Microsoft

Microsoft Academyadi
la partecipazione che ti premia

Microsoft Teams Deployment & Communications

Alessandro Appiani

- Welcome
- Microsoft Teams Deployment (Best Practice)
- Upgrading from Skype for Business to Teams
- Microsoft Surface for Business

- Partner of the Month award winners
- Microsoft Teams Calling and Telephony
- Microsoft Teams Devices
- Microsoft Teams Meetings & Videoconference
- Q&A

Microsoft Teams Deployment & Communications

Alessandro Appiani

Alessandro Appiani

- 30-years experience in IT Technologies and Solutions
- Computer Science Master's Degree (magna cum laude) in 1989
- Founder of Italian Association for Artificial Intelligence in 1988
- Microsoft Certified since 1995
- Microsoft TechNet speaker & Train-the-trainer since 1996
- MVP Reconnect, MCITP Windows+Exchange+Lync+Office365
  - Microsoft Most Valuable Professional 2016-2019 (Teams/Office Servers)
  - Microsoft Windows Expert since version NT 3.51 (1995)
  - Microsoft Exchange Expert since first product release (Exchange 4.0 - 1996)
  - Microsoft Teams/Lync/Skype Expert since first product release (LCS - 2003)
  - Microsoft Office 365 Expert since first Cloud version (BPOS - 2009)
- Pulsar IT Founder & CTO
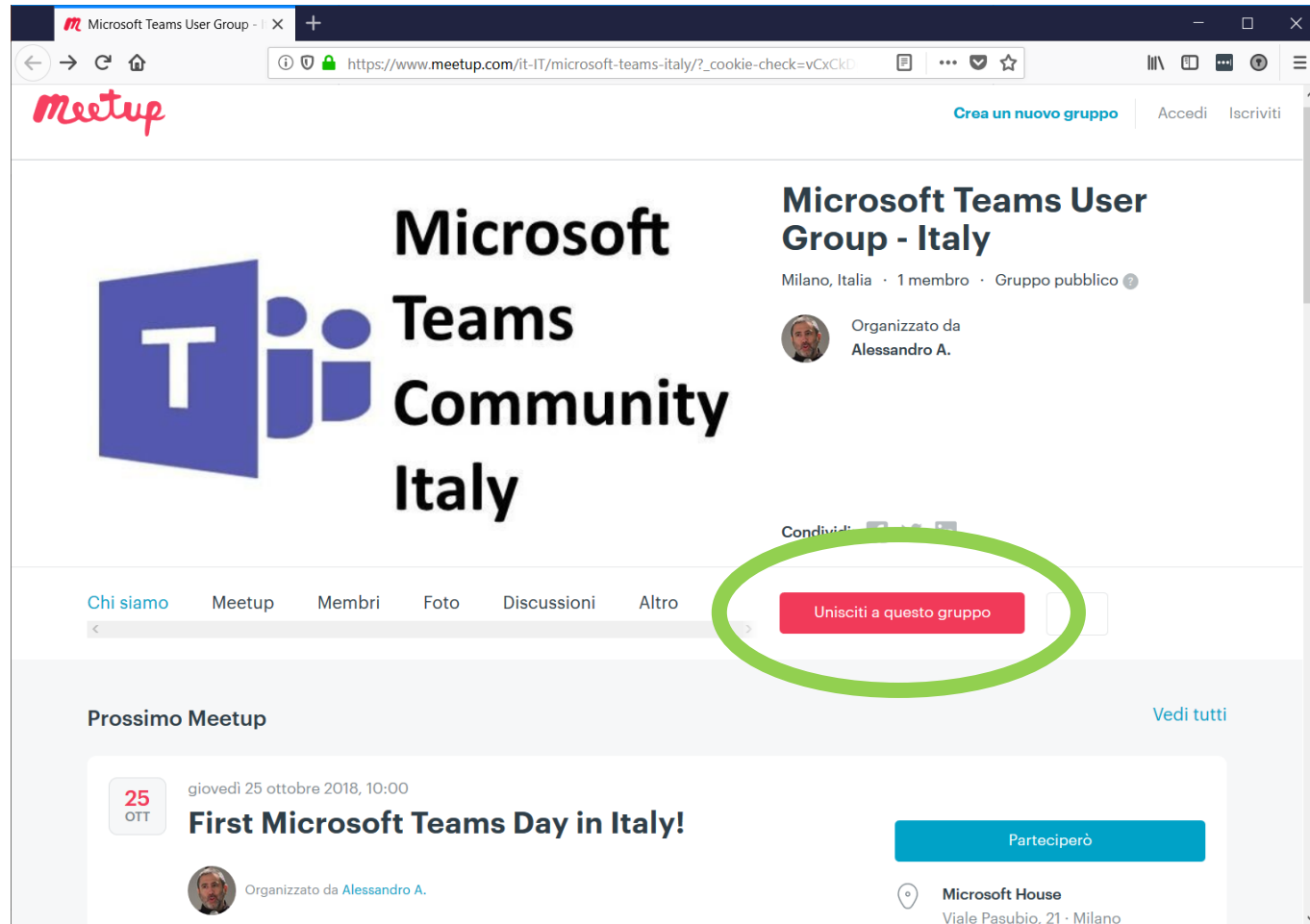 - technologies, strategy, digital transformation, advisory, ...

@AlexAppiani

https://it.linkedin.com/in/alexappiani/it

PULSAR IT
A DURANTE COMPANY

www.meetup.com/microsoft-teams-italy

- E' nato in occasione del primo **Microsoft Teams Day** in Italia

- **Iscrivetevi alla community** e contribuite con post, domande, discussioni!

- Contenuti ed eventi sono in arrivo...**stay tuned!**

Requirements

Microsoft Teams: a true Microsoft 365 tool

- Microsoft Teams is built on top of existing Microsoft 365 Technologies:
  - Office 365 Groups
  - Azure Active Directory
  - Exchange
  - OneDrive
  - SharePoint
    - Document Library, Pages, OneNote, …
  - Skype

Microsoft 365 and Office 365 licensing for Microsoft Teams

- Client Apps (online) are included in all subscriptions
- Compliance works based on underlying subscription features
- Teams license must be assigned to users as part of subscription plan (on by default with plan activation)

Small Business Plans	Enterprise Plans	Education Plans	Developer Plans
Microsoft 365 Business Basic	Office 365 Enterprise E1	Office 365 Education	Office 365 Developer
Microsoft 365 Business Standard	Office 365 Enterprise E3	Office 365 Education Plus	
Microsoft 365 for Business	Office 365 Enterprise E4 (retired)	Office 365 Education E3 (retired)	
	Office 365 Enterprise E5	Office 365 Education E5	
	Office 365 Enterprise F1		

Microsoft 365 and Office 365 licensing for Microsoft Teams
https://docs.microsoft.com/en-us/microsoftteams/office-365-licensing

- **Teams is an Office 365 Cloud-only** service (no on-prem version)
- Teams leverage Office 365 Groups, another Cloud-only feature
- Teams relies on **Online** version of
  - Azure AD (with modern authentication)
  - SharePoint
  - OneDrive
  - Skype
  - Exchange (On-Prem / Hybrid is supported with some limitations)
- Users must be enabled for all workload above to get full Teams features
- Users should be enabled for Office 365 Group creation (to create Teams)
- Azure Active Directory P1 highly recommended for Teams Governance (Policy)
  - It's now included in Microsoft 365 Business Premium
  - EMS E3 or Microsoft 365 E3

Exchange On-prem / Hybrid

- Full features enabled only with Exchange online
- Exchange on-premises supported in Hybrid Config and with Office 365 Groups integration (Exchange 2016/2019 - latest CU for Hybrid)

User's mailbox is hosted in:	eDiscovery	Legal Hold	Retention	Team and Channel mgmt	Create and view meetings	Modify user profile picture	Call History	Manage Contacts	Access Outlook contacts	Voicemail	Add and configure connectors	Add and configure tabs	Add and configure bots
Exchange Online	Yes [2]	Yes [2]	Yes	Yes	Yes	Yes[8]	Yes	Yes	Yes [7]	Yes	Yes	Yes	Yes
Exchange Online Dedicated vNext	Yes [2]	Yes [2]	Yes	Yes	Yes	Yes[8]	Yes	Yes	Yes [7]	Yes	Yes	Yes	Yes
Exchange Online Dedicated – Legacy (Sync to Azure AD required)	Yes [2]	Yes [2,3]	Yes [4]	Yes	No	No	Yes	Yes	No	Yes [5]	Yes [6]	Yes	Yes
Exchange On-premises (Sync to Azure AD & OAuth config required)	Yes [2]	Yes [2,3]	Yes [4]	Yes	Yes (Exchange 2016 CU3+)	Yes[8] (Exchange 2016 CU3+)	Yes	Yes	No	Yes [5]	Yes [6]	Yes	Yes

https://docs.microsoft.com/en-us/microsoftteams/exchange-teams-interact

Office 365 & Teams Network guidelines

- Collaboration & Communications in the Modern Workplace
- Teams is Cloud-born
  - Leverage Microsoft new Azure-based Skype Communications Platform
- Teams is Cloud-only ☺
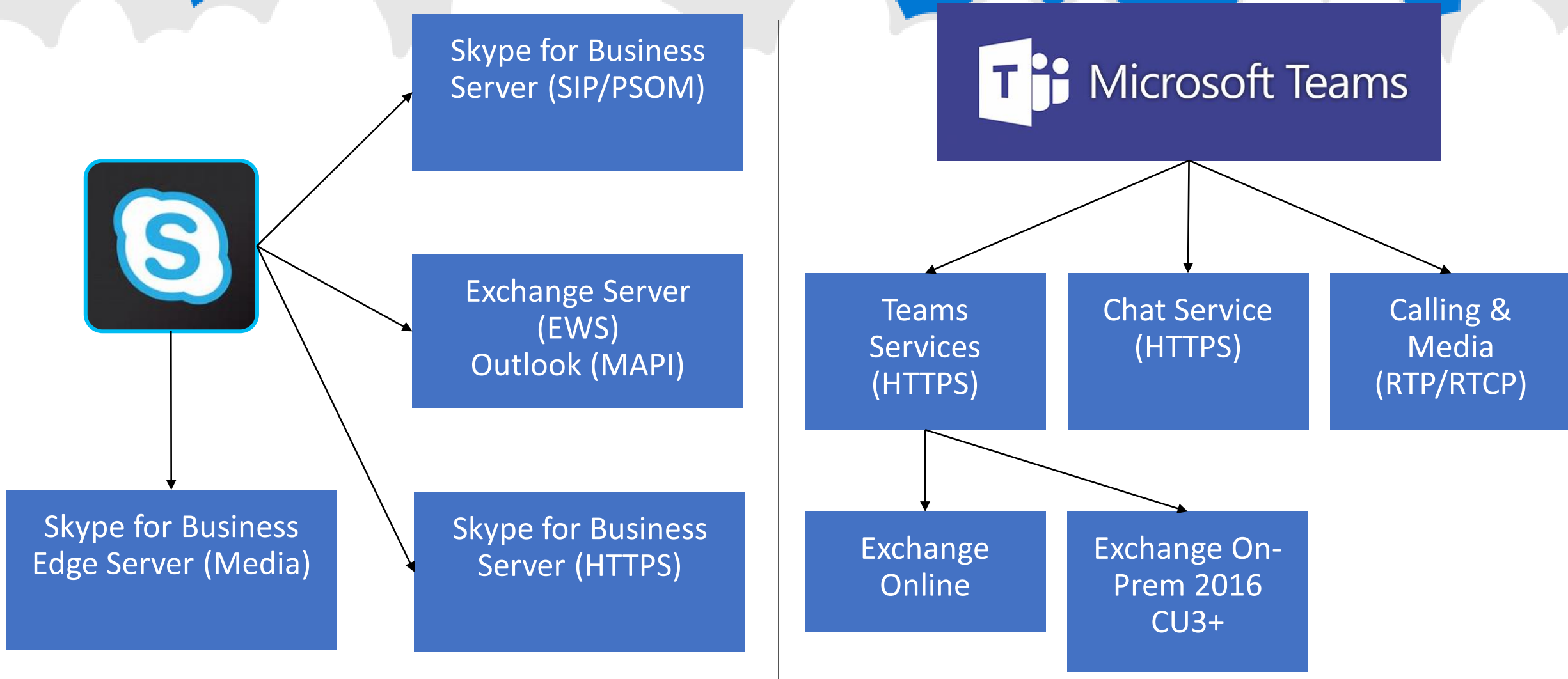 - We have to plan and deploy accordingly

- Audio / Video Communication is online only
  - Skype for Business on-premises not used and not required
- Teams & Skype for Business loosely coupled
  - "Federated" integration
  - Presence is independent (integration / unification interop)
  - P2P interop from-to Teams users and Skype for Business Users
- Teams and Skype Consumer interop just released (P2P)

- Built for enterprise-grade voice, video, and meetings

- More efficient bandwidth consumption

- Robust telemetry

- Maintenance and upgrades with minimal disruption

- Higher reliability & media quality

- Better browser experience (WebRTC)

Connectivity in Skype for Business vs. Teams

Skype for Business Server (SIP/PSOM)

Exchange Server
(EWS)
Outlook (MAPI)

Skype for Business
Edge Server (Media)

Skype for Business
Server (HTTPS)

Microsoft Teams

Teams
Services
(HTTPS)

Chat Service
(HTTPS)

Calling &
Media
(RTP/RTCP)

Exchange
Online

Exchange On-
Prem 2016
CU3+

DEMO

- SfB connections
- Teams in browser

Network+Security design & planning: why?

