



Microsoft Teams 行動辦公室

- ◆ 整合交換機
- ◆ 會議室規劃

ESI 易通科技



關於ESI易通科技



- **UC整合通訊**和**視頻解決方案**提供者
- 協助企業建置微軟**Skype for business**和**Teams**，搭配電話系統的建置、VOIP、視頻會議和周邊設備的應用，快速組建企業行動辦公室。

| 香港微軟的
Gold Communication Partner
Microsoft Partner
Gold Application Development

| 客服系統與網路安全領域



| AudioCodes的代理商



完整專案週期

從設計到支援

Day0
to
Day2

預期

專案緣由
ROI計算
專案目標



計畫與設計

雲端 vs 地端 或混合雲
使用者適應策略
PSTN連接性規劃
遠端辦公室推行計畫



加強與上線後服務

實作後支援服務
維護/管理/變更/部署
支援專線與窗口
監控中心設定



評估與分析

現有語音系統的實施前評估和
分析以及遷移策略的規劃



實作

移轉計畫
先期導入團隊與主要群組
系統與使用者訓練
PSTN路由規劃與政策



上線後支援與後續

自管或託管服務
資源 (微軟高手?)
中央管理
通話品質監控與告警通知
升級與持續計畫



我們的專業服務

SHENZHEN
MALAYSIA
TAIWAN
HONG KONG
SINGAPORE
CHINA

MORPHISEC
Moving Target Defense

- Research & Development
- Branch Office Community Network
- IVR & IVRS Solution / Hostings
- SIP Based Mobile Apps
- Contact Center Solutions
- UC Solutions & Hardware
- Skype for Business Solutions & Integration
- VoIP Gateways
- Telephony System
- Maintenance & System Analysis
- Audio & Video Conference

