SKYPE FOR BUSINESS INTEGRATION - CONFIGURATION

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Skype for Business Deployment Models

Supported Skype Products -

- Skype for Business Online

- Skype for Business Server (On-prem) version 2015

Other configuration -

- Skype for Business Hybrid* [Recommended configuration – SFB Online]

Skype for Business – Key Considerations

- Skype for Business is *ONLY* available for exchange enabled templates

- Authentication to skype method depends on client Skype product and authentication configuration.

- Skype for Business configuration and settings are available in desktop client

Skype for Business Configuration – Desktop Client

- Global and Template level parameter to enable/disable Skype integration (Template settings override global settings)
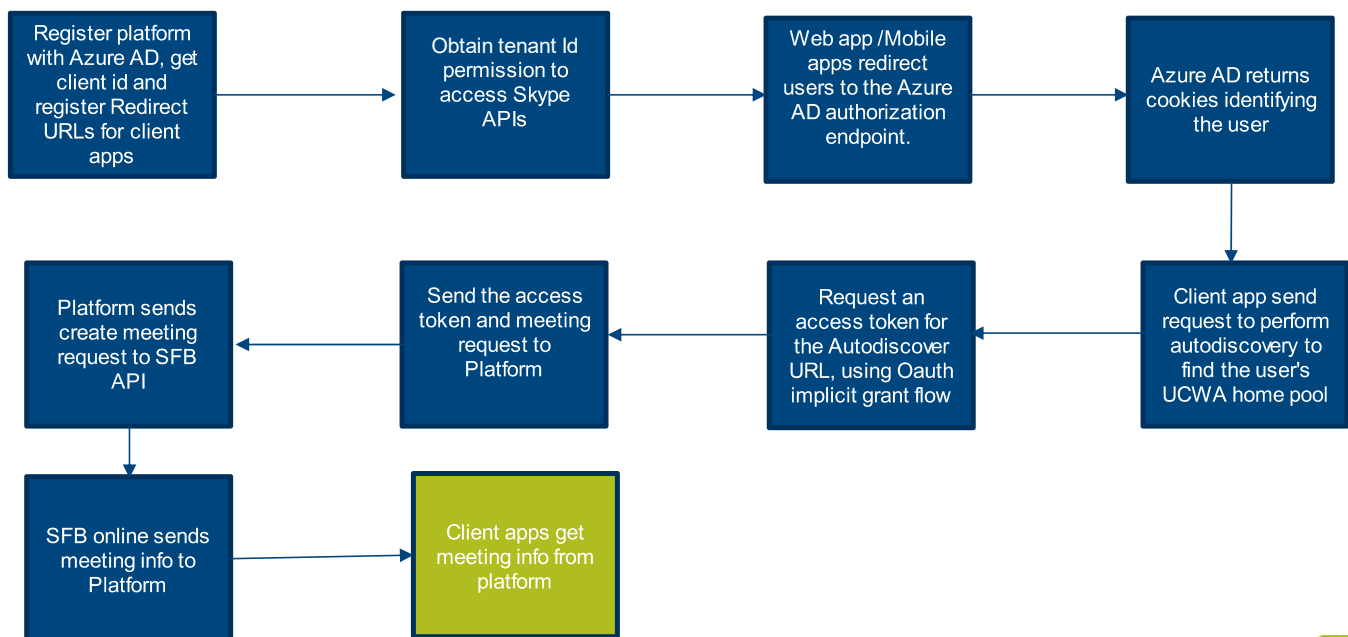- Default value – No

SFB Online

- Client Application authenticates against Azure Active Directory to obtain rights to access the Skype APIs (Unified communications Web API 2.0)
- Authentication method – Oauth

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SFB Online – authentication and authorization (TBD)

