



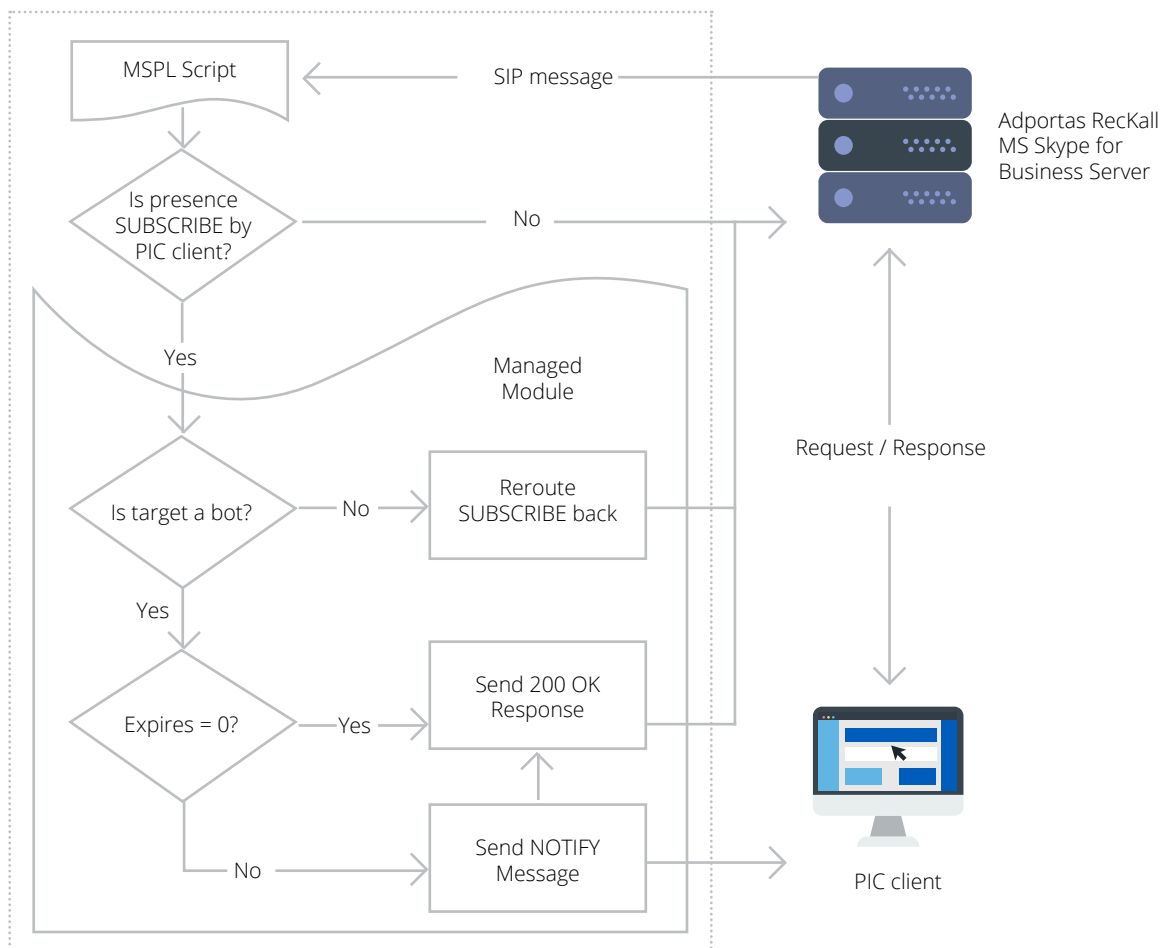
1. Microsoft Skype for Business Active Recording description.

Microsoft Skype for Business¹ Active Recording is an Adportas RecKall capturing module developed as a recording solution for VoIP calls using IP/PBX MS Skype for Business¹.