- Great performance drives user adoption

- Better to prevent then cure

- It's easy and you will reap the rewards in the future

- Just because it works, doesn't mean it works right

- New world requires new approach!
  - good planning and deployment are Best Practice in the cloud too ☺

"if you use the principles of yesterday to protect the services of today, your network is likely to deliver degraded connectivity to users"
Tony Redmond - Network Principles for Office 365 Connectivity
https://www.petri.com/network-principles-office-365-connectivity

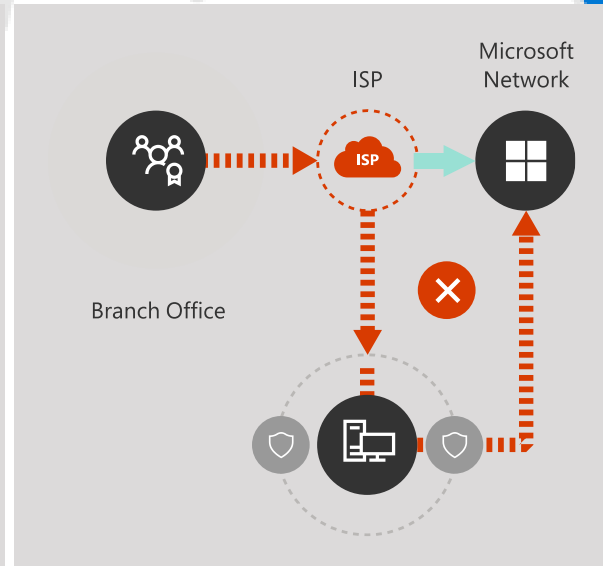# Office 365 connectivity principles

aka.ms/o365ip
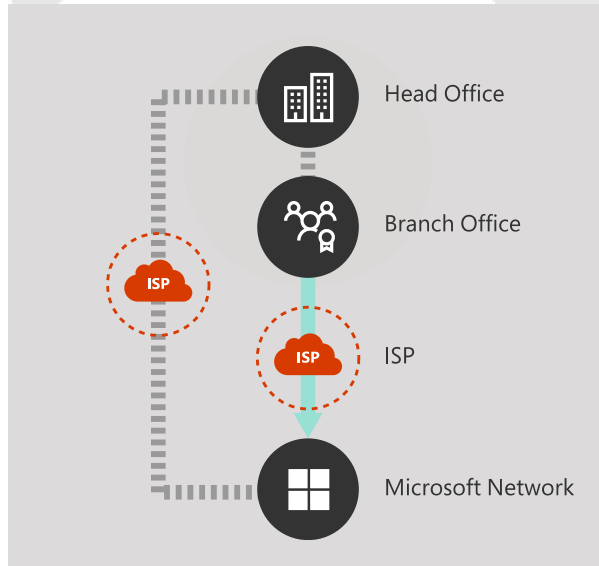
Differentiate traffic

Identify and differentiate Office 365 traffic using Microsoft published endpoints data
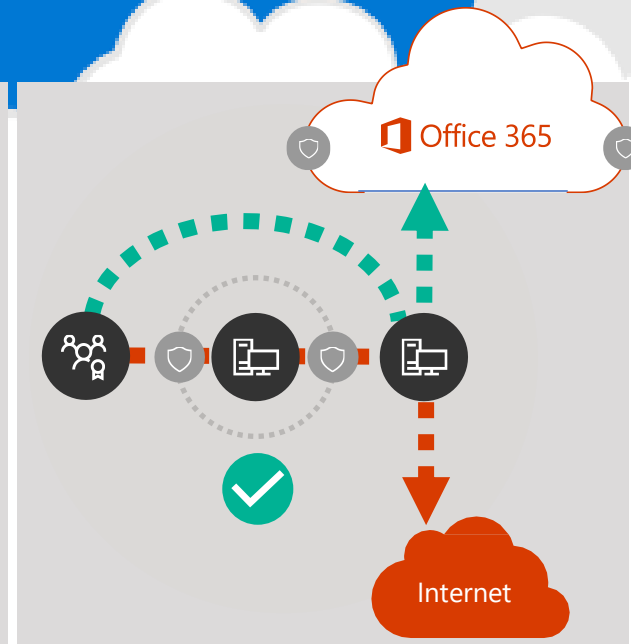
Egress connections

Egress Office 365 data connections as close to the user as practical with matching DNS resolution

Optimize route length

Avoid network hairpins and optimize connectivity directly into the nearest entry point into Microsoft's network
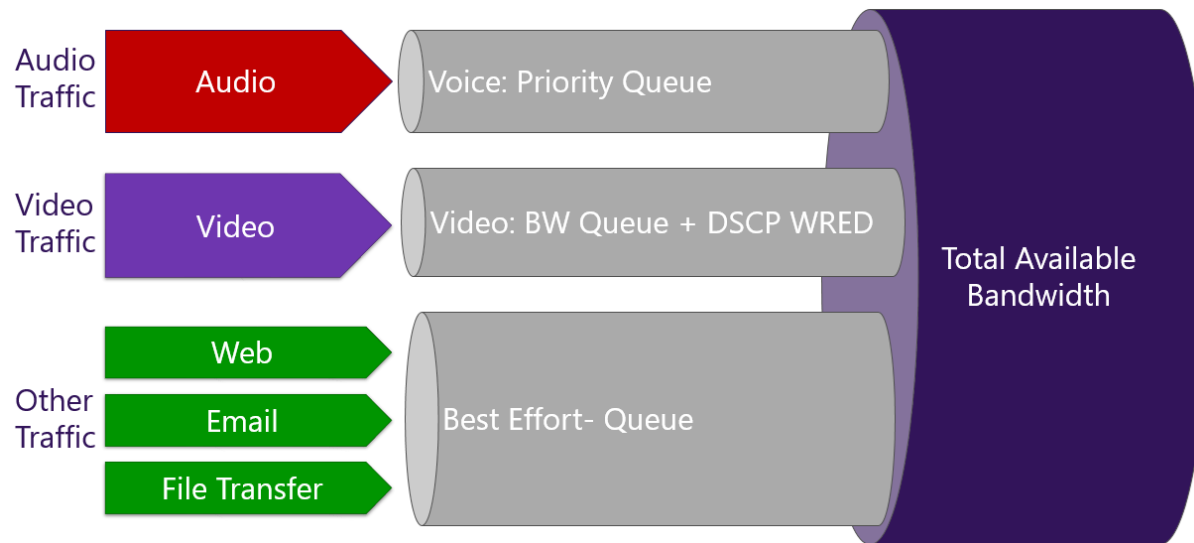
Assess network security

Assess bypassing proxies, traffic inspection devices and duplicate security which is available in Office 365

- Teams consumes bandwidth
- Essential for QoS implementation
- Considered a starting point for your deployment
- <u>Lack of bandwidth will lead to user experience degradation</u>

- While the adoption and usage grows use reporting to adjust and pivot

- Small <250 seats won't deploy QoS
- Larger will deploy QoS and planning is essential

Audio Traffic	Audio	Voice: Priority Queue	
Video Traffic	Video	Video: BW Queue + DSCP WRED	Total Available Bandwidth
Other Traffic	Web		
	Email	Best Effort- Queue	
	File Transfer		

Oversubscription = dropped packages or next queue

- Skype for Business online port ranges
    - Signaling: 443 TCP
    - Media: UDP 3478; 50,000-59,999 (preferred) or TCP 443; 50,000-59,999 (fall back)
- Teams Reduced Port Ranges
    - Signaling: 443 TCP
    - Media: UDP 3478-3481 (preferred) or TCP 443 (fall back)
- For media traffic the client attempts multiple connection methods simultaneously when starting media
    - Best method that gets a response is used

Office 365 URL's and IP ranges
https://docs.microsoft.com/en-us/microsoftteams/office-365-urls-ip-address-ranges
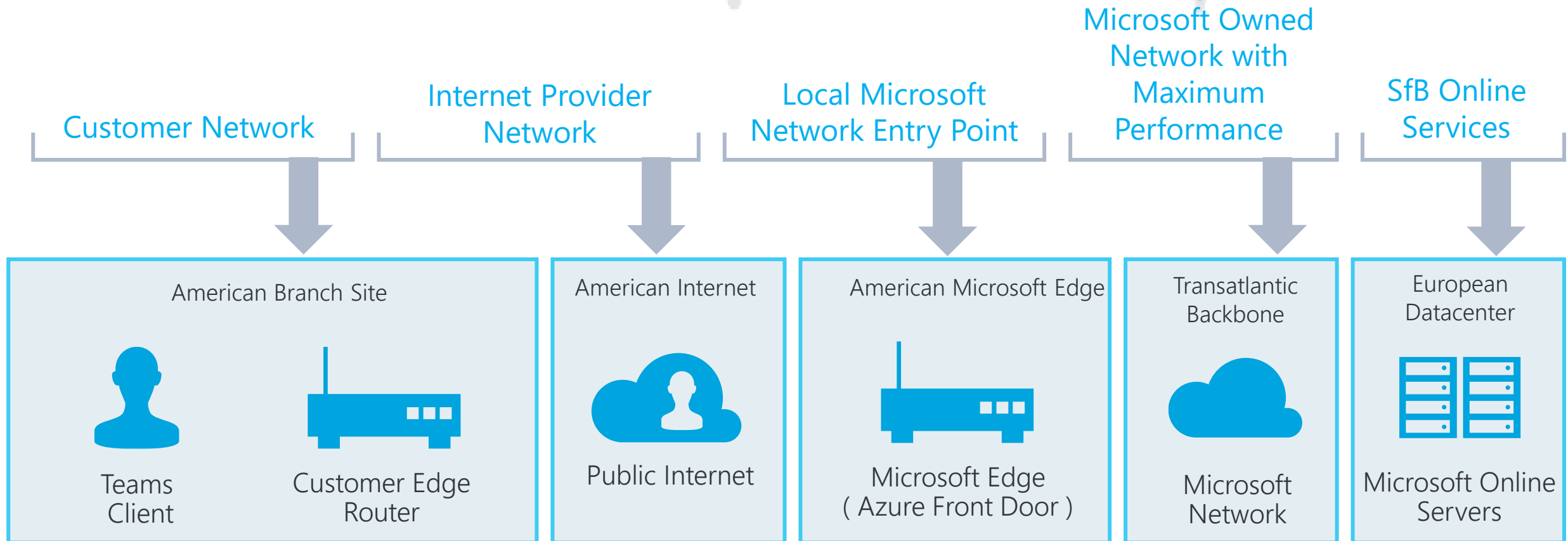
- Rules of thumb
  - Shortest path to Office 365 is best
  - Closing ports will only lead to quality degradation
  - Any obstacles in between such as proxies are not recommended*
- General flow & hops
  - Client to Network Edge, 3 to 5 hops
  - ISP to Microsoft Network, 3 hops
  - Microsoft Network Edge to final destination, irrelevant

→ *Get Office 365 traffic to Office 365 ASAP* ←

*Not using a proxy server is recommended
https://docs.microsoft.com/en-us/SkypeForBusiness/optimizing-your-network/proxy-servers-for-skype-for-business-online

From Teams to Microsoft Online Services

Customer Network

Internet Provider Network

Local Microsoft Network Entry Point

Microsoft Owned Network with Maximum Performance

SfB Online Services

American Branch Site

Teams Client

Customer Edge Router

American Internet

Public Internet

American Microsoft Edge

Microsoft Edge (Azure Front Door)

Transatlantic Backbone

Microsoft Network

European Datacenter

Microsoft Online Servers

Prepare your organization's network for Microsoft Teams
https://docs.microsoft.com/en-us/microsoftteams/prepare-network

Microsoft Global Network

✓ Fast, globally available network

✓ 100K miles of fiber in 130+ locations

✓ 130+ global edge nodes reaching 63% of the Global GDP within 25ms

✓ Peering relationships with 2700+ ISPs in 190+ locations

✓ Connects 35+ Office 365 Datacenter locations

✓ Fully software defined and managed by Microsoft
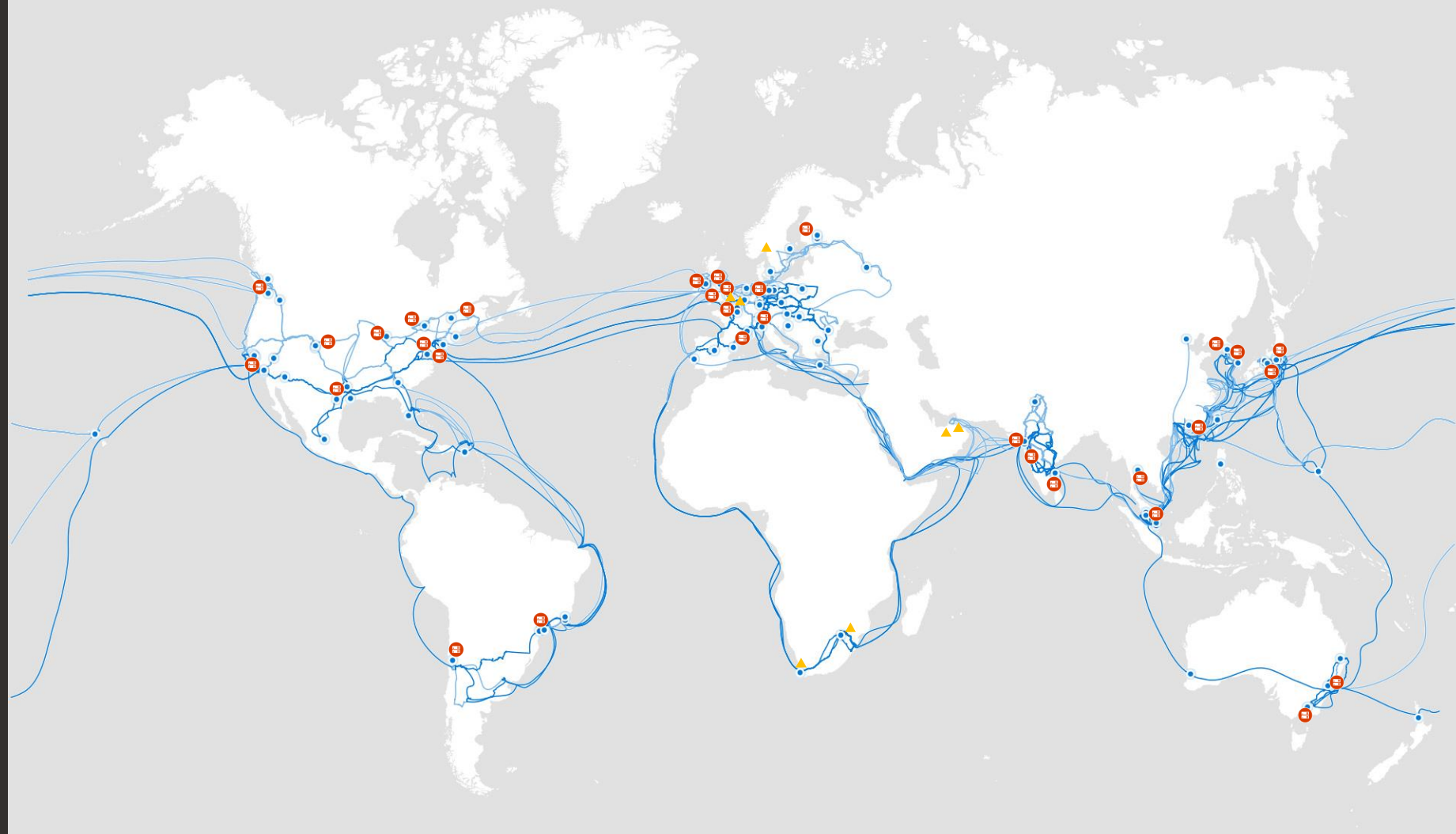
● Peering & Service front door location

▣ Office 365 Datacenter location

▲ Announced new Office 365 location

Network sites not exhaustive

Microsoft

Microsoft Global Network

Global foot print

- Microsoft's global network is one of the **top two networks in the world**

- **Tens of thousands of route miles** of privately-owned dark fiber

- Peered with over **2700 ISPs globally in 190 locations and 38 countries**

- Available for 90+% of the internet connected population with **metrics comparable to the Tier 1 ISPs/Telcos**

- Media processors & relays **deployed to 50+ Microsoft data centers and edge sites** with more being deployed

Optimized for media

- Fiber connections designed to **reduce latency between regions**

- Edge sites placed close to the users to **reduce number of hops and latency**

- Keep **improving ISP peering performance** based on Skype call quality telemetry

