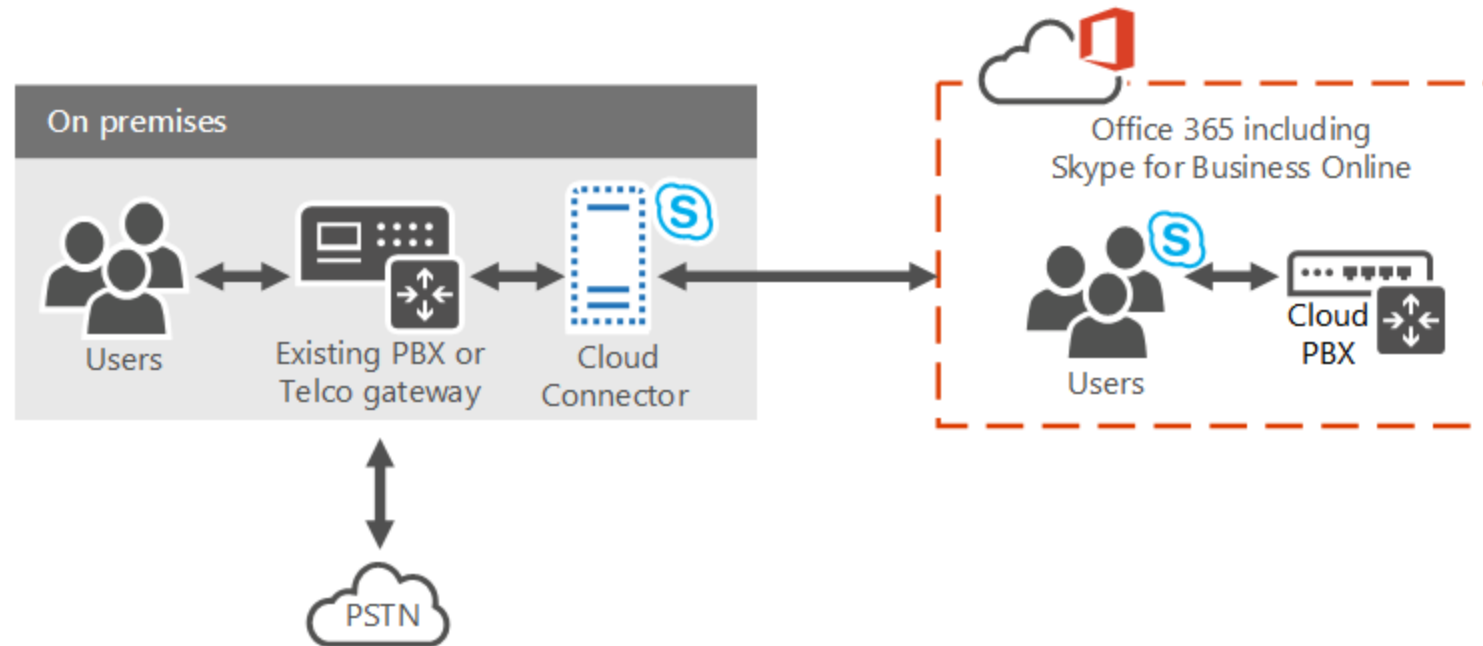


AudioCodes CCE Appliance

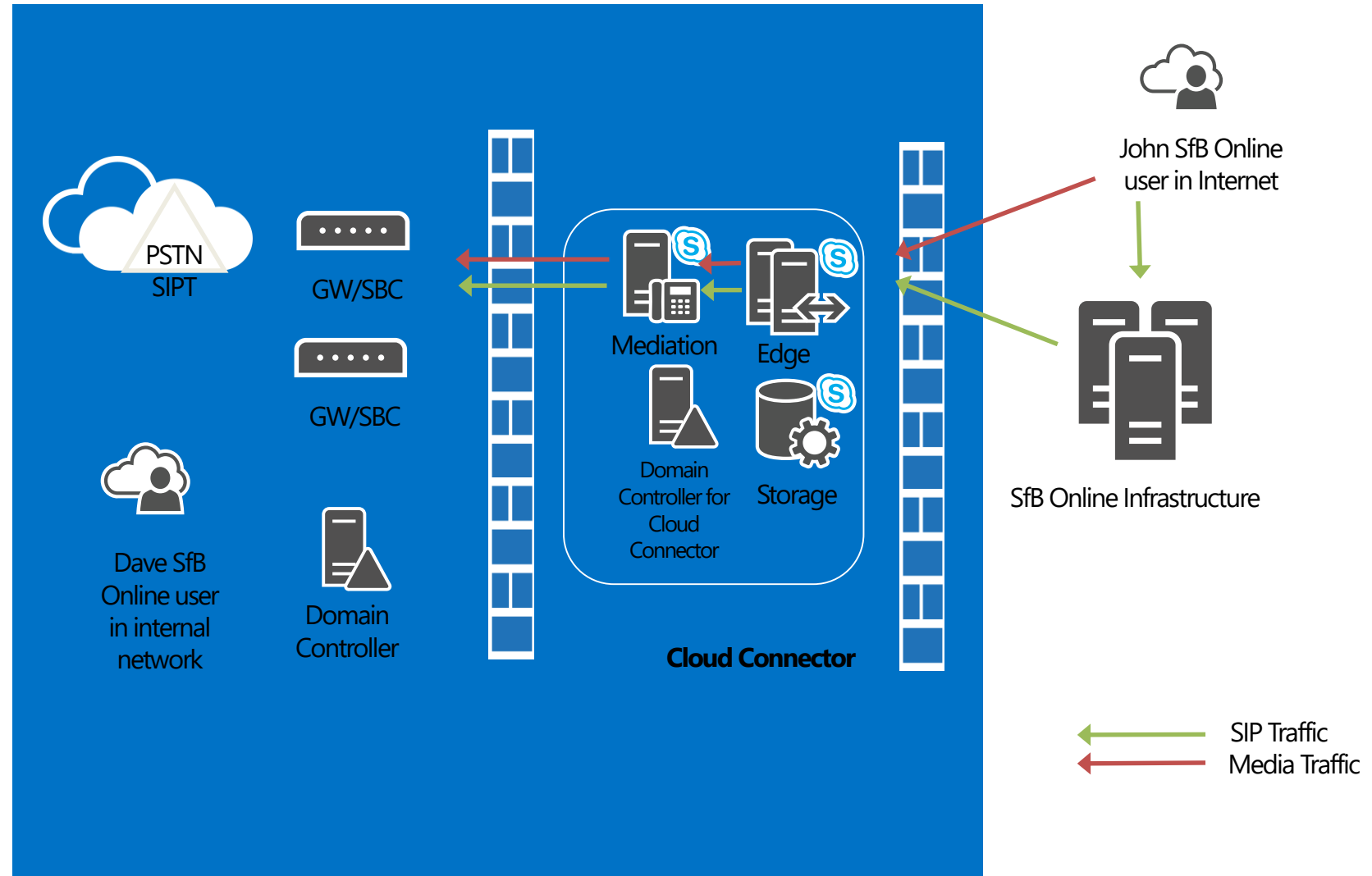


- 微軟的 **Cloud Connector (CCE)** 是一組虛擬機器 (VMs) ，用來實現地端的PSTN與雲端的PBX (CloudPBX) 界接機制。
- 此種混合雲(Hybrid)架構提供了讓 **Skype for Business Online** 使用者可以使用地端的PSTN線路進行撥打/接聽電話的行為。話務由雲端的交換機控制。



- 是一個可下載的應用程式，包含4個伺服器角色，分別裝於四個VM中
- 可自由下載
- 必須自備伺服器硬體
- 必須使用Windows Server Data Center Edition or Win 2012R2 STD
- 必須有額外的 Gateway 或 SBC 連接至交換機或 PSTN線路