完美的端點防禦組合
Morphisec MTD + Windows Defender AV

/ Product Highlights

企業通訊解決方案

整合通訊

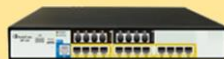
Skype for Business



Deltapath

Mitel
Powering connections

AudioCodes UC Solution



客服中心

錄音與傳真



專業
服務

系統整合
建置

專業諮詢
系統維護

現場展示

資安軟體



客戶體驗中心



終端商品

audiocodes



Lenovo



logitech

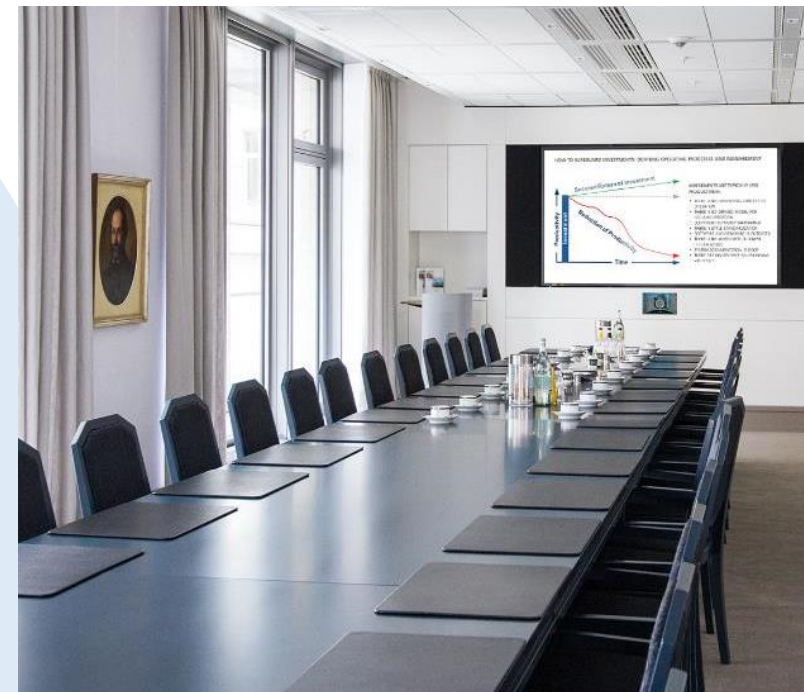


plantronics



Jabra GN





Teams行動分機

聽說Teams也可以打電話

Teams視訊會議

會議室設備解決方案

Teams 行動分機

整合交換機

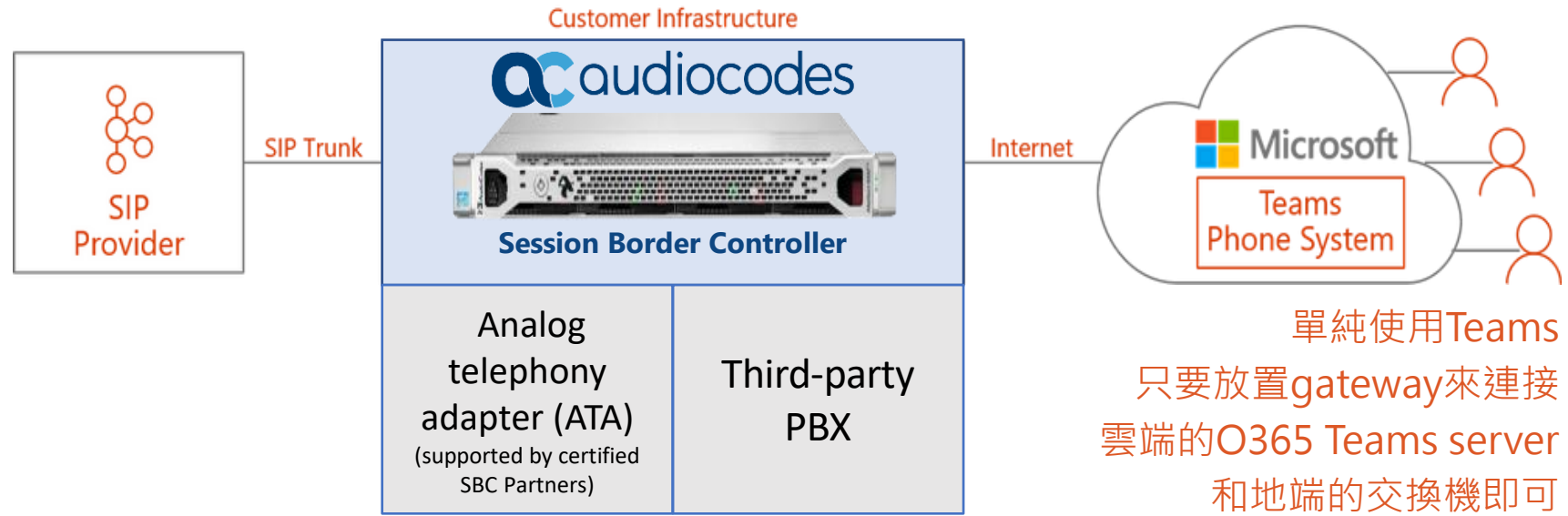
Direct Routing



Microsoft Teams PSTN connectivity using Direct Routing

What is Direct Routing?

A capability of Phone System to connect Microsoft Teams to PSTN or 3rd party **on-prem** infrastructure



單純使用Teams
只要放置gateway來連接
雲端的O365 Teams server
和地端的交換機即可

Connect to local PSTN trunk

For countries where Microsoft Calling plans are not available
Customers that want to keep existing telco contract

Interoperability with third-party systems

Mix two systems (for example, provide the option to connect analog devices), legacy PBX / IP PBX

Teams Direct Routing Deployment

Requirements to each involved party

- ❑ Phone System
- ❑ Teams client
- ❑ Support (including incident transfers been Microsoft and SBC vendors)
- ❑ Configuration guidance/documentation
- ❑ Existing OCS/Lync support