- **Audio traffic prioritized** throughout the Microsoft Global Network

- Meetings hosted **close to the participants**

- **Single consolidated IP range** for calling and media

Microsoft's fiber optic network could stretch to the moon and back, three times over!
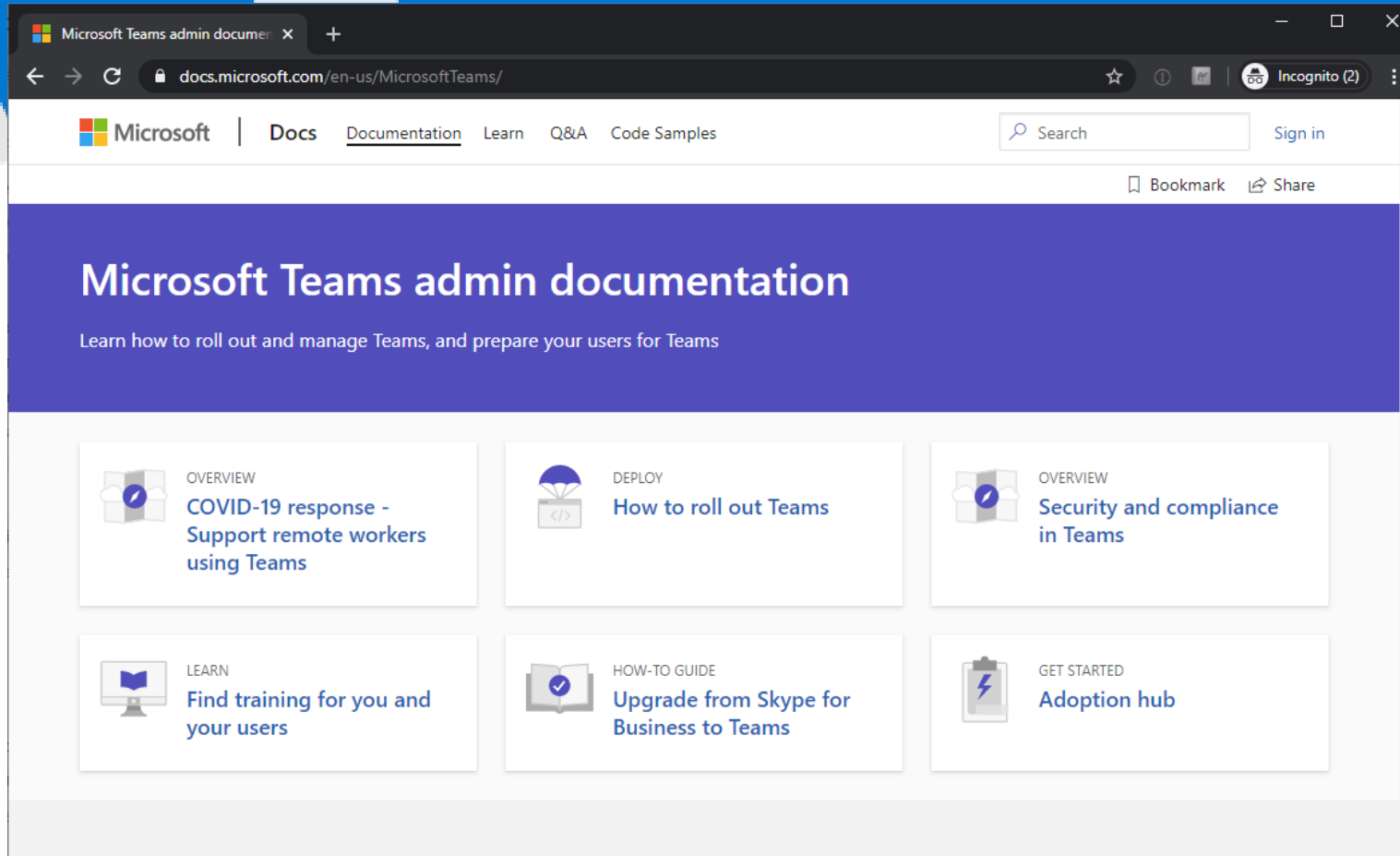
Performance Requirements

For optimal Teams media quality, the following network performance metrics must be met

Metric	Client to Microsoft edge	Customer edge to Microsoft edge
Latency (one way)	<50ms	<30ms
Latency (RTT or Round-trip Time)	<100ms	<60ms
Burst packet loss	<10% during any 200ms interval	<1% during any 200ms interval
Packet loss	<1% during any 15s interval	<0.1% during any 15s interval
Packet inter-arrival jitter	<30ms during any 15s interval	<15ms during any 15s interval
Packet reorder	<0.05% out-of-order packets	<0.01% out-of-order packets

https://support.office.com/en-us/article/Media-Quality-and-Network-Connectivity-Performance-in-Skype-for-Business-Online-5fe3e01b-34cf-44e0-b897-b0b2a83f0917

Teamwork Deployment and Adoption

Practical Guidance: SuccessWithTeams.com

Planning Deployment Adoption Best Practices Industry Specific

Available in 18 languages

Get started

Chat, teams, channels, & apps

Meetings & conferencing

Voice

ADOPTION

- Extra planning needed if starting from Skype for Business, on-premises, or hybrid deployments
- Enterprise Voice need extra-effort too

How to roll out Microsoft Teams
https://docs.microsoft.com/en-us/microsoftteams/how-to-roll-out-teams

Example Teams & Channels

Cross organization & function teams are the best practice

Alpine Product Launch ...

- General
- Design
- Documentation
- Engineering
- Go to Market
- Production
- Research
- Strategy and Timeline
- Support and Feedback

Contoso HR ...

- General
- Events
- Recruitment
- Reviews
- Training

MD Marketing at DTX ...

- General
- Alpine Go to Market Campaign
- Communications Planning
- Market Research
- Release Tools
- Social Engagement
- Strategy and Planning

Modern Project Management ...

- General
- Build Out
- Design Reviews
- Move Logistics
- Plans and Reports
- Research and Reference
- Vendor Selection

IT Collaboration Services ...

- General
- Adoption and Communications
- Feedback
- Problem Incident and Change
- Reporting
- Security and Compliance
- Strategy and Planning

IT Service Incidents ...

- General
- Communications - Email
- Communications - Voice
- Desktop and Hardware
- Finance Systems
- Identity
- Major Incident Management

Organizational vs Project approach
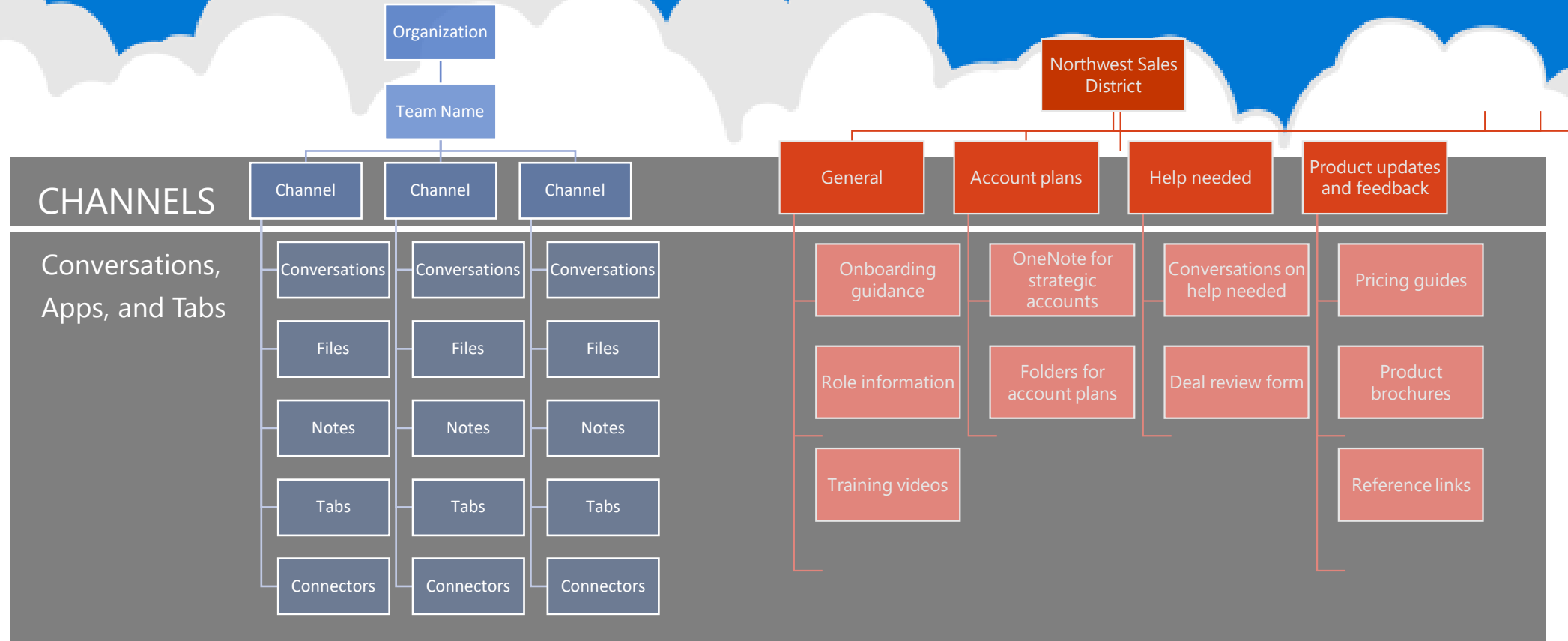
- Teams is great for breaking down organizational silos and promoting cross-functional teams
  - → encourage users to think about **functional teams** rather than organizational boundaries

Overview of teams and channels in Microsoft Teams
https://docs.microsoft.com/en-us/microsoftteams/teams-channels-overview#example-teams

Create   Join   Manage

Team Templates

IT Admins can configure a template file and programmatically apply via Graph API it to create new teams:

- Specify channels
- Pinning
- Settings
- Permissions

Dynamic Team Membership

Create a team based on an AAD Dynamic Group. Employee access to a team is determined by their AAD properties.

- City
- Country
- Department
- Job Title

- Postal Codes
- State
- Usage Location
- Etc.

Azure AD Premium P1 licenses Required
→ included in Microsoft 356 Business Premium!

Plan for lifecycle management in Teams
https://docs.microsoft.com/en-us/microsoftteams/plan-teams-lifecycle

Create   **Join**   **Manage**

Join by Code

Enables an Team owner to generate a unique code that can be sent around or distributed to people who need to join a team.

- Generate a code in Team Settings
- Send code to users
- Users enter code to join team
- Code can be cancelled / changed

Join by Link

Sends automatic requests to join a team when the user clicks on a link for a message in another team.

- Copy a link to a message in a channel
- Paste it into another team
- Users without permissions who click on it will get an option to join the team.

Create   Join   **Manage**

Archive

When a project wraps up you can archive a team to preserve the content. This lets you reactivate it in the future if need be.

- Archive a team
- Marked Read–Only
- Removed from Teams and Channel list
- Can be restored if needed

Expiry

IT policy to set expiration dates on teams. Owners are notified when a team is close to expiration and can renew.

- Set expiration date
- Owners Notified when date approaches
- Owners can renew in Team settings
- "Soft deleted" for 30 days after date
- "Hard deleted" after 30 days

DEMO

- Manage Teams (by Owners)
- Archive

Upgrading from Skype for Business to Teams

Alessandro Appiani

Advanced features, modern experiences

- Teams combines chat, video, calling, collaboration, and app integration into a single, integrated hub

- State-of-the-art cross-platform and mobile experiences

Performance by design

- Reimagined client built on cloud infrastructure

- Teams provides improvements in call and meeting quality, and other operational metrics

Bottom-line benefits

- In a recent study, organizations that moved to Teams saw cost reductions from consolidating solutions to one platform, had 14.6% less downtime due to online availability of resources, and projected a three-year net present value per user of $5,416*

*The Forrester Study: The Total Economic Impact™ Of Microsoft Teams outlines cost savings and other financial benefits organizations can realize by adopting Teams
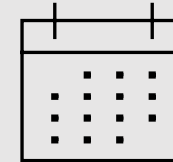
July 31, 2021

Skype for Business Online retirement

- Skype for Business Online will be retired July 31, 2021

- Skype for Business Server is not affected, but customers with hybrid configurations will need to move Skype for Business Online users to Teams by the retirement date

Skype to Teams Roadmap

- 2018 October - Only Teams enabled in new Online Tenant with <= 500 users (ie: not EA Tenant ☺)*
- 2018 October - Existing Cloud-only Tenants (no DirSync in place), without use of SfB, automatically migrated to Teams
- 2018 October - Existing Cloud-only Tenants with SfB Users "invited" to Teams (automatically migrated if Customer doesn't ask to remain on SfB)
- 2019 July - Microsoft announced SfB Online retirement**
  - Skype for Business Online will be retired on July 31, 2021
  - Starting September 1, 2019, all new Office 365 customers will be onboarded to Teams and will not have access to Skype for Business Online

*Starting October 1, 2018, Skype for Business Online is no longer included in Office 365 for new customers with fewer than 500 seats
https://support.microsoft.com/en-us/help/4465277/microsoft-teams-now-the-primary-client-for-meetings-and-calling
**Skype for Business Online will be retired on July 31, 2021
https://techcommunity.microsoft.com/t5/Microsoft-Teams-Blog/Skype-for-Business-Online-to-Be-Retired-in-2021/ba-p/777833

- Teams give new collaboration features
- Teams leverage an excellent new communications infrastructure
  - definitely better than SfB
  - great benefit from cloud world-wide networking (Microsoft Azure Network and DataCenters)
  - audio/video and meeting are top quality
- Goal is to give new features minimizing problems on user-side
  - not really easy today for SfB On-prem organization
- Full switch to Teams is the target
  - Teams mixed with SfB is not a good option to stay (see Coexistence in next slides)

Upgrade path to Teams

and SfB Coexistence

- Starting point in all cases includes Skype for Business

- End point is all users using Teams Only

- Driving adoption in your key scenarios in Teams is critical success factor

- Key considerations when deciding your path:
  - ✓ Feature requirements & overlap between SFB and Teams
  - ✓ Moving users all at once or in cohorts
  - ✓ Velocity to move users to Teams Only

Cohort 1   Cohort 2   Cohort 3…   All users

Which coexistence path should customers take?

Microsoft offers flexibility for customers to choose their upgrade path on the road to Teams Only

Teams side-by-side to SFB with Chat, Meetings & Calling

Considerations:
- Skype for Business Online and most on-premises **(recommended/ default path)**
- Capabilities available in both SFB and Teams
- Enables quick velocity move to Teams

Teams side-by-side to SFB with selected features (Collab, Meetings)

Considerations:
- More complex environment with on premises **enterprise voice**
- No overlapping capabilities between SFB and Teams
- Designed with longer co-existence period in mind

Co-existence modes*

https://aka.ms/modes

Mode	Calls and Chats	Meeting Scheduling	Teams Channels available?	Recommended Use Case
Islands	Either	Either	Yes	Default starting point. Side-by-Side with overlapping capabilities
Skype for Business With Teams Collab	Skype for Business	Skype for Business	Yes	Side-by-Side with selected capabilities
Skype for Business With Teams Collab And Meetings	Skype for Business	Teams	Yes	Side-by-Side with selected capabilities
Skype for Business Only	Skype for Business	Skype for Business	No	Side-by-Side with selected capabilities
Teams Only (Requires homed in Skype for Business Online)	Teams	Teams	Yes	**The final state of being upgraded for either paths** This is the default state for all *new* tenants as of September, 1st 2019

Skype for Business Modes

*Defined by **UpgradePolicy** (Tenant, User)

Summary of upgrade methods*

Overlapping capabilities (using Islands mode)	Selected capabilities (using Skype for Business modes)
Prior to being upgraded to TeamsOnly, users must run both clients simultaneously since incoming chats and calls may land in either client.	Chats and calls only land in one client, based on the recipient's mode. Non-upgraded users may run both clients, but there is no functional overlap (calling and chat are not available in Teams).
Allows administrators to introduce overlapping functionality (chat, meetings, VOIP calling) in both Skype for Business and Teams to end users as well as new capabilities (Teams and Channels) in Teams.	Allows administrators to introduce select functionality of Teams to end users (Teams and Channels), without providing same functionality that also exists in Skype for Business.
Interop between Skype for Business and Teams does not exist while both users are in Islands mode.	Interop is required for communication between Skype for Business and Teams users.

