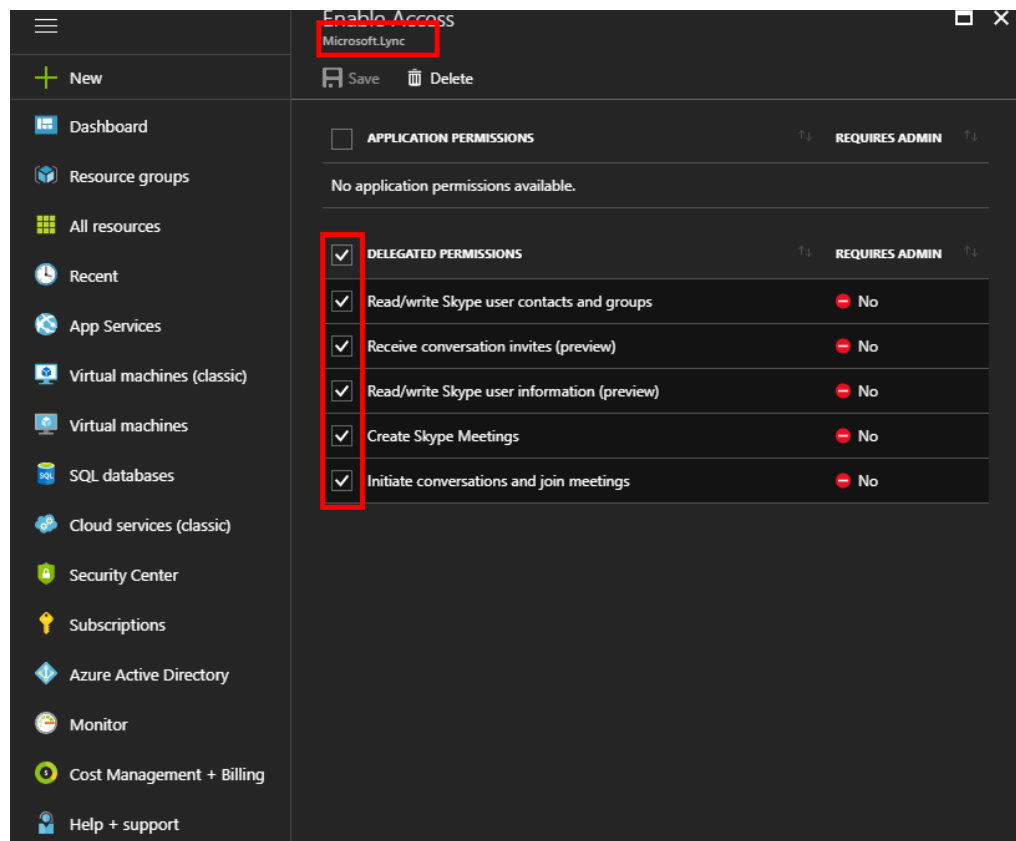
Click Required permissions

Click Add



Grant permissions

Select all permission for Skype for business online



The screenshot shows the 'Enable Access' dialog box in the Azure portal. The 'Microsoft Azure Active Directory' resource is selected. The 'DELEGATED PERMISSIONS' section is expanded, showing a list of permissions. The 'Sign in and read user profile' permission is checked, and the 'REQUIRES ADMIN' column indicates 'No' for this permission. Other permissions like 'Access the directory as the signed-in user', 'Read directory data', 'Read and write directory data', 'Read and write all groups', 'Read all groups', 'Read all users' full profiles', 'Read all users' basic profiles', and 'Read hidden memberships' are listed with their respective 'REQUIRES ADMIN' status.