Microsoft

- ❑ Telephony trunk
- ❑ Support

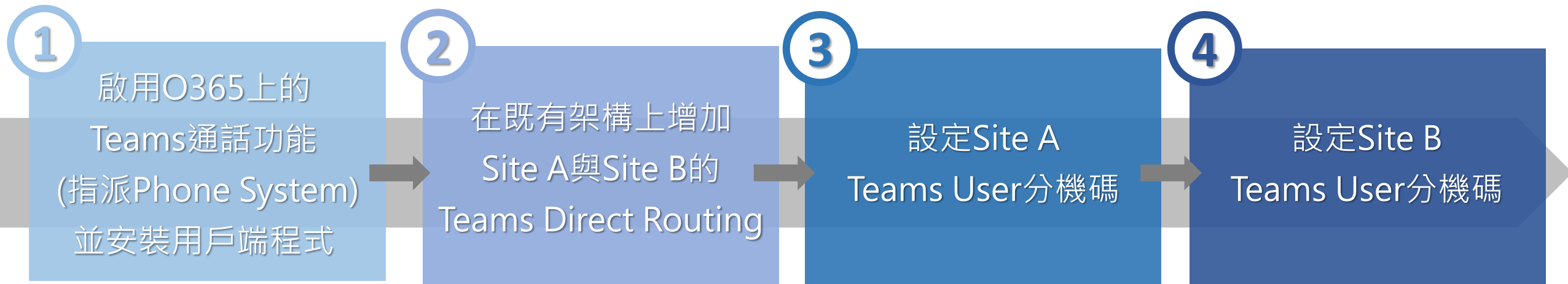
Carrier

- ❑ "E5" or "E3 + Microsoft Phone System Licenses"
- ❑ Contract with Carrier
- ❑ The supported SBC (including the support contract)
- ❑ Access to the SBC from the Office 365
- ❑ Public IP
- ❑ FQDN
- ❑ Certificate
- ❑ Configuration of SBC with Office 365 and Carrier (can be Microsoft partners)

Customer

Configuration and support includes interaction between four entities: Microsoft, SBC Vendor, Customer support and consultants, Carrier

啟用Teams行動分機程序



PBX廠商：分點的PBX設定路徑規則
例如：731XXX ~ 799XXX都往gateway送



6

建立Dial plan

Site的撥號規則 – 建立在Teams Server

1
Local 撥號
撥號免撥打區碼
碼數 8 碼

2
國內各區撥號
區碼 + 市話號碼
碼數 9 或 10碼

3
行動電話號碼
10碼

4
可撥打的 Service number
3 碼
110, 112, 117, 119
4 碼
1968, 1999,
5 碼
55688
7 碼全省統一號碼
412-XXXX

7
SFB/Teams user 撥打各據點 交換機內線分機
71XXXX, 72XXXX
往 現有 VOIP 送

6
撥打SFB/Teams user
6 碼 SFB/Teams user 號碼

5
國際電話 撥號方式
+ 國碼 區碼 市話號碼
或
+ 國碼 行動電話號碼
(碼長限制)

7

建立Voice Policy

設定User的Voice Policy (撥號權限)

例如：能不能撥國際碼、
能不能撥手機 ...

Edit Voice Policy - TW-Taichung-Interational

✓ OK ✗ Cancel

Scope: User
Name: *
TW-Taichung-Interational

Description:
Allows IDD calls from TW

Calling Features

- Enable call forwarding
- Enable delegation
- Enable call transfer
- Enable call park
- Enable simultaneous ringing of phones
- Enable team call
- Enable PSTN reroute
- Enable bandwidth policy override
- Enable malicious call tracing
- Enable busy options
- Enable busy options for Federation

Associated PSTN Usages

+ New Select... Show details... Remove ↑ ↓

PSTN usage record	Associated routes
TW-Taichung-Local	TW-Taichung-Local
TW-Taichung-Mobile	TW-Taichung-Mobile
TW-Taichung-Interational	TW-Taichung-Interational

DIAL PLAN VOICE POLICY ROUTE PSTN USAGE TRUNK CONFIGURATION TEST VOICE ROUTING

Create voice routing test case information

Search bar

+ New Edit Action Commit

Name	Scope	State	PSTN usage	Description
Global	Global	Committed	Test SBC, Internal, Local, Long...	
M500 to CHT	User	Committed	M500 to CHT Test	
Taichung-AcceptAll	User	Committed	TW-Taichung-Local, TW-...	
Test-ToM1K190	User	Committed	Internal, Local, Long Distance	
TW-O365	User	Committed	TW-O365	Local to O365
TW-Taichung no IDD	User	Committed	Outbound TW no 00x	
TW-Taichung-Interational	User	Committed	TW-Taichung-Local, TW-...	Allows IDD calls from TW
TW-Taichung-Local	User	Committed	TW-Taichung-Local, TW-...	Allows local calls from Taiwan
TW-Taichung-Mobile	User	Committed	TW-O365, TW-Taichung-Local,...	Allow Mobile calls from TW

7

建立Voice Policy

Voice Routing Policy

User from Neihu makes a call to +1 (800) 642-7676

Voice Routing Policy exists?