* https://docs.microsoft.com/en-us/microsoftteams/upgrade-and-coexistence-of-skypeforbusiness-and-teams#summary-of-upgrade-methods

Overlapping Capabilities - Considerations & impact

Feature requirements & overlap

- ❑ Chat and calling will be available in both SFB and Teams
- ❑ Meeting scheduling and joining is available in both products

Moving users all at once or in cohorts

- ❑ All at once: Ideal option for best user experience
  Quick velocity: All users have the same capability and experience at once which simplifies adoption

- ❑ Cohorts: Increased success when users adopted all the key scenarios in Teams
  Slower velocity: Large organizations may move slower, however when Teams deployed to all users there will not be interop experiences

Additional considerations

- ❑ **Chat messages and calls from federated customers will be received in Skype for Business until you move to Teams Only**
- ❑ Phone System capabilities will only be available when users in Teams Only
- ❑ HID and meeting room devices

Teams client experience & coexistence modes

- Teams functionality
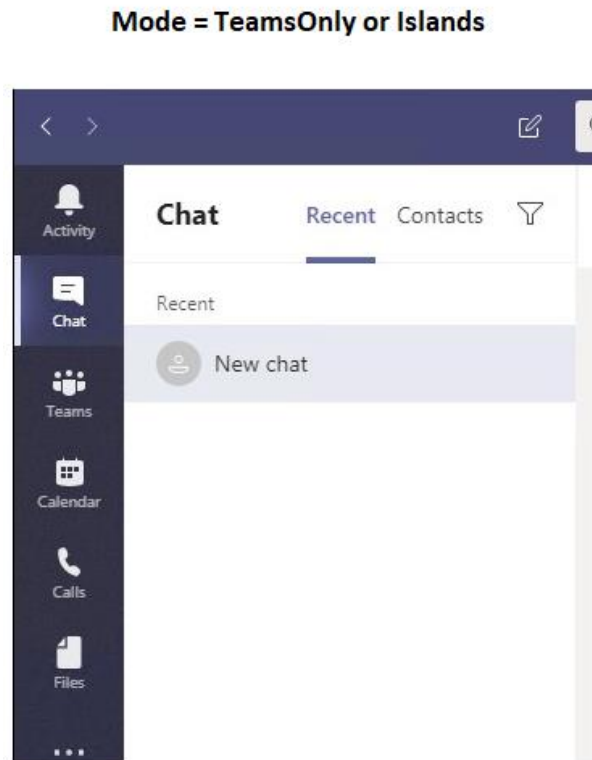
- Teams Self-Presence
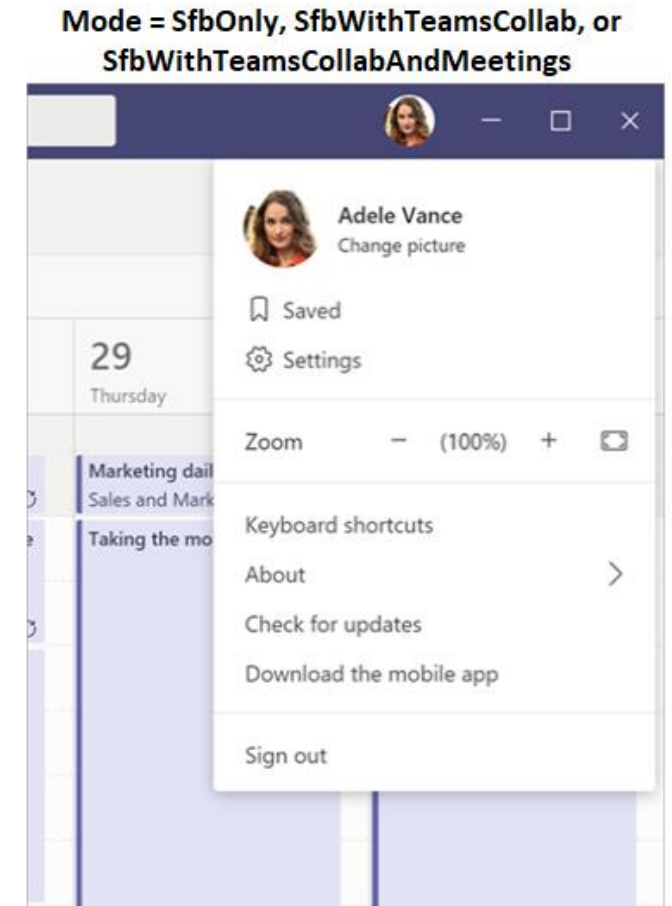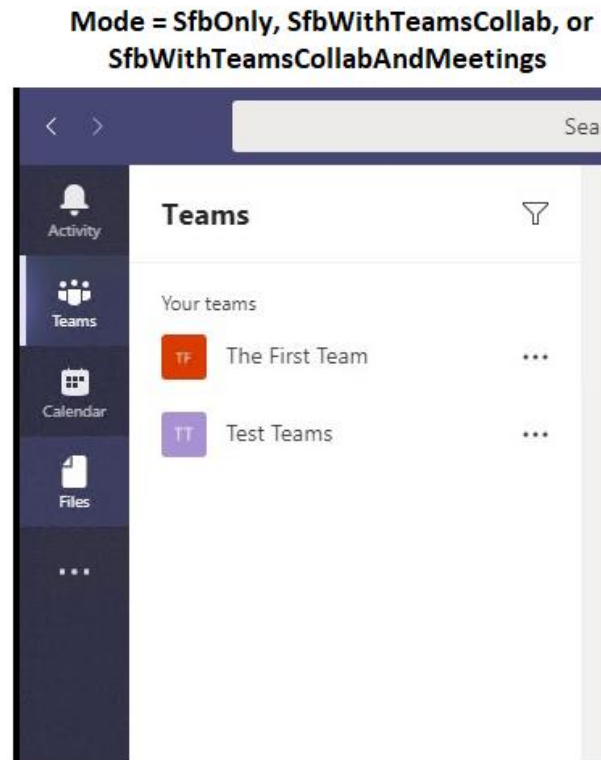
DEMO

- Teams Admin Center
  - Org wide
  - Users
- Coexistence scenario
- Features & Issues

Microsoft Surface for Business

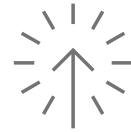Loved by employees, built by Microsoft

The modern workplace is changing

This is the world that Surface was built for

More data and information to drive innovation and decision-making
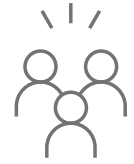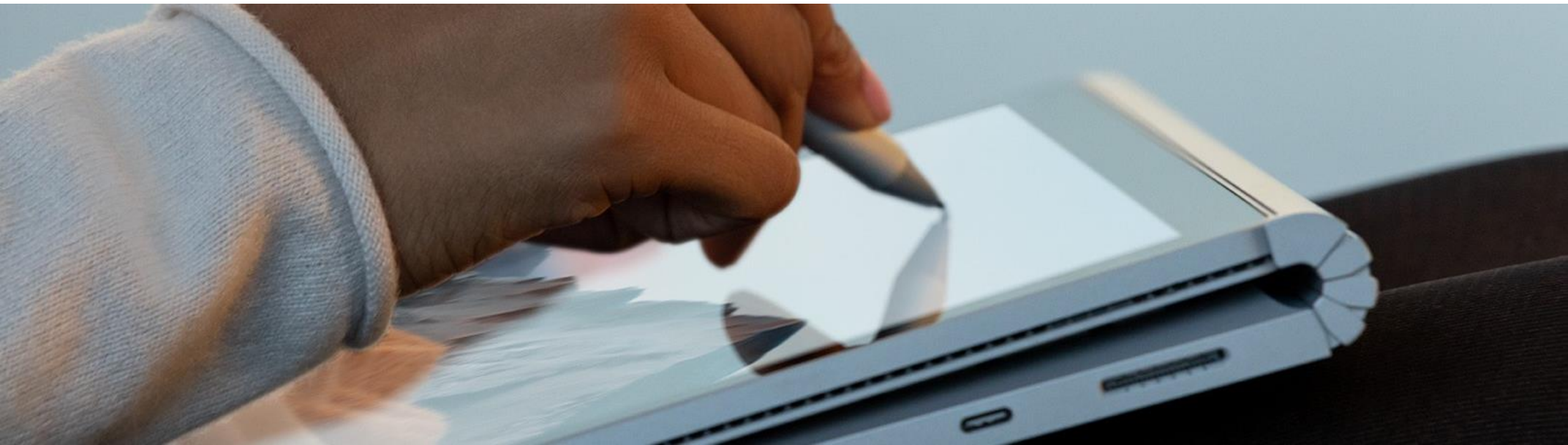
Fewer cubicles and silos, more collaborative workspaces

Higher expectations to be more creative and get more done with less

More pressure to deliver results faster

A focus on shared success over individual achievement

Microsoft Surface

Microsoft Surface for Business

Loved by employees, built by Microsoft

Innovation & craftsmanship

Designed for the ways you work

Modern security & manageability from Microsoft

The tools you care about, built into Surface for Business

Surface for Business customers save time and money with streamlined deployment, modern device management, and built-in, cloud-powered security.

Leading modern management

Easy to deploy and manage. With a custom Unified Extensible Firmware Interface (UEFI)** paired with Windows Autopilot, Surface Enterprise Management Mode (SEMM), and Microsoft Intune,[7] Surface allows IT administrators to remotely control firmware-level functionality.

Enterprise-grade modern security

Protect data and allow IT to control user access with BitLocker, discrete and firmware TPM chips, and cloud-powered intelligent security with Microsoft Defender Advanced Threat Protection (ATP).

Windows 10 Pro

Comes standard on Surface for Business devices, offering advanced security protections, enterprise manageability, and enhanced productivity tools.

Support and warranty

In addition to the standard hardware warranty, commercial customers get Advanced Exchange[8]—a service offering with expedited device replacement, at no additional cost.

Optimal devices for Office 365 experiences

Business customers can choose to pair Surface with Microsoft 365 commercial offerings, empowering everyone to be creative and work together, securely.

Meet our new additions

Surface Go 2

Connect in the office, from the field, or on the go. Our compact, lightweight 2-in-1 empowers employees to get the job done with the full power of Windows 10.

Surface Book 3

Our most powerful Surface laptop yet is faster than ever, pairing speed and graphics with the versatility of a high-performance laptop, processor-powered tablet, and portable studio.

Surface Dock 2

Transform your Surface device into a desktop PC or workstation, with more ports and Fast Charging on enabled devices.

Microsoft Surface for Business

A device for every kind of work

Surface Go 2

The lightest, most compact 2-in-1 now has a bigger, 10.5" touchscreen.

Available with LTE Advanced.

Perfect for portable power in the office, in the classroom, or out in the field.

Surface Pro 7

The iconic Surface 2-in-1, now even faster and more versatile with USB-A & USB-C®.

Perfect for ultra-light performance and the versatility you love, to keep you productive on the go.

Surface Pro X

The thinnest, lightest, most mobile Surface Pro with 13" touchscreen and LTE.

Perfect for the innovator who wants to stay connected and get work done anywhere.

Surface Laptop 3

The most popular, slim, and stylish Surface laptop in a range of colors and materials, now with 13.5" and 15" touchscreens.

Perfect for people who want to get it all done in a thin, light, and elegant design.

Surface Book 3

Our most powerful Surface laptop is faster than ever, now with 13.5" and 15" touchscreens.

Perfect for ultimate power and blazing-fast graphics on the go.

Surface Studio 2

The most immersive and powerful Surface desktop with a 28" fully adjustable touchscreen.

Perfect to unleash your creativity in new ways: Studio 2 supports Surface Pen* with tilt activation, Surface Dial* on-screen interaction, and Zero Gravity Hinge.

Microsoft Surface for Business

Complete the experience

Surface Mice

Choose from a variety of mice to suit your needs. Ultra-portable for exceptional accuracy, work the way that's best for you.

Surface Type Covers

Transform surface devices from tablets to laptops. Enjoy a full mechanical keyset, fast and fluid typing, and a large glass trackpad for precise navigation.

Surface Dial

Get inspired and uncover the common thread that connects Surface Dial to art, design, music, and movement. See how Surface Dial can add real-time fluidity to your process and help set your ideas free—from concept to creation.

Surface Headphones

The smarter way to listen. Music and calls sound spectacular with rich audio, active noise cancellation and on-ear touch controls.

Surface Pen

Surface Pen is better and faster than ever, with precision ink on one end and a rubber eraser on the other—plus tilt for shading,[10] greater sensitivity, and virtually no lag.

Surface Dock 2

Transform your Surface device into a desktop PC, with all the next-gen ports you need.
Featuring two video-capable USB-C® ports, and Fast Charging for accessories and phones that require no more than 15W of power.

Surface Adapters

Surface has a number of adapters to keep you connected, wirelessly project, or stay compatible with existing peripherals.

Surface USB-C® Travel Hub

Turn your laptop into an on-the-go productivity companion with this multi-port travel adapter. Designed for on-the-go professionals, it gives you five ways to stay productive anywhere.

Surface Go 2 for Business

Make the most of Microsoft 365* with new Surface Go 2, our lightest and most compact Surface yet.

Surface Go 2 is a faster companion to run the essential business apps you rely on every day, with 8th Gen Intel® Core™ m3 and Pentium® processors. Stay connected anywhere with optional LTE Advanced connectivity, and get the manageability and security features you trust with Windows 10 Pro.

FEATURES:

Compact and light, at 10.5" and just 1.2 pounds (not including Type Cover)

Sleek, modern design with tablet-to-laptop flexibility and built-in Kickstand

8th Gen Intel® Core™ m3 and Pentium® processors power full-feature desktop software

Optional LTE Advanced for on-the-go productivity

Natural typing and trackpad experience with Surface Go Type Cover*
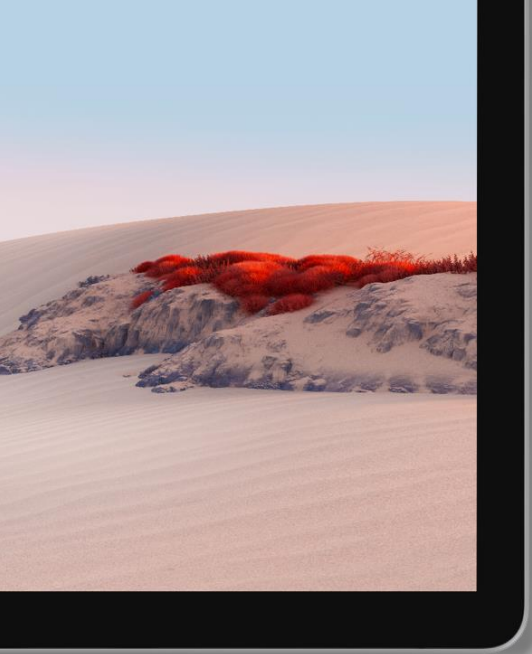
What's new in
Surface Go 2 for Business

A larger, brighter, and more brilliant touchscreen display in the same compact size, starting at just 1.2 lb.[11] and with improved 220 ppi resolution
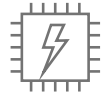
Faster options,[12] running the essential business apps you rely on every day with 8th Gen Intel® Core™ m3 and Pentium® processors

Improved all-day **battery life up to 10 hours**[13] and Fast Charging when connected to Surface Dock,* powering your battery up to 80% in just over an hour[14]

New choice of colors** to match your style with the **durable Surface Go Type Cover*** in Poppy Red and Ice Blue

Surface Book 3 for Business

Our most powerful Surface laptop yet is faster than ever, pairing speed and graphics with the versatility of a high-performance laptop, processor-powered tablet, and portable studio.

Surface Book 3 is a robust laptop that adapts to the ways you work, collaborate, and create.

A cutting-edge balance of performance, versatility, and mobility sets Surface Book 3 apart from the rest. Detach the screen and choose how you want to work, whether you need a processor-powered tablet or a graphics-intensive studio.

FEATURES:

Render video and motion graphics smoothly with the best graphics performance on any Surface laptop, powered by the latest NVIDIA® GeForce® or Quadro® GPUs and faster memory, with up to 2TB of lightning-fast, pro-level storage and 32GB RAM.[15]

Use **Surface Dial*** on screen for easy access to drawing tools, shortcuts, and controls.

Take notes, sketch ideas, and write naturally with **Surface Pen***.

Available in two sizes: 15" or 13.5" PixelSense™ Display

Four versatile modes of use: Laptop, Tablet, Studio, and View

All the connections needed for devices and accessories, including a USB-C® port

What's new in Surface Book 3

Designed for versatility, mobility, and high performance

Surface Book 3 13.5" is more than 50% faster than Surface Book 2 13.5"
Surface Book 3 15" is 30% faster than Surface Book 2 15"
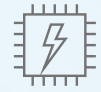
The most powerful Surface laptop yet. Surface Book 3 13.5" has 40% more graphics performance than Surface Book 2 13.5".