- **AudioCodes** 提供整合式的**CCE** 硬體設備，提供了**CCE**既有的優勢，並整合了**Gateway/SBC**於一身，例如包含了**Gateway/SBC**功能的**M800 CCE** 或是提供較高容量的**High Capacity CCE appliance (HP server)**
- 讓企業可以使用自家的**PSTN**服務(繼續現行合約)
- 使用者容量決定於所需**SBC/E1/T1**的流量
 - 可允許高使用者量，因所有使用者皆註冊於雲端，非地端設備。
 - 依據 **MSFT** 規格，單一個**CCE**可容納至 **500 concurrent calls**
 - **Mediant 800** 支援 **180 concurrent calls** (一般可服務至 **500** 使用者)
- 支援**HA (active-active) appliance**
- **Pricing**
 - High End CCE appliance , based on the HP server (the same from the CB), and with AC VSBC
 - CCE software is FREE
 - Windows O/S licensing included
 - Charge per required PSTN or SBC capacity

Aligned with Microsoft on the installation experience
Identical experience to when installed on external server

Mediant CCE Appliance



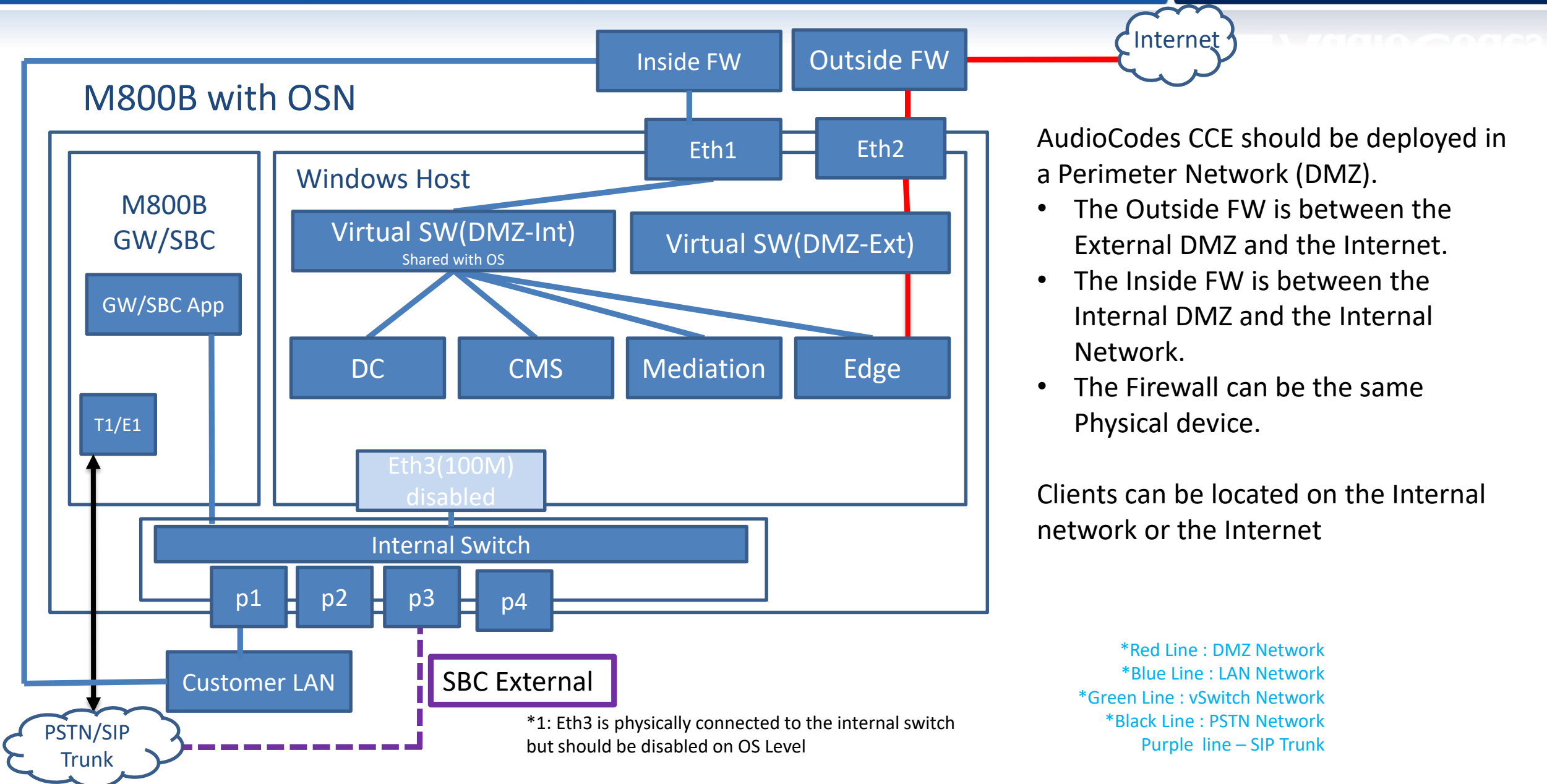

MEDIANT 800
CCE Appliance




MEDIANT SERVER
CCE Appliance

Microsoft Cloud Connector Edition	Including Domain Controller, Mediation Server, Edge Server, CMS	
CCE Appliance call Capacity	Up to 180 calls	Up to 500 Calls
Integrated Gateway	A mix of E1/T1, FXS, FXO, ISDN BRI	-
Size	1U	1U
Host Processor for CCE	CPU i7 with 4 cores, 32GB RAM, 512G SSD	2 Processors with 12 Cores, 64GB RAM, Dual Power Supply, 4HDD with RAID 5
Centralized Dial Plan	√ Simple integration with AudioCodes Routing Manager for powerful global dialing plan including least call routing, quality based routing, local breakout, optimal media handling, global policies and black/white lists	
PSTN Calls Recording	√ Using SIP-Rec standards integration with AudioCodes SmartTAP for media recording and call detail records (CDR)	
Local Call Detail Records (CDR) for enterprise billing systems	√	√