Yes

Voice Routing Policy

PSTN Usage 3

PSTN Usage 2

PSTN Usage 1

Usages evaluated in order
Every usage can have multiple routes

At least one route matches the dialed pattern

Try the call via SBC(s) in the route(s)

No

All SBCs not functional

Success

Call Failed

Call via Direct Routing

依照 User Policy 來判斷
是否可以使用 PSTN
以及從哪些地區撥出

Teams視訊會議

會議室設備解決方案



Meeting Room Solution

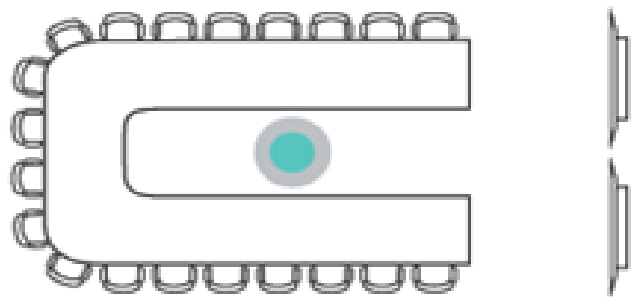


**Logitech
Meeting Room
Device**



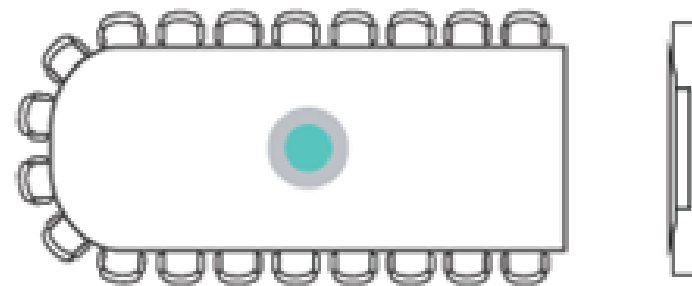
**Lenovo
ThinkSmart Hub 500**

專案
套裝 A



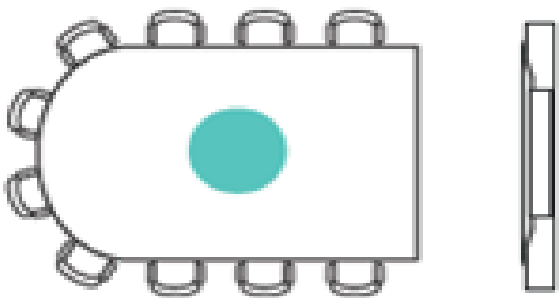
- Lenovo smarthub 500
- Logitech Rally Plus + 麥克風 * 1~5

專案
套裝 B



- Lenovo smarthub 500
- Logitech Rally 基本套裝

專案
套裝 C



- Lenovo smarthub 500
- Logitech Group
- Group 延展麥克風(選購)

專案
套裝 D



- Lenovo smarthub 500
- Logitech Meetup

專案套裝 A 大型會議室

會議室人數：15~45人



- Lenovo smarthub 500
- Logitech Rally Plus + 麥克風 * 1~5
單顆麥克風收音範圍為直徑4.2公尺
可依需求在做配置調整
- Logitech Rally Speaker(選購)
- Logitech Rally Mic Pod(選購)
- Logitech標準安裝套裝*1(選購)
- Spotlight簡報器*1(選購)



專案套裝 B

大型會議室

會議室人數：10~15人



- **Lenovo smarthub 500**
- **Logitech Rally 基本套裝**
單顆麥克風收音範圍為直徑4.2公尺
可依需求在做配置調整
- **Logitech標準安裝套裝*1(選購)**
- **Spotlight簡報器*1(選購)**



專案套裝 C
大型會議室

會議室人數：10~15人



- Lenovo smarthub 500
- Logitech Group
- Logitech Group 延展麥克風 (選購)
Group主麥克風收音範圍為直徑6公尺
搭配延展麥克風可擴展為直徑8.5公尺
- Spotlight簡報器*1(選購)



專案套裝 D

大型會議室

會議室人數：1~6人



- Lenovo smarthub 500
- Logitech Meetup
- Logitech Meetup 延伸麥克風*1(選購)
Meetup收音範圍為直徑2.4公尺
搭配延伸麥克風可達直徑4.2公尺
- Spotlight 簡報器*1(選購)