Surface Book 3 detaches up to 3x faster than Surface Book 2.

Instantly transforms into efficient desktop workstation with new Surface Dock 2*

Latest NVIDIA® Quadro® and GeForce® graphics, best of any Surface laptop

Immersive, spatial sound with Dolby Atmos®

Dual far-field Studio Mics for great calls and dictation

Surface Book 3 15"

Surface Book 3 13.5"

Surface Dock 2

Turn your Surface into a desktop

Pitch
Streamline the way you work and connect. New Surface Dock 2 instantly transforms your Surface into a desktop PC with all the next-gen ports you need, including USB-C®. Simply plug in the Surface Connect cable to charge your device and access external monitors, a keyboard, mouse, and more. Surface Dock 2 was built to maximize efficiency at the office, in a flexible workspace, or at home.

Top Reasons to Buy
- Transform your Surface into a desktop PC
- Connect two 4K monitors* while keeping your desk clutter free
- Access an external keyboard, mouse, and other USB peripherals*

Primary Device Attach
Surface Pro
Surface Pro X
Surface Book

Accessory Bundles
Surface Keyboard
Surface Mouse
Surface Precision Mouse

Surface USB-C® Travel Hub

All the connections, wherever you are

Pitch
Turn your laptop into an on-the-go productivity companion with this elegant, multi-port travel adapter. Designed for on-the-go professionals, it gives you five ways to stay productive anywhere. Connect to the internet, project content onto a big screen, charge accessories, and more. Compatible with modern PCs and all Surface laptops with a USB-C® port. Supports compatible accessory charging. Does not support laptop charging.

Top Reasons to Buy
- Stay productive on the go with this multi-port adapter
- Includes USB-C®, USB-A, VGA, gigabit Ethernet, and HDMI 2.0 with 4K video out

Primary Device Attach
Surface Pro
Surface Pro X
Surface Laptop

Accessory Bundles
Surface Keyboard
Surface Mouse
Surface Precision Mouse

Surface Headphones 2

The smarter way to listen

Pitch

Surround yourself with spectacular Omnisonic sound for music, shows, and calls. Stay focused with adjustable noise cancellation. And, listen in comfort all day long.

Immerse yourself in blissful silence with 13 levels of adjustable Active Noise Cancellation. Dial up the silence or dial it down when you want to be more aware of what's going on around you.

Effortlessly rotate the on-ear dials to adjust the volume or level of noise cancellation. Touch or tap the on-ear sensors to skip a song, pause your music, answer a call, or get assistance.

Top Reasons to Buy

- 13 levels of adjustable Active Noise Cancellation mean you choose how much you tune out.
- Be heard loud and clear with 4 microphones per ear cup for exceptional voice clarity and noise cancellation
- Soft, over-ear pads are breathable, lightweight, and comfortable

Primary Device Attach

Surface Pro
Surface Pro X
Surface Laptop
Surface Book
Surface Studio

Accessory Bundles

Surface Pen

Surface Earbuds

Never miss a beat
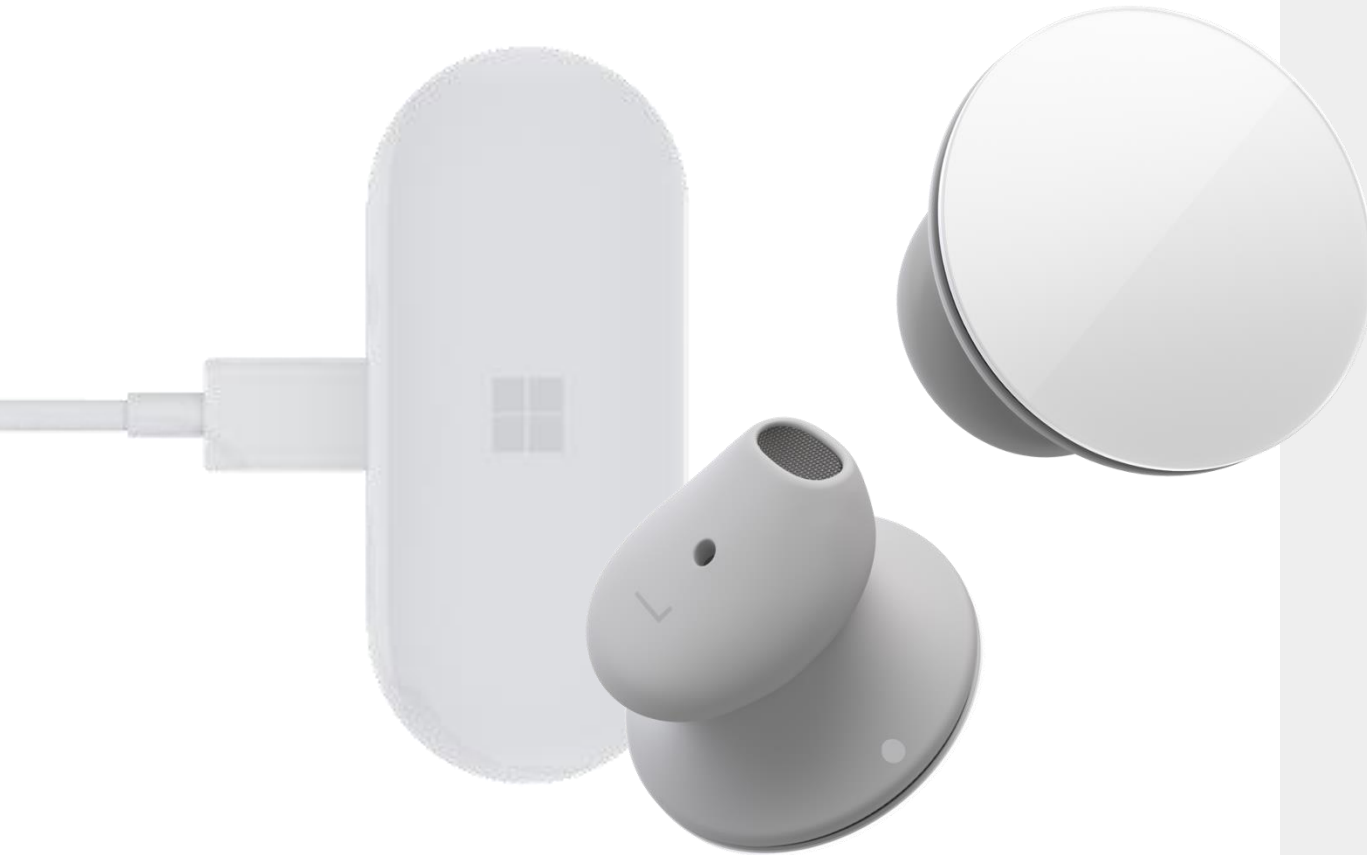
Pitch
Stay on top of your day with Surface Earbuds.

Featuring an ultra-comfortable design, intuitive touch, and voice controls, immersive sound, and all-day battery,[1] so you'll never miss a beat.

Innovative design with four anchor points so each earbud sits securely in your ear. Find your perfect size with three sets of interchangeable silicone ear tips.

Responsive touch surface enables intuitive gestures like tap, touch, and swipe. Skip a music track, adjust the volume, make a call, or get assistance.

Top Reasons to Buy
- Premium sound for music, calls, and shows. Custom designed drivers that are precisely tuned to deliver an exceptional acoustic experience.
- Touch and voice controls let you stay productive without having to look at your phone.
- All day battery[1] that keeps up with you. Get up to 24 hours of battery life with the included charging case.

Primary Device Attach
Surface Pro
Surface Pro X
Surface Laptop
Surface Book
Surface Studio

Accessory Bundles
Surface Pen

Coffee Break

Teams Pills

Teams Pills 2020

Un percorso di formazione tecnica e commerciale
su #Teams

Prossimi appuntamenti

Complex

Basic

FROM ZERO

TO HERO

Lesson 1

Introduzione a Teams, installazione & configurazione

29 Aprile 2020

Lesson 2

Scenari di utilizzo, adozione e casi d'uso

6 Maggio 2020

Lesson 3

Teams Meeting: Tips & Tricks & scenari d'uso

13 Maggio 2020

Lesson 4

Teams Sicurezza & Compliance

20 Maggio 2020

Lesson 5

Teams Migrazione da Skype, funzionalità voce & integrazione della funzionalità Meeting con Surface Hub

27 Maggio 2020

Lesson 6

Teams: integrazione con Power Platform

3 Giugno 2020

Lesson 7

Teams as a platform

10 Giugno 2020

Lesson 8

Teams Licensing

17 Giugno 2020

April

June

Microsoft
Modern Workplace Academy
Materiali utili per i nostri partner

End of support: time to help customers move to M365

by Marco Cattaneo, Sr. Product Marketing Manager M365

https://www.cloudchampion.it/c/end-of-support-time-to-help-customers-move-to-microsoft-365

Microsoft

Microsoft
Modern Workplace Academy
Partner of the Month

Microsoft

Microsoft
Modern Workplace Academy
Partner of the Month

Microsoft

Microsoft
Modern Workplace Academy
Partner of the Month

Si-Net

Microsoft

Microsoft
Modern Workplace Academy
Partner of the Month

Microsoft Teams Calling

All-in-one communication

Transform how work gets done by unifying chat, files, meetings, apps, with Calling

Calling by default for every user in Teams

All of your Teams users can make and receive VOIP calls from other Teams users for true collaboration

Add dial tone seamlessly

Easy to add dial tone users and then manage then from the Teams admin portal

BUSINESS CALLING, REINVENTED

THEN

NOW

CALLING TIED TO DESK PHONE

CALL FROM ANY DEVICE AND LOCATION

JUGGLE MULTIPLE APPS

UNIFIED COMMUNICATIONS FROM ONE APP

ON-PREM PBX MAINTENANCE COSTS
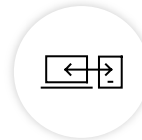
CLOUD-BASED PHONE SYSTEM SAVES MONEY

MULTIPLE VENDOR COMPLEXITY

SINGLE PROVIDER SIMPLICTY

Welcome to Cloud Telephony

All-in-one communication, including Telephony*

Transform how work gets done by unifying calling, chat, meetings, calendar, and email

Calling, chat, and meetings in a single app
Simplify your communications by unifying calling with chat and meetings in Microsoft Teams.

Built-in audio conferencing
Add flexibility to your meetings with a dial-in number, integrated into every online meeting.

Do your best work, in one suite
Unified contacts and calendars across Teams & Outlook. Collaborate in the Office apps within calls and meetings.
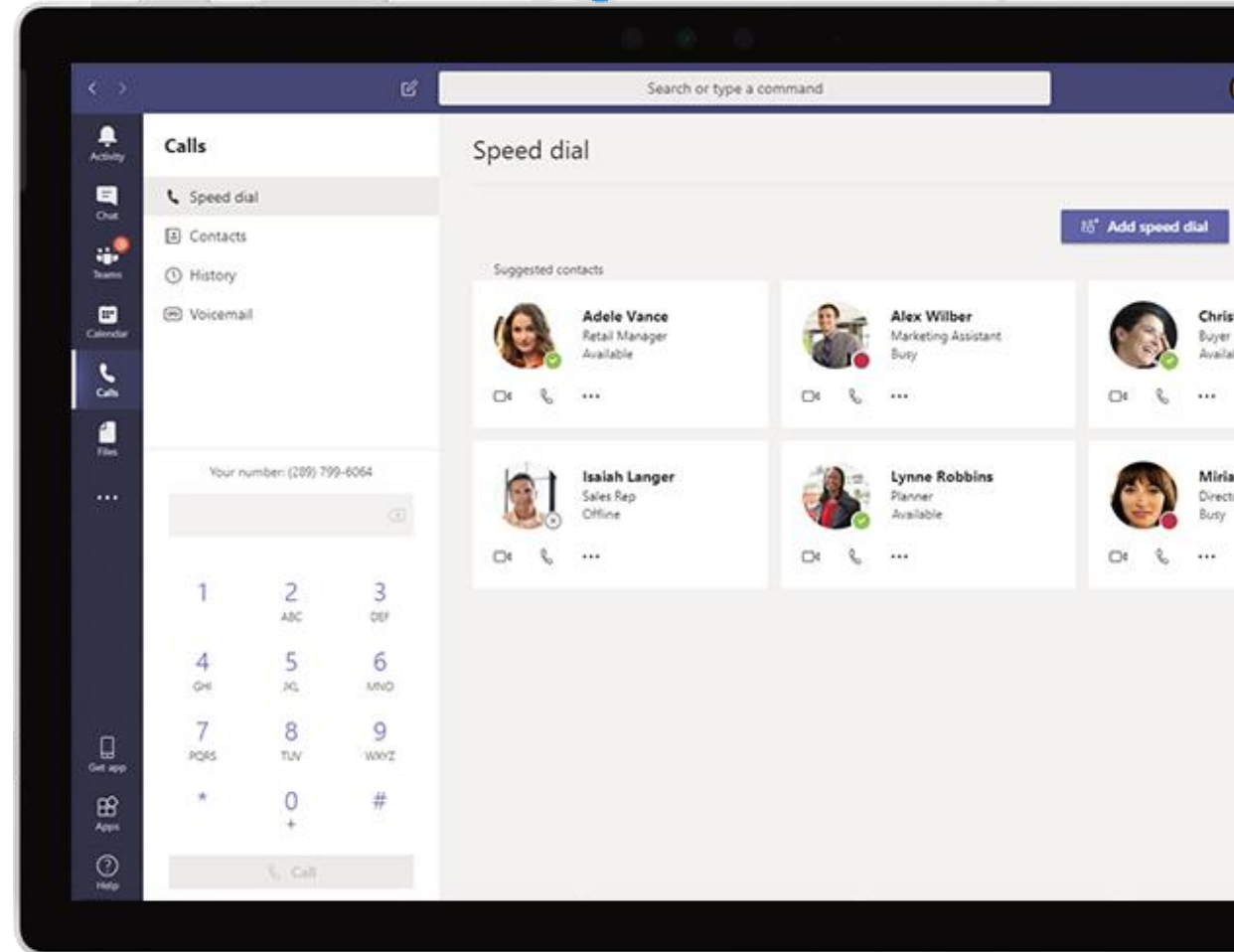
*Now available for all-size organizations
Introducing Microsoft 365 Business Voice for SMBs

Easy and intelligent calling

Communicate with more flexibility, ease, and intelligence so you can stay connected when you need to.

Call from anywhere, on any device
Stay connected with a single phone number across computers, mobile devices, & desk phones.

Quick one-click calling & meetings
Call any number, schedule & join meetings, and turn chats into a calls with a single click.

AI-powered intelligence
Automatic voicemail transcription plus inline chat translation & real-time captioning in meetings.