Analog Device support for Microsoft Cloud PBX	√ Integrated with internal FXS ports, and ability to register external SIP Analog Gateways, including AudioCodes high capacity MP-1288	√ Integrative with external SIP Analog Gateways, including AudioCodes high capacity MP-1288
Windows OS License	Included	Included

M800B-V-1ET4S-CCE	Mediant 800 AudioCodes Appliance for Microsoft CCE - with 1 E1/T1 and 4 FXS interfaces Including Microsoft Windows 2012R2 licensing for 4 VM SBC sessions can be ordered separately (up to 185 sessions)
M800B-ESBC-4S-CCE	Mediant 800 AudioCodes Appliance for Microsoft CCE - with 30 sessions SIP Trunk and 4 FXS interfaces Including Microsoft Windows 2012R2 licensing for 4 VM Additional SBC sessions can be ordered separately (up to 185 sessions)
M800B-V-8B4S-CCE	Mediant 800 AudioCodes Appliance for Microsoft CCE - with 8 BRI and 4 FXS interfaces Including Microsoft Windows 2012R2 licensing for 4 VM SBC sessions can be ordered separately (up to 185 sessions)
M800B-V-2ET4S-CCE	Mediant 800 AudioCodes Appliance for Microsoft CCE - with 2 E1/T1 spans and 4 FXS interfaces Including Microsoft Windows 2012R2 licensing for 4 VM SBC sessions can be ordered separately (up to 185 sessions)
M800B-V-4S8O-CCE	Mediant 800 AudioCodes Appliance for Microsoft CCE - with 4 FXS and 8 FXO interfaces Including Microsoft Windows 2012R2 licensing for 4 VM SBC sessions can be ordered separately (up to 185 sessions)



AudioCodes CCE should be deployed in a Perimeter Network (DMZ).

- The Outside FW is between the External DMZ and the Internet.
- The Inside FW is between the Internal DMZ and the Internal Network.
- The Firewall can be the same Physical device.

Clients can be located on the Internal network or the Internet

*1: Eth3 is physically connected to the internal switch but should be disabled on OS Level