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┌─────────────────┐      ┌─────────────────┐      ┌─────────────────┐      ┌─────────────────┐
│ Register platform│ ──→ │ Obtain tenant Id │ ──→ │ Web app /Mobile │ ──→ │ Azure AD returns │
│ with Azure AD, get│    │ permission to   │    │ apps redirect   │    │ cookies identifying│
│ client id and   │     │ access Skype    │    │ users to the Azure│   │ the user        │
│ register Redirect│     │ APIs            │    │ AD authorization │    │                 │
│ URLs for client │     │                 │    │ endpoint.       │    │                 │
│ apps            │     │                 │    │                 │    │                 │
└─────────────────┘      └─────────────────┘      └─────────────────┘      └─────────────────┘
                                                                                   │
                                                                                   ↓
┌─────────────────┐      ┌─────────────────┐      ┌─────────────────┐      ┌─────────────────┐
│ Platform sends  │ ←── │ Send the access │ ←── │ Request an      │ ←── │ Client app send │
│ create meeting  │     │ token and meeting│    │ access token for│    │ request to perform│
│ request to SFB  │     │ request to      │    │ the Autodiscover│    │ autodiscovery to │
│ API             │     │ Platform        │    │ URL, using Oauth│    │ find the user's  │
│                 │     │                 │    │ implicit grant flow│  │ UCWA home pool   │
└─────────────────┘      └─────────────────┘      └─────────────────┘      └─────────────────┘
        │
        ↓
┌─────────────────┐      ┌─────────────────┐
│ SFB online sends│ ──→ │ Client apps get │
│ meeting info to │     │ meeting info from│
│ Platform        │     │ platform        │
└─────────────────┘      └─────────────────┘
```

SFBO – Configuration

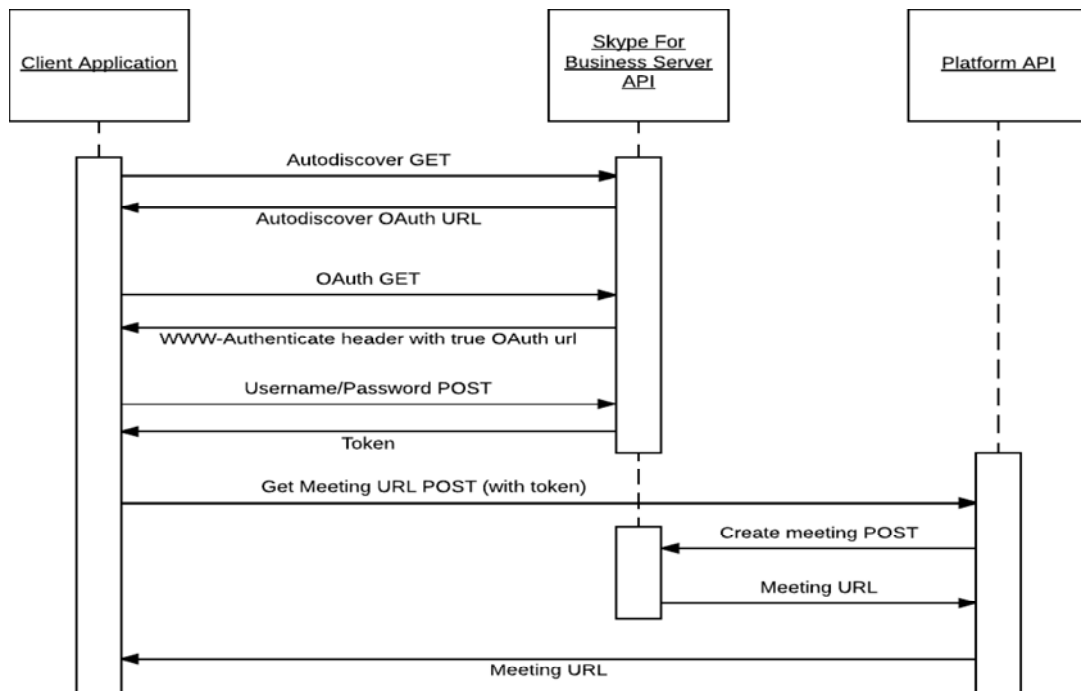| Parameter	Required for Mobile	Required for Webapp	Value	How to obtain the value
Active Directory Client Id	✓	✓	The ID of the registered application (see link)	https://msdn.microsoft.com/en-us/skype/ucwa/registeringyourapplicationinazuread
Active Directory Tenant	✓	✓	The name of the AD tenant	https://docs.microsoft.com/en-us/azure/active-directory/develop/active-directory-howto-tenant
Skype for Business Auto Discover URL	✓	✓	The URL to use when performing auto discover to find the real server to talk to	https://msdn.microsoft.com/en-us/skype/ucwa/authenticationusingazuread
Skype for Business Server Authentication Method	✓	✓	Authentication Type	Oauth

Authentication - SFB Online

- Everyday users will authenticate to SFB for the first time
- The client application monitor the expiration time and refresh the token as required and users will not be required to authenticate only if they sign out of EMS mobile app and EMS web app

Skype for Business Server On-Prem

- Application authenticates against customer's Skype for Business server with its own Active Directory.

- Authentication methods supported –

  - Username/password

  - Integrated windows auth

  - Passive auth via ADFS (only on Webapp)

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SFB Server Authentication and Authorization (TBD)

SFB Server – Configuration

Parameter	Required for Mobile	Required for Webapp	Value	How to obtain the value
Skype for Business Auto Discover URL	✓	✓	The URL to use when performing auto discover to find the real server to talk to	https://ucwa.skype.com/documentation/GettingStarted-RootURL
Skype for Business Server Authentication Method	✓	✓	Authentication Type	• Integrated windows auth • Passive auth via ADFS (Not supported on Mobile app) • Username/password

Authentication on SFB server

- Lifetime of Oauth access token for SFB Server is 8 hours

- The client application monitor the expiration time and refresh the token as required but refreshing a token for authenticated users is the same flow as acquiring a new token.

- For Integrated windows auth and passive (ADFS) type web app users will not be required to authenticate after 8hours. However mobile app users will have to reauthenticate after every 8 hours irrespective of the auth type

Thank you!