Business Voice features

Calling

Call Control	Visual Voicemail
Call Park	Voicemail-to-email
Call Forwarding	Caller ID
Call Transfer: Supervised & Blind	One touch calling
Call Delegation	Dial by name or number
Call Screening	Add Participants to a 1:1 Call
Call Hold	Presence
Call Logs	Outlook Integration
Call Blocking	Calling Built-into Microsoft Teams
Do Not Disturb / Breakthrough	Teams Desktop & Mobile Apps
Distinctive Ringtones	Teams-Certified Devices
Group Call Pickup	Integrated Audio Conferencing
Shared Line Appearance	Unique Conferencing Dial-ins
Music on Hold	Conferencing up to 250 Participants

Admin
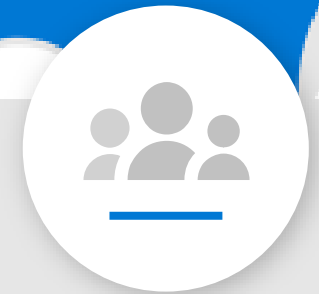
Cloud PBX	Local Numbers
Number Porting	Toll-free Numbers
Multi-level Auto Attendant	Company & User Phone Numbers
Multilingual IVR	Extensions
Call Queue	Integrated Calling Plan
Music on Hold	Bring Your Own Calling Plan (Direct Routing)
Global Call Routing	Performance Reports
Location based routing	Quality of Service Reports
Emergency Location Based Routing	Call Logs
Exchange Calendar Call Routing	Call Monitoring
Dynamic E911	Call Analytics
Multi-site Support	Call Quality Dashboard
24x7 Customer Support	Device Management
Single Sign-On	Media Bypass Support
	Expanded SBC Support

DEMO

- Calls

Calling and Media Streaming

for audio calls, video calls, and meeting

1:1 call (direct)

HTTP REST signaling
Media

Signaling always travels via 443 TCP to O365

Corporate firewall

Alice

Bob

Media flows peer to peer
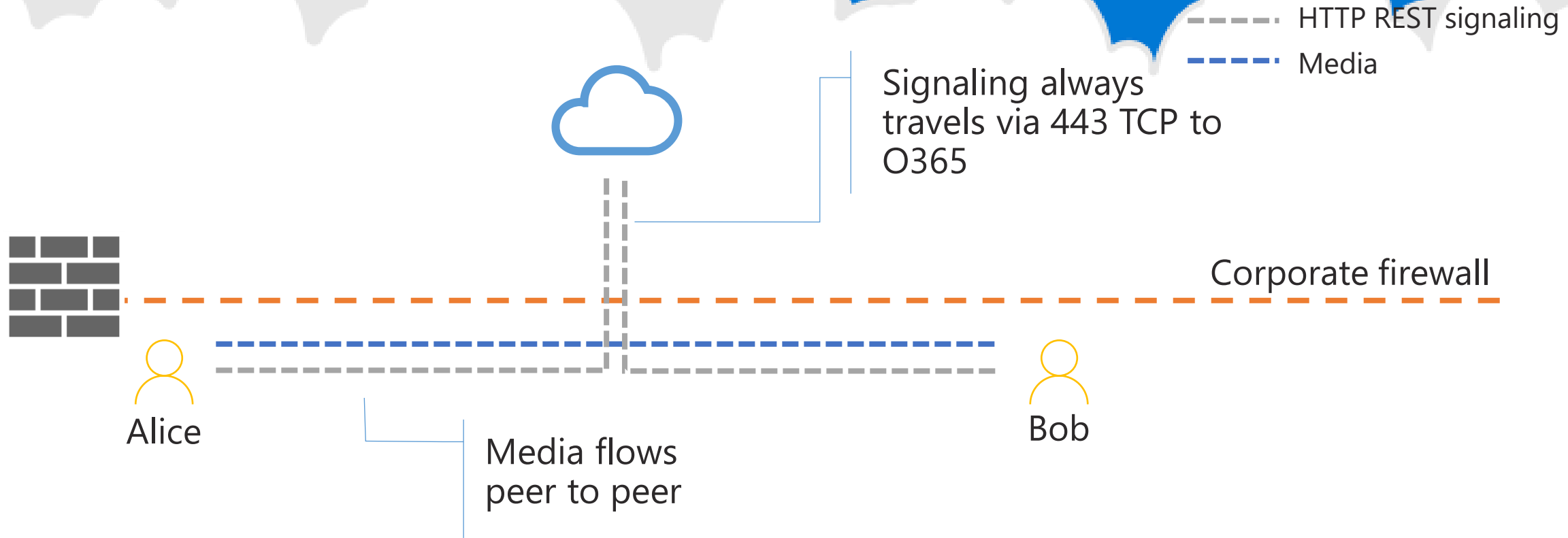
If possible, media will flows peer to peer

For users within the same network, media traffic stays on the network

Minimizes network path and latency

1:1 call (relay)

HTTP REST signaling
Media

Relay close to user location to minimize latency

Signaling always travels via 443 TCP to O365

Alice

Bob

Media flows peer to peer
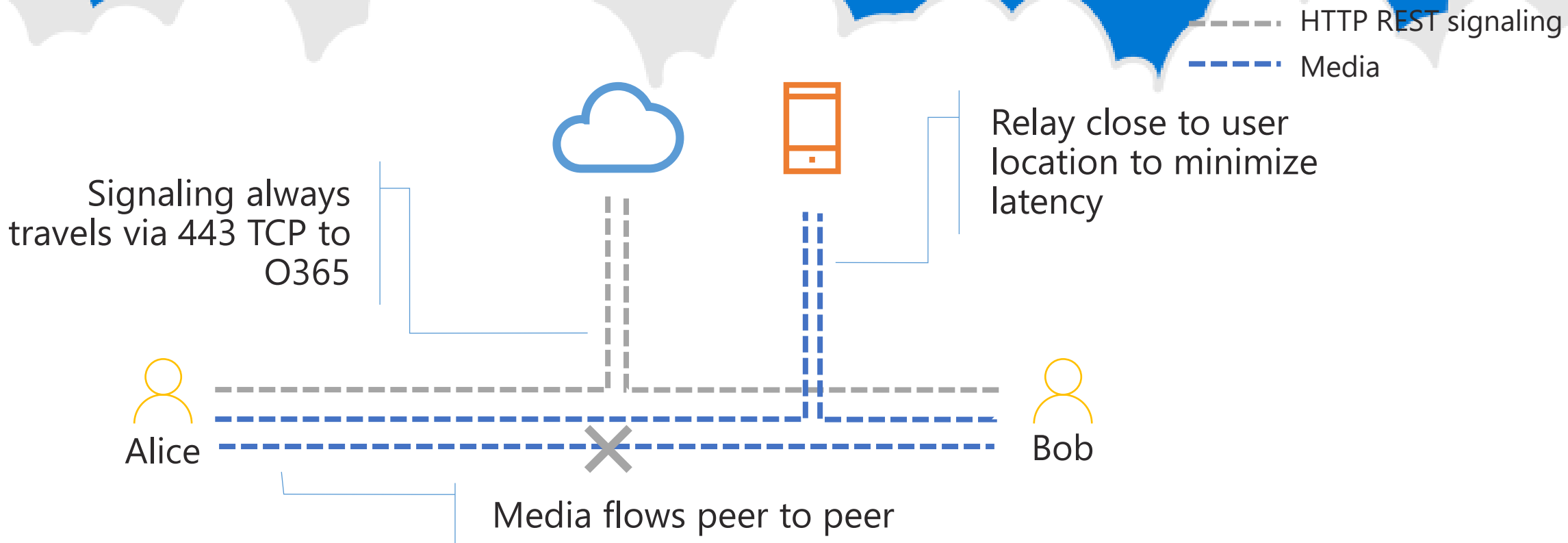
If direct connection is not possible, traffic will be sent via relay

Relays are distributed all over the world

Teams will select the relay closest to the user to minimize latency

- Skype's world wide Anycast IP - 13.107.8.2 (global.**tr**.skype.com)
  - Same IP assigned to geographical dispersed servers
  - IP routing ensures to always use the "closes" instance
- "Closest" available Transport Relay will receive traffic
  - Based on actual endpoint location
  - And based on privacy boundaries
    - Sovereign tenants users use local infrastructure
    - EU tenants use Transport Relay in EU and US
    - Other tenants use Transport Relays world wide

Customers can only benefit of this, if local internet breakouts are used.

- No matter where the tenant is located, users in single regions always have meetings in their region
  - A meeting will always be located in a data center closest to the first user joining
- Distributed relay for media transport
  - Each user «speak» with closest DataCenter to minimize latency

Skype for Business Peer to Peer calls on different networks (NAM Tenant)
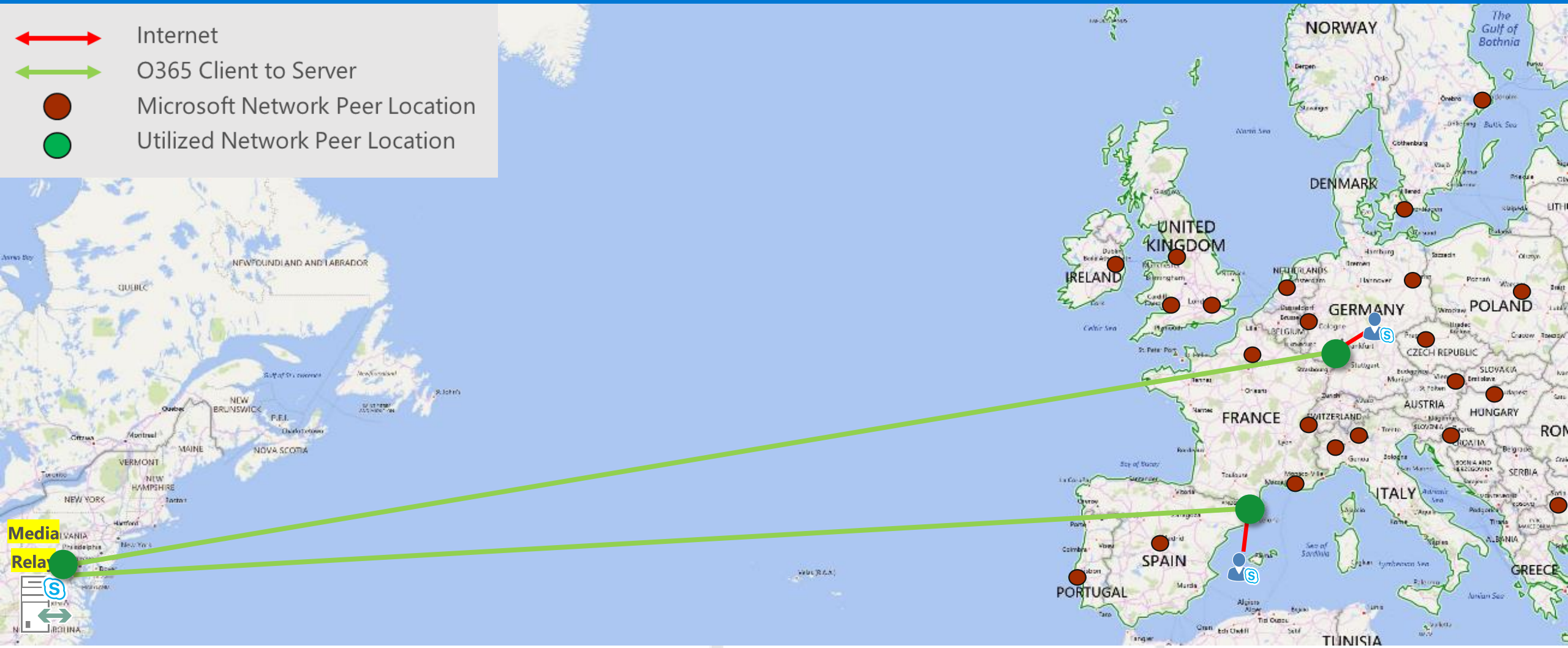
Teams Peer to Peer calls on different networks (NAM Tenant)
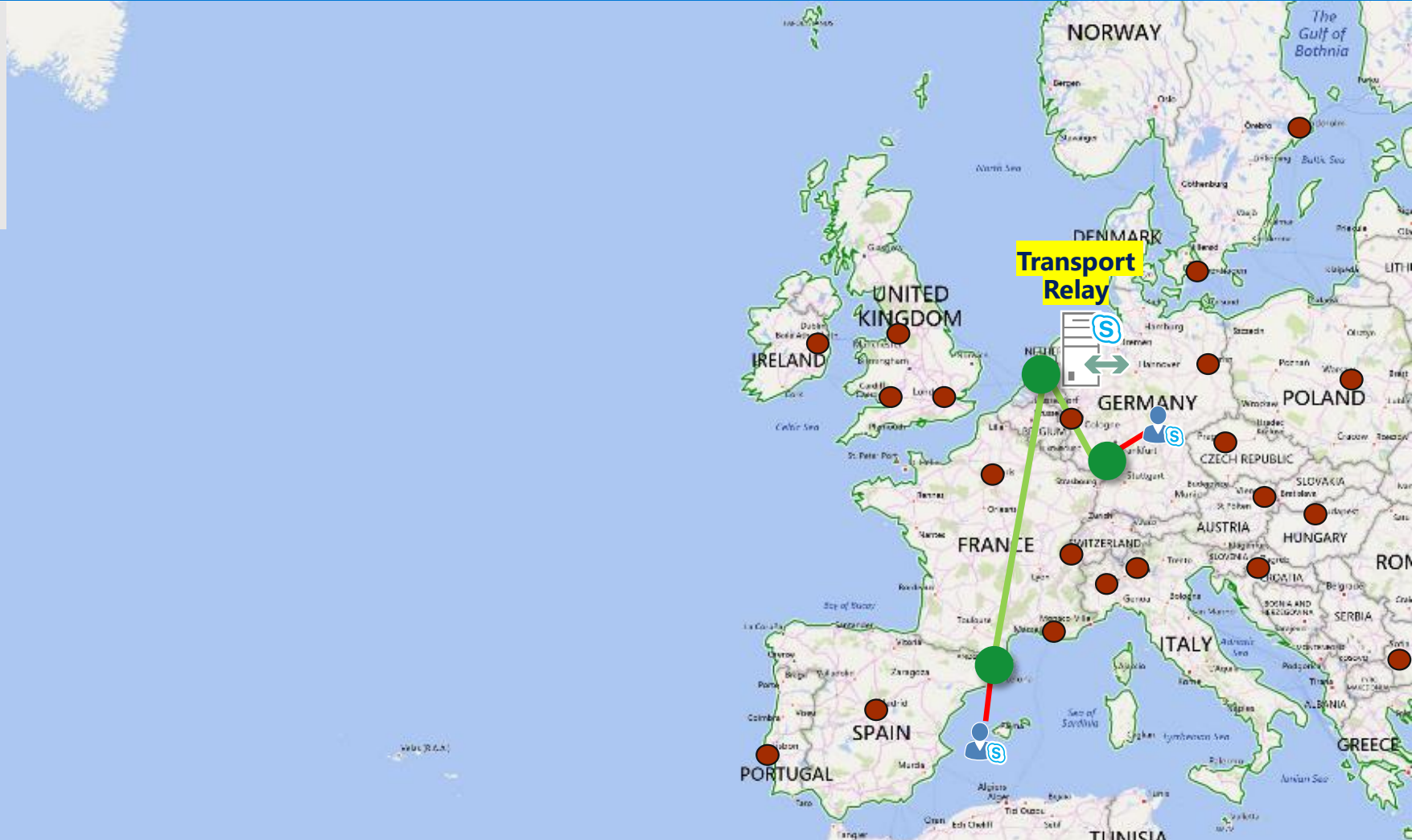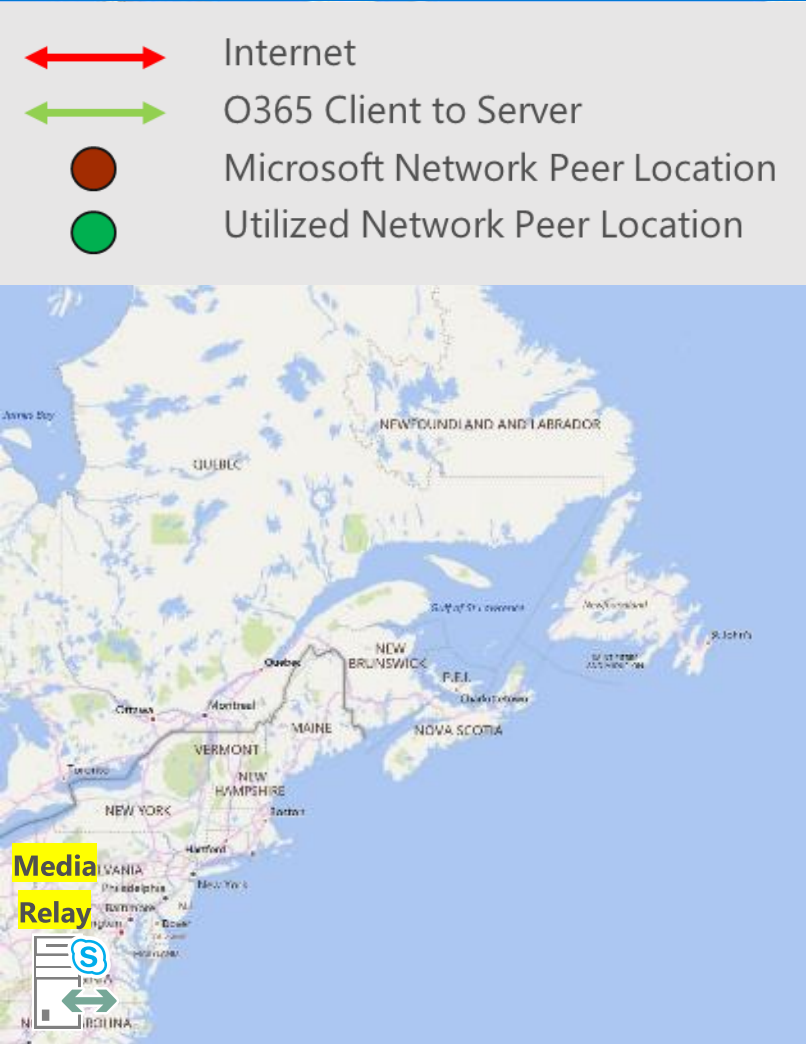
Microsoft Phone System