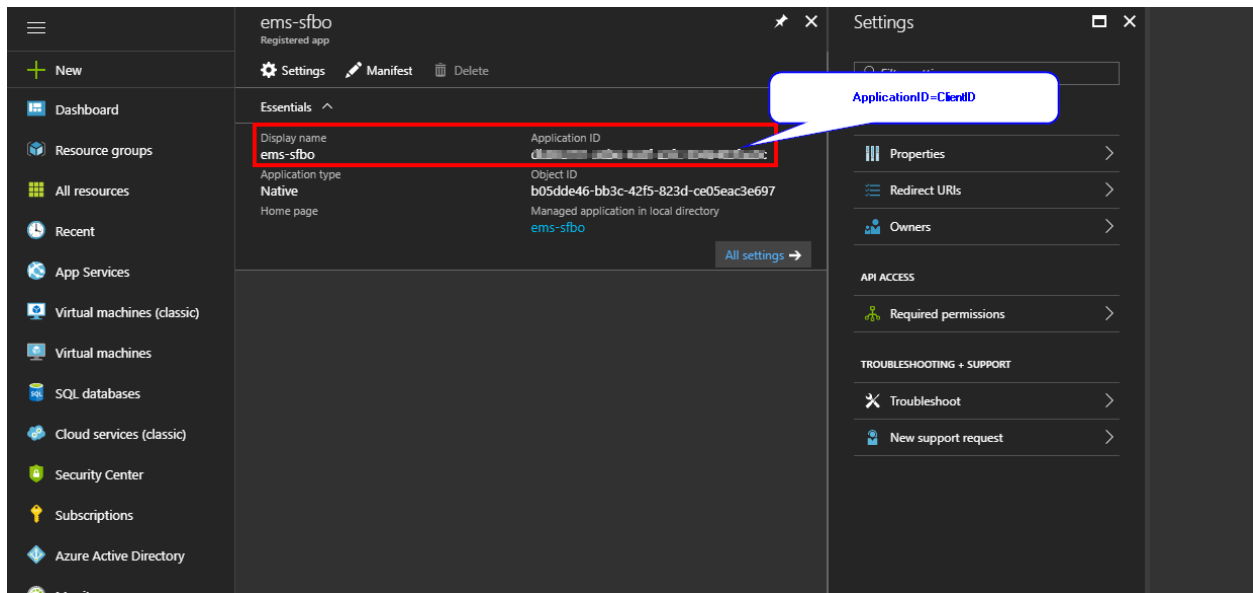
APPLICATION PERMISSIONS	REQUIRES ADMIN
No application permissions available.	
DELEGATED PERMISSIONS	REQUIRES ADMIN
<input type="checkbox"/> Access the directory as the signed-in user	No
<input type="checkbox"/> Read directory data	Yes
<input type="checkbox"/> Read and write directory data	Yes
<input type="checkbox"/> Read and write all groups	Yes
<input type="checkbox"/> Read all groups	Yes
<input type="checkbox"/> Read all users' full profiles	Yes
<input type="checkbox"/> Read all users' basic profiles	No
<input checked="" type="checkbox"/> Sign in and read user profile	No
<input type="checkbox"/> Read hidden memberships	Yes

***From this Skype app one should be able to add multiple URI (for testing and production URI) there is no need to create separate Skype apps for each environment if they have one Skype for Business Online account.