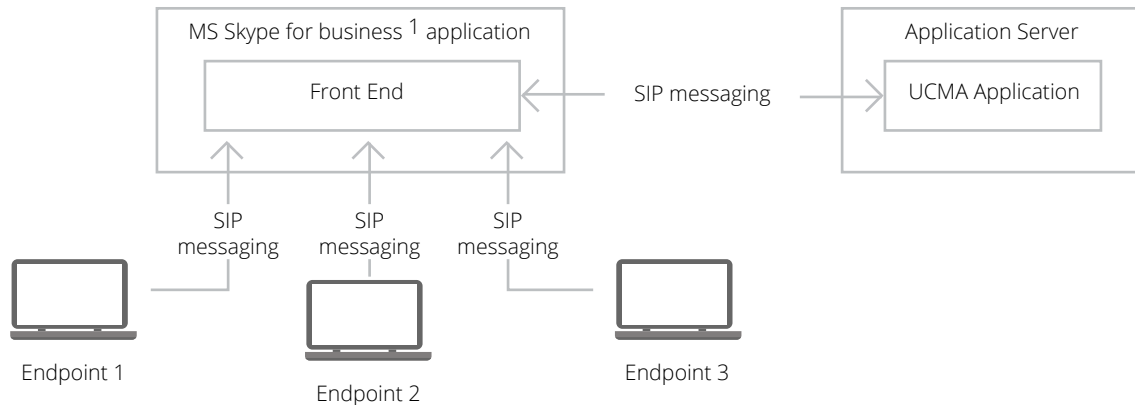
This module is used by the Adportas RecKall system to monitor the status (dialing, speaking, ringing etc.) of all those VoIP network telephones to be recorded and to redirect and capture audio of monitored calls.

For a recording to be made using Active Recording, a MSPL script must be created between the IP telephony central (Microsoft Skype for Business¹) and the Adportas RecKall recording server. Additionally, a trusted application must be configured in the Microsoft Skype for Business¹ server so that its telephone central can include it in its trusted applications list. Once these configurations are active and the recorded endpoints have been set on the Adportas RecKall server, every time any of these phones makes or receives a call the Adportas RecKall server will receive the audio streams and a conference with the recorder will be initiated. The recording server will then accept the invitations and send an audio RTP to the Adportas RecKall recorder which will then capture and index this audio traffic, and once the call has ended, incorporates it in the system as a new recording.

2. Adportas RecKall Microsoft Skype for Business¹ app architecture.



UCMA application.



3. Description of incoming call recording.

Considerations:

1. A call is received by a *Microsoft Skype for Business* 1 endpoint being monitored by the recording server (*Adportas Reckall*).
2. The IP central (*Microsoft Skype for Business* 1 Server) directs this call to the "*Adportas Microsoft Skype for Business* 1 Active Recording" (*UCMA Application*) module over an *MSPL* script. The internal user answers the call. The monitored endpoint begins interchanging audio streams with the external endpoint.
3. "*Adportas Microsoft Skype for Business* 1 Active Recording" (*UCMA Application*) receives and responds call recording configuration messages from the central IP (*Microsoft Skype for Business* 1 Server) for the monitored phone's voice via *SIP* protocol. The monitored *Skype for Business* endpoint will begin sending user's voice audio streams to the recording server. Once this sequence is over, the calls between the monitored endpoint and the recording server will cease and the new recording will be incorporated in the system.

4. Main characteristics.

4.1 Recording.

- Active recording mode
- Recording of incoming and outgoing calls, both internal and public network
- Permanent recording
- On-demand recording
- Screen activity recording (optional)
- Encrypted call recording (128 bit key)
- Transferred call sequence and conference recording
- Encrypted or open format storage: PCM (*CODEC* G.729), .WAV (*CODEC* G.711) and .OGG (*Speex CODEC*)
- Backup on optic media, shared folders and external backup devices

4.2 Administration web interface.

- Search by counterpart *ANI*, extension, type of call, date, duration, cost center, login, metadata
- Integration of additional metadata
- Multiple profiles for flexible configuration of users and supervisors
- Monitoring of specific *ANIs*
- Administration of recording groups (cost center)
- Mark tags during playback to find points of interest
- Integrated playback engine and video download
- User activity traceability
- System health control panel and reports