- **Phone System** is the Microsoft technology for enabling call control and PBX capabilities in the Office 365 cloud with Skype for Business Online and Microsoft Teams*

- Is like a cloud version of SfB Enterprise Voice (and SfB Plus CAL)

*What is Phone System in Office 365?
https://docs.microsoft.com/en-us/microsoftteams/what-is-phone-system-in-office-365

Telephony in Teams vs Skype for Business

- Teams
  - Telephony can be enabled only thru Phone System
  - Voice Users MUST be hosted online
  - PBX Call Control is cloud-based and follow Cloud-based rules (ie Emergency Calls)
  - Internet connectivity is required to place call
- Skype for Business
  - Telephony can be enabled thru Phone System (for online users) or thru Enterprise Voice
  - Voice users can be hosted online or on-prem (SfB Servers)
  - PBX Call Control is server-based and can be mixed with cloud-based in hybrid configurations
  - Internet connectivity is not required to place call

Mind the difference in platforms and protocols!

- Who speaks with whom
  - languages (protocol) ?
- SfB Endpoint compatibility
  - IP Phone & devices
  - Audio Conference systems (rooms)
- Features & Futures

Microsoft Teams Calling components

The hub for teamwork

Microsoft 365

Microsoft Teams

PBX

Phone System

Phone System, when paired with Microsoft Calling Plans and/or Direct Routing, provides a full enterprise calling experience for Office 365 users in Teams on a global scale

PSTN dial tone

Microsoft Calling Plans

Direct Routing in Teams
(Telco Calling Services)
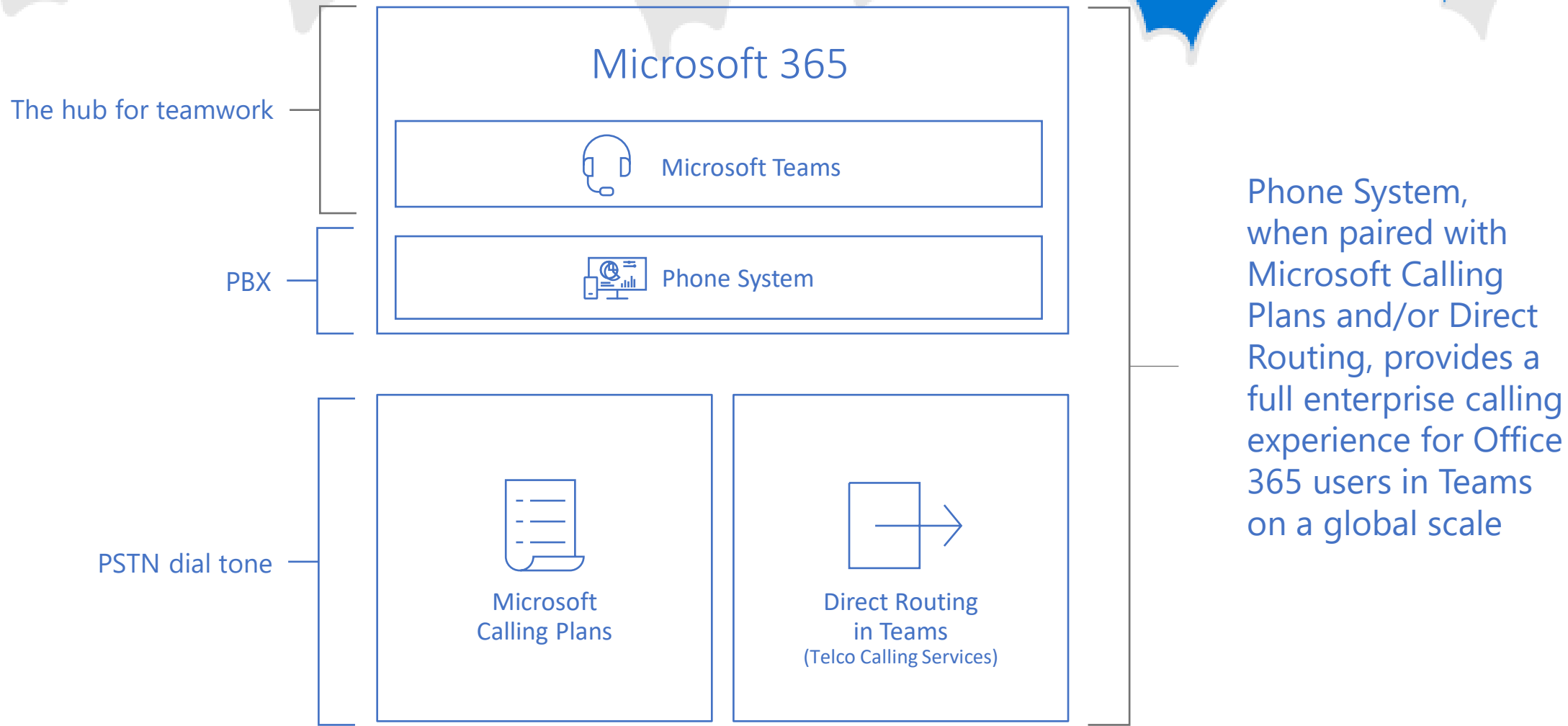
1. Microsoft Calling Plans
   - Microsoft as a Telco provider (Carrier)
   - Bring your phone numbers to Microsoft
   - Not available in Italy
2. Office 365 Direct Routing for Teams
   - Leverage Onpremises Telephony
     - existing PBX (integration)
     - existing Telco PSTN Connectivity
     - legacy devices (analog, fax, …)
   - Keep your numbers with traditional Telco/Carrier

Mix and Match is an available and interesting option ☺ (ie: multinational organizations)

Direct Routing for Teams

PSTN network

PSTN TRUNK

Certified Session Border Controller(s)

Analog Devices Adaptor (ATA)

Third-party PBX

INTERNET

Microsoft Phone System (Cloud PBX)
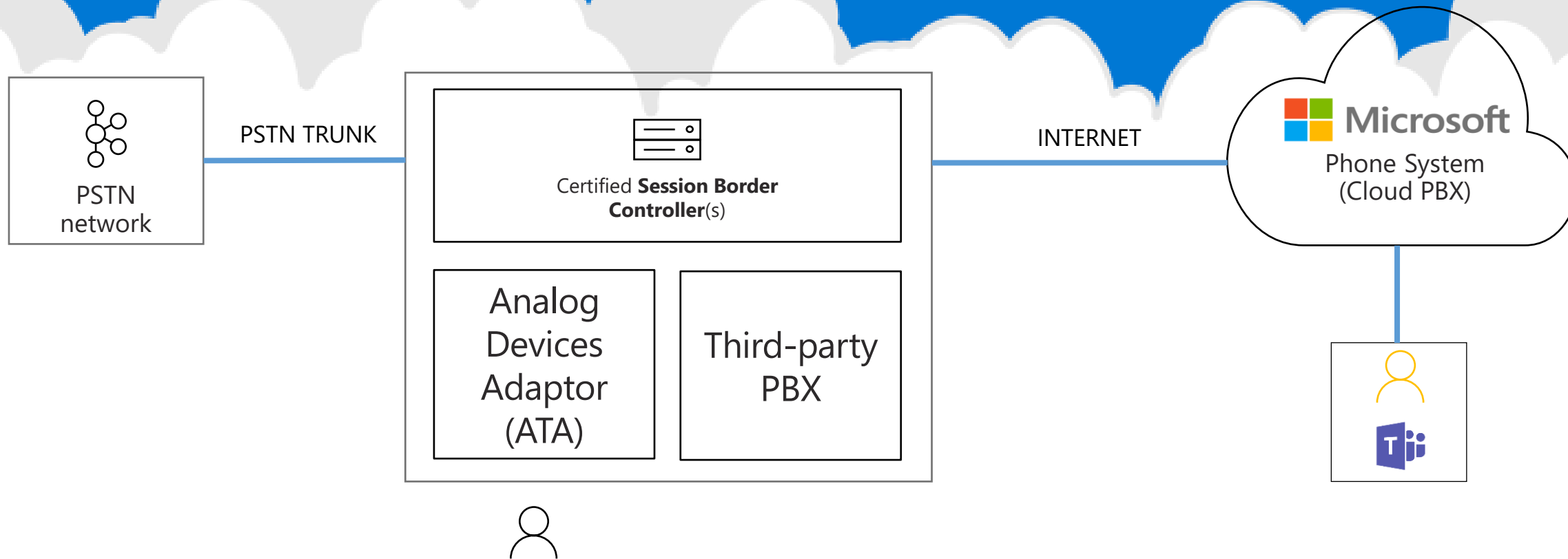
Session Border Controllers (SBC) from certified partners such as **audiocodes** **ribbon** and others

Connect own 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)

DEMO

- Phone System configuration overview
- Direct Routing Dashboard
- Phone Numbers & Porting
- Dial Plan

Microsoft Teams Devices

Alessandro Appiani

Peripherals drive usage and experience

Roughly 72% of employees will be remote by 2020

Requirement for clear audio and crisp video

Defining user persona core to equipping the right device

Understanding the space in which we work

IDC Forecasts U.S. Mobile Worker Population to Surpass 105 Million by 2020
(https://www.businesswire.com/news/home/20150623005073/en/IDC-Forecasts-U.S.-Mobile-Worker-Population-Surpass)

Microsoft Certified Devices

Certified for Skype for Business

Tested for highest quality audio & video

Supported by Microsoft and our partners

Millions of devices shipping each year

All work with Microsoft Teams

Certified for Microsoft Teams

Closer integration with Microsoft Teams

Integrated Teams notifications

Optimized for voice skills in Microsoft Teams
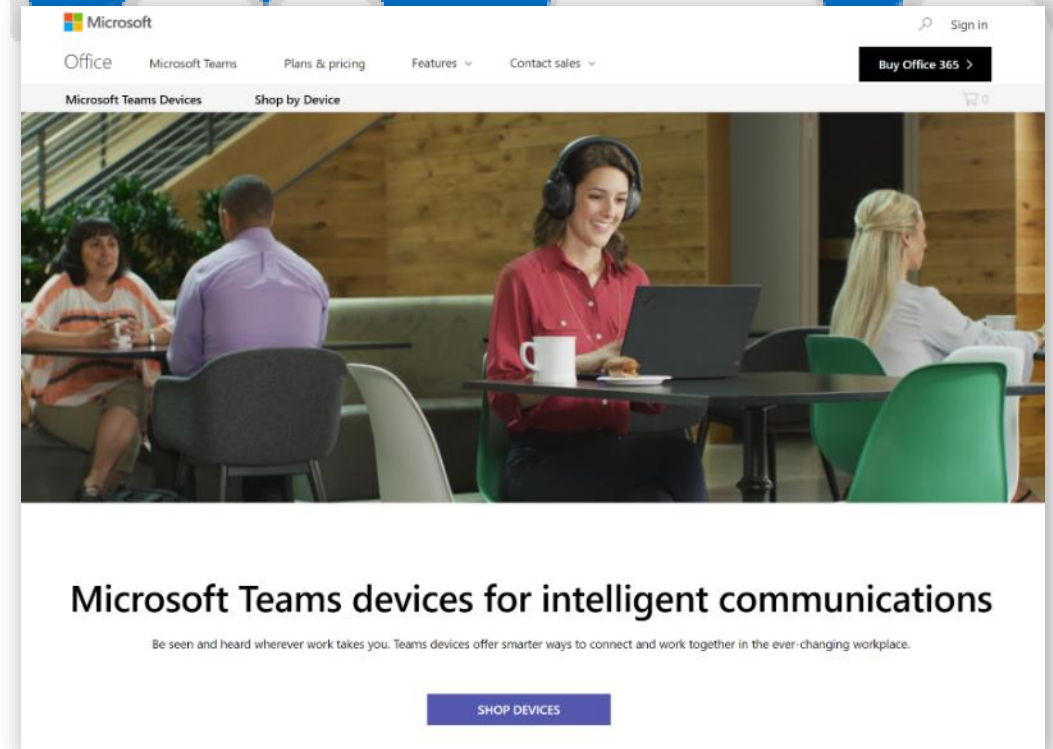
aka.ms/teamsdevices

Room systems

CRESTRON   HP   Lenovo   logitech   Polycom   Yealink

Room phones

CRESTRON   Polycom   Yealink

Personal devices

audiocodes   Jabra®   plantronics   SENNHEISER   Yealink   CRESTRON
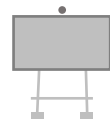
Microsoft Teams Meetings & Videoconference

Alessandro Appiani

Teams Meeting

Overview

Improvements from Skype for Business

New investments to improve

Joining meetings including dial back

Mid-call Drops, stay connected

Audio and video quality

Desktop sharing

Low bandwidth network support

Cross company meeting simplification

Simplifying optional IP and port whitelisting

Support for full port 443 SSL/HTTP transport

Web clients for all platforms

Making Meetings just work

Joining a meeting

One click (or tap) join to audio conferences

The right A/V device will be auto-picked while letting the user over-ride easily

Easy meeting join from Mobile phones (iOS and Android) – Wi-Fi, mobile

Echo, echo, echo... Howling prevention & echo cancellation while multiple devices are in the same room

Helping users

Better User Facing Diagnostics – Mic, speaker, audio quality, network connectivity

Interactive Troubleshooting – ex: notify user when speaking while Muted

Video privacy leveraging background blurring

Why Microsoft Teams Meetings?