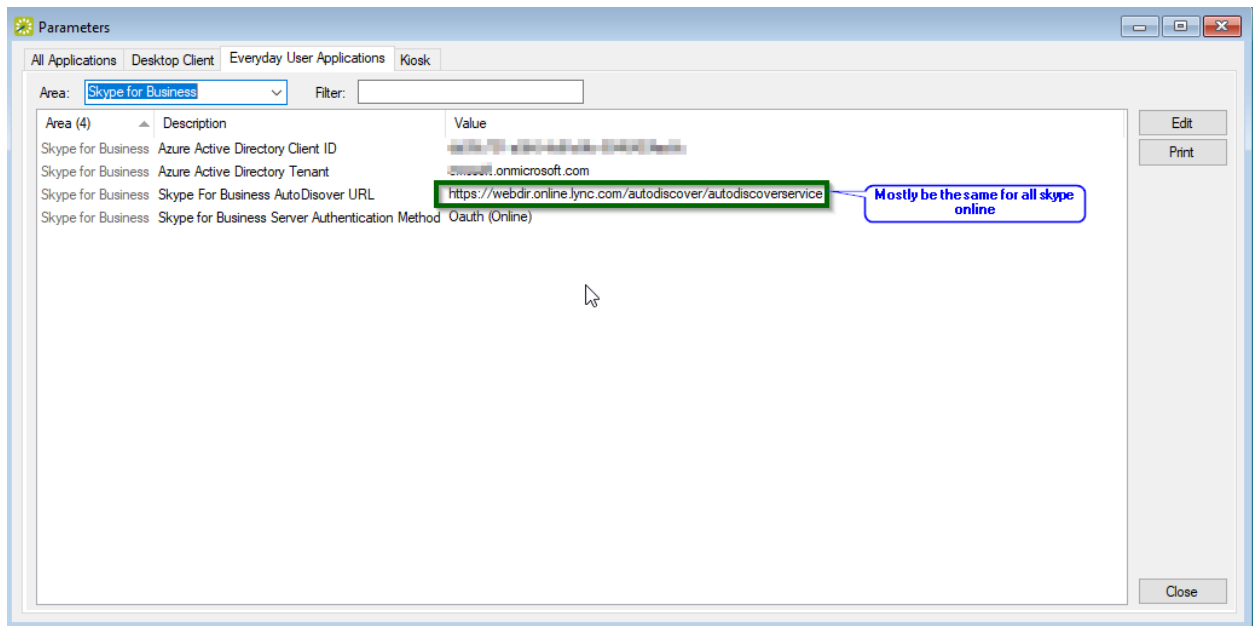


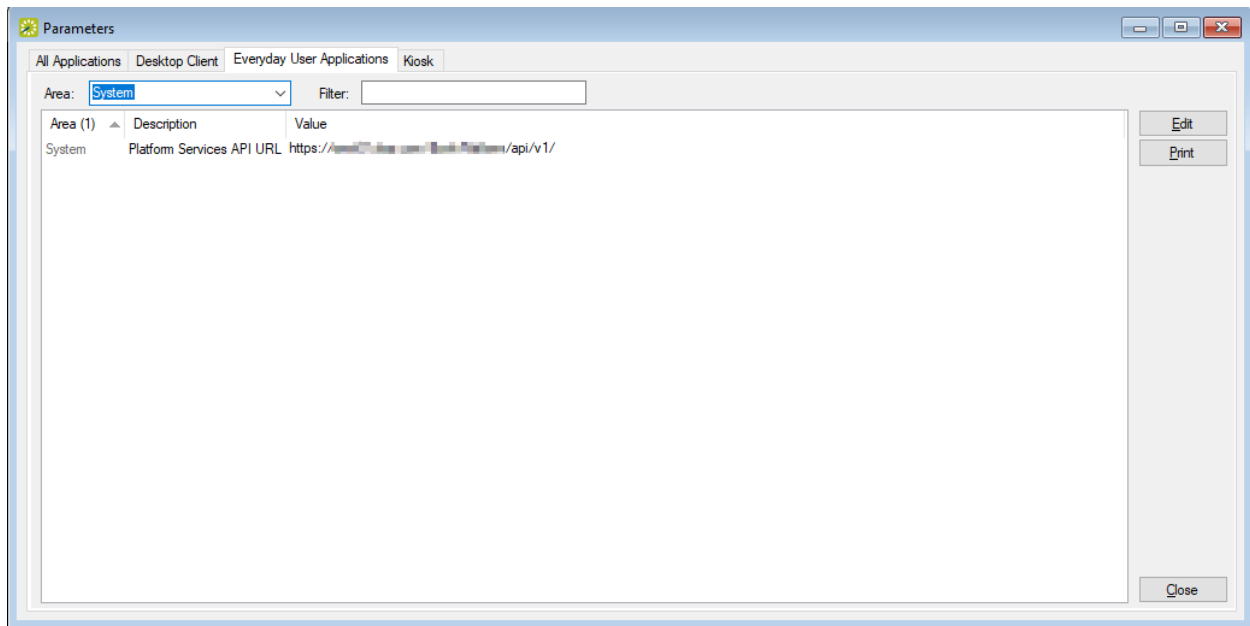
Side Note

Please note Client ID that you will need to add in the EMS parameters



EMS Parameter should be something like this:





1. When one is updating web app, ensure to re-enter/reissue (from platform) secret key in the new web.config file.
This hashed secret key is also stored in tbl.client

Note: You may need to add <https://login.microsoftonline.com> and Web App server in the same Internet zone. This is how Microsoft verify and send token key back to web app/platform server