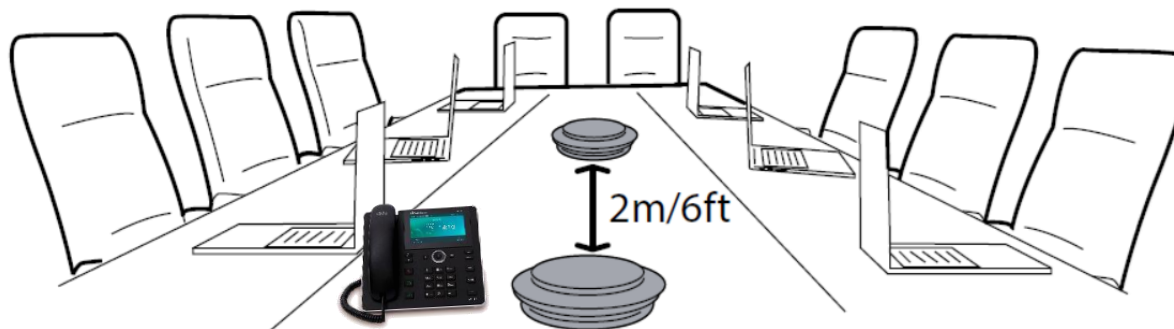
Huddle Room Solution

audiocodes

可登入SFB帳號直接加入會議
無須透過NB或PC



UC-HRS-457D



UC-HRS-458

A Bluetooth headset
which you can speak with confidence

行動業務



Plantronics
Voyager 5200UC

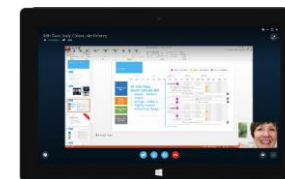


Jabra
Motion

Case sold
separately



自備



微軟Skype for Business / Teams 專用耳機

Jabra GN



Evolve 65



Evolve 75

plantronics®



C5220



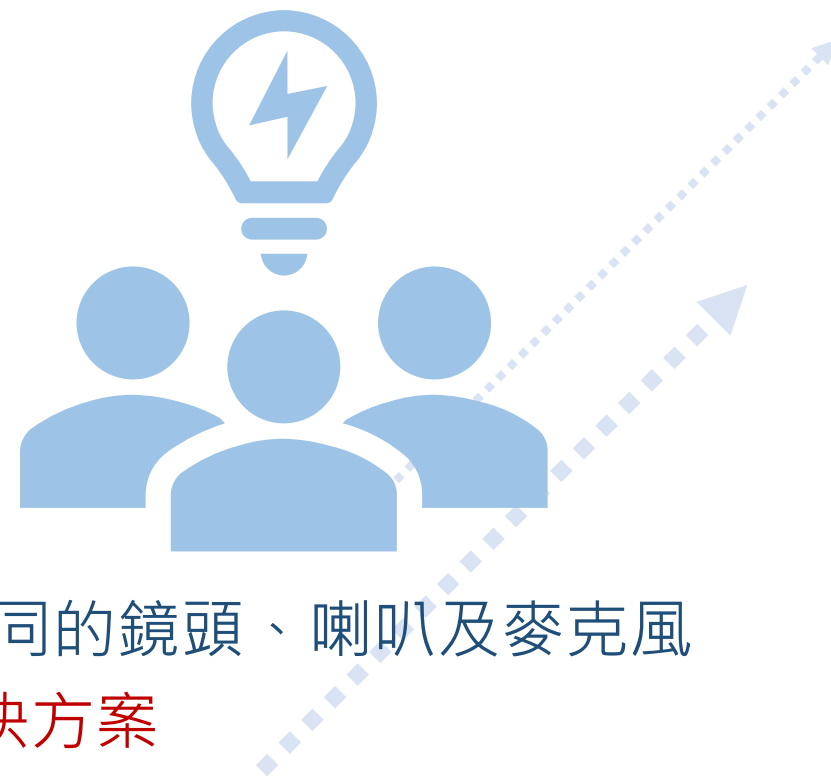
Focus UC

1

Teams 為微軟所提出的最新 UC&C 協作平台，
包含語音(話機共振)、視訊會議、線上編輯、整合行事曆等強大功能
其「專案團隊」之概念使公司內部可以有效的整合溝通，提升生產力

2

Teams 也可以打電話達到行動分機的功用
ESI 易通科技 幫您專案規劃整合交換機



3

因應 Teams 視訊會議需求，各大廠牌出了不同的鏡頭、喇叭及麥克風
我們能幫您規劃及提供CP值最高的會議室解決方案



Together

ESI

AudioCodes

Microsoft

So-good