1. Consistent, familiar experience across PC, mobile, web, and meeting rooms

2. Real-time co-authoring with integrated Office 365 applications

3. Staying in the know with Meetings Lifecyle, before, during and after

4. Translate live captions and transcripts to over 60 languages

5. Audio Conferencing in 90+ countries, calling and full PSTN support

6. Adaptive, resilient audio and video over poor bandwidth, echo and more

7. Enterprise-grade security, compliance and manageability with Office 365

8. High-quality meetings that scale from 2 to 10,000 attendees

9. Transform every meeting and conference room with Microsoft Teams Rooms

10. Manage your files and video content with Office 365 services

Selecting the right device for your shared spaces

Examples of variables to discuss and consider

Customer-centric recommendations

- Budget
- Number of rooms to configure
- Space size
- Furniture configurations
- Room capacity
- Primary meeting behaviors (formal? informal?)
- Installation requirements
- Existing OEM relationship(s)
- Device management
- OS
- Specific features needs
- Access to files

Microsoft Teams Shared Devices

Microsoft Teams Rooms

- Purpose-built calling and meeting solution delivering a native Microsoft Teams experience with HD audio and video, on Teams certified 3rd party hardware

- Consistent, intuitive and inclusive meeting experiences including one-touch join, wireless content sharing and intelligent content capture

- Offers the most comprehensive set of Microsoft Teams calling and meeting features

- Pairs with certified A/V peripherals enabling customizable configurations that scale to any room size

- Ability to join SfB, Cisco and Zoom meetings through Direct Guest Join *(Coming CY2020)*

- Deploy, manage and secure your rooms in a simple and scalable way with the Teams Admin Center

Collaboration bar for Microsoft Teams

- Purpose-built calling and meeting solution delivering a native Microsoft Teams experience, with HD audio and video, on Teams certified 3rd party hardware

- Consistent, intuitive and inclusive meeting experiences including one-touch join, wireless content sharing

- Designed for smaller rooms, the collaboration bar offers a subset of Microsoft Teams calling and meeting features

- Optimized for touch

- Integrated solution that can be deployed within minutes, reducing installation costs and simplifying device management and troubleshooting

- Deploy, manage and secure your rooms in a simple and scalable way with the Teams Admin Center

Microsoft Surface Hub 2S

- All-In-One meeting and co-creation solution delivering a native Microsoft Teams experience, with HD audio and video, on Teams certified 1st party hardware.

- Just like Teams Rooms and collaboration bar, Surface Hub delivers consistent, intuitive and inclusive meeting and creative experiences

- Surface Hub is certified for Focus rooms, huddle rooms, and small meeting rooms and delivers the core calling and meeting features available through Teams

- Surface Hub is optimized for touch and pen experiences so you can drive the meetings and co-creation sessions from the front of the room

- Robust manageability features are delivered through Microsoft's enterprise-ready Intune manageability solution.

Primary focus	Agile teamworking, co-create with Whiteboard, access to Office 365 content, 3rd party applications, and Microsoft Teams meetings. Mobile, uninterrupted teamwork
Configuration	All-in-one
Displays	50-inch, 85-inch[1]; 4K+ resolution pen/touch screen
Price	US ERP $8,999.99[2]
OS	Windows 10 Team
Teams App	Microsoft Teams for Surface Hub App

1 Coming Soon
2 MSRP for 85-inch Surface Hub not yet announced; stand not included; price does not include any installation or licensing costs

aka.ms/teamsdevices

Teams Rooms

Teams Rooms hardware and software

A center of room **touch controller** lets you manage a Microsoft Teams meeting end to end

On the familiar Microsoft Teams app, built for Windows 10

Connects with displays and projectors, cameras and speakers

Add an HD audio/video experience to your meeting rooms

Transform your meeting rooms with Teams

Teams feature set	One-touch join	Make a phone call	Share with remote participants	Center of room control

Anyone, anywhere, any device	Dedicated Teams Meeting app	Scales to all room sizes	Add an HD audio/video experience to your meeting rooms

- Using AI, machine learning, and the power of Microsoft Graph, intelligent communications will bring new features and experiences before, during, and after every meeting and call.

- Microsoft Teams Rooms features:

  - Proximity beaconing

  - Cortana in meetings

  - Companion experiences

  - Microsoft Whiteboard

  - Touch/ink displays

  - Content cameras and Intelligent Capture

Microsoft Surface Hub & Teams Room Coordinated Join

Flexible join options

Single-touch join from Microsoft Teams Room console or Surface Hub 2S home screen

Maximize screen real estate

Microsoft Teams Room display shows community view of video feeds, while Surface Hub 2S shows content or Whiteboard

Audio/video coordinated

Microsoft Teams Room runs the audio and video with muting of Surface Hub 2S

Anticipating go-live in CY 2020
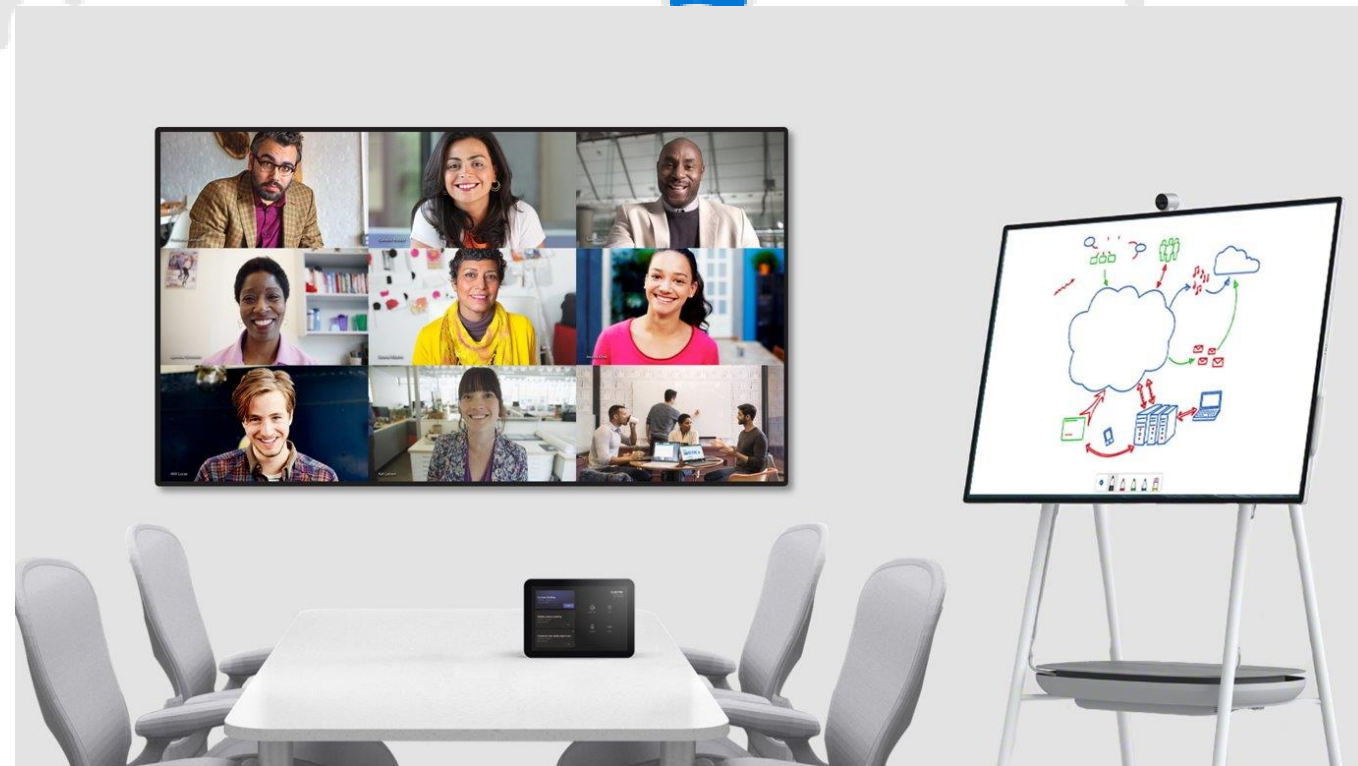
Top recommendation by space and key usage patterns

	Large Office	Focus Room	Huddle/Open Space	Small Conference Room	Medium Conference Room	Large Conference Room	Extra Large Meeting Space
	1 + 3-4 people	3 to 5 people	3 to 5 people	5 to 7 people	11 people	18 people	+18 people
	Within 2.3-meter radius	3 meters by 3 meters	Within 2.3-meter radius	3 meters by 4.5 meters	4.5 meters by 6 meters	4.5 meters by 8.5 meters	8.5+ meters
Meet and Present	Microsoft Teams collaboration bar	Microsoft Teams collaboration bar	Surface Hub 2S	Microsoft Teams Room	Microsoft Teams Room	Microsoft Teams Room	Microsoft Teams Room
Meet and Co-Create	Surface Hub 2S Windows Pro/Enterprise*	Surface Hub 2S 50"	Surface Hub 2S	Surface Hub 2S 85"* with A/V accessories	Microsoft Teams Room	Microsoft Teams Room	Microsoft Teams Room
					+ Coordinated Join* Surface Hub 2S	**Coordinated Join*** Surface Hub 2S	**+** Coordinated Join* Surface Hub 2S

*Device/configuration not yet available; Surface Hub 2S 85" available by year-end CY 2020 (Preview with select customers in Q1 CY 2020).
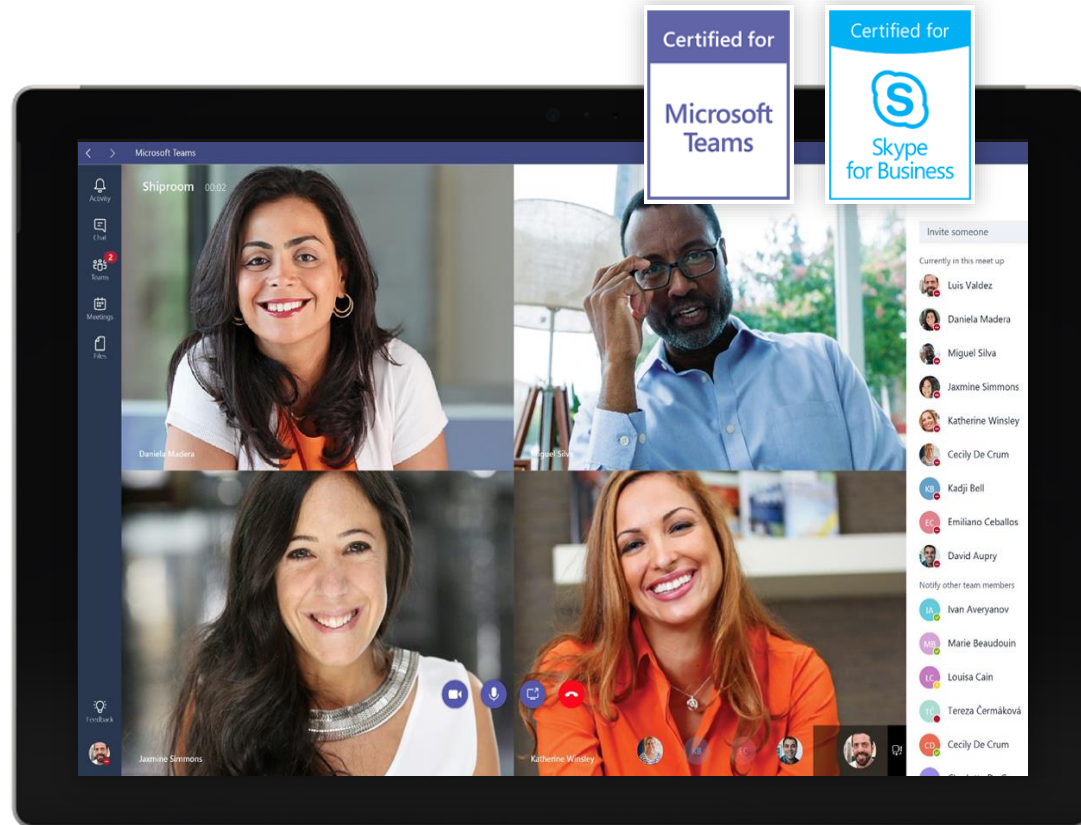*Coordinated Join available during CY 2020

DEMO

- Teams meeting

Cloud Video Interop

What is Cloud Video Interop?

Call in from any standards-based video teleconferencing (VTC) system on SIP & H.323

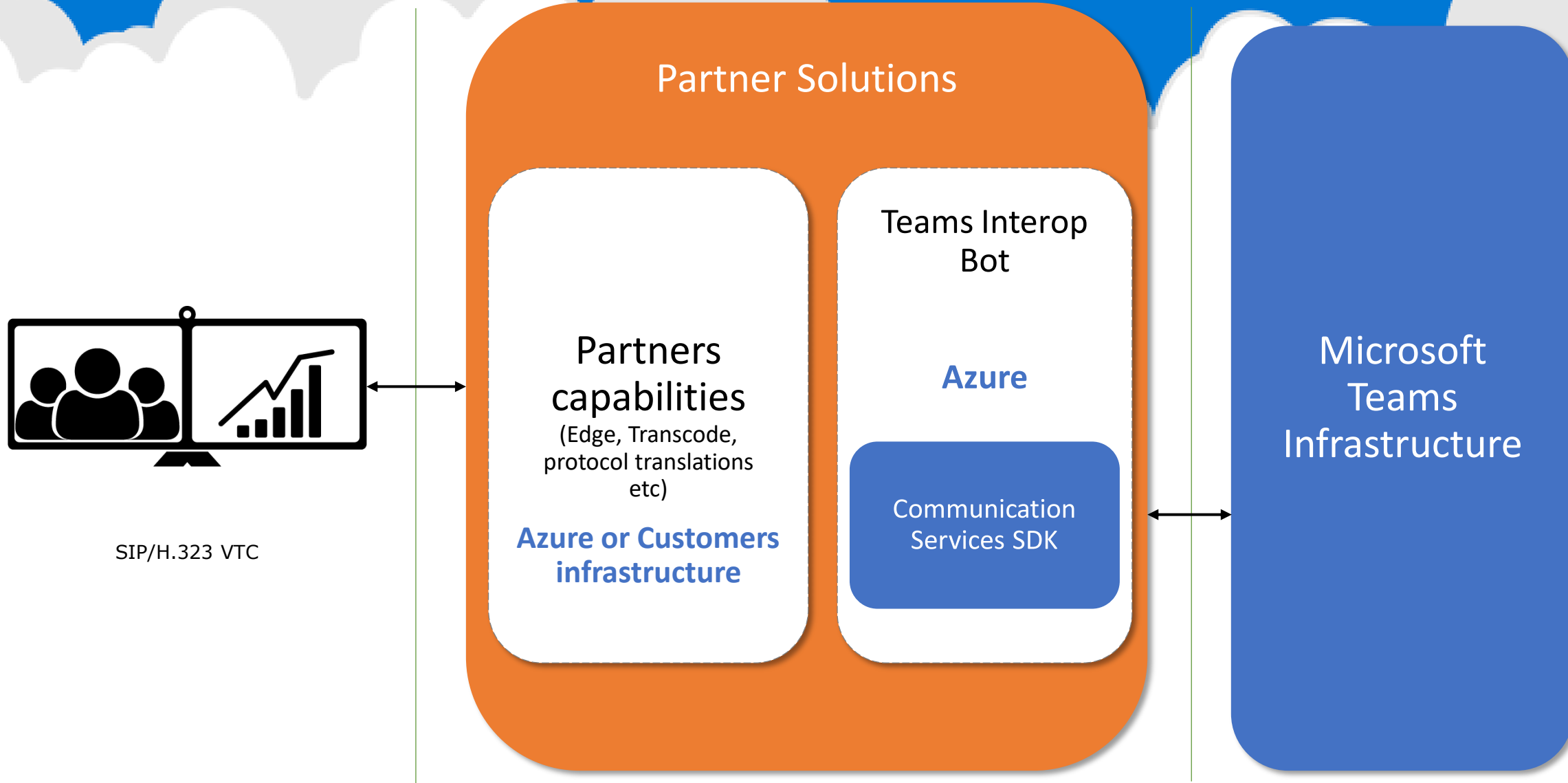**Native experience for Teams users to view content and video from Standard based Systems**

VTC systems join directly into Teams Meeting

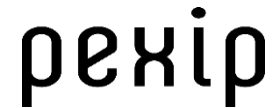**Global availability**

CVI Reference Architecture

Partner Solutions

Partners capabilities
(Edge, Transcode, protocol translations etc)

Azure or Customers infrastructure

Teams Interop Bot

Azure

Communication Services SDK

Microsoft Teams Infrastructure

SIP/H.323 VTC

Polycom RealConnect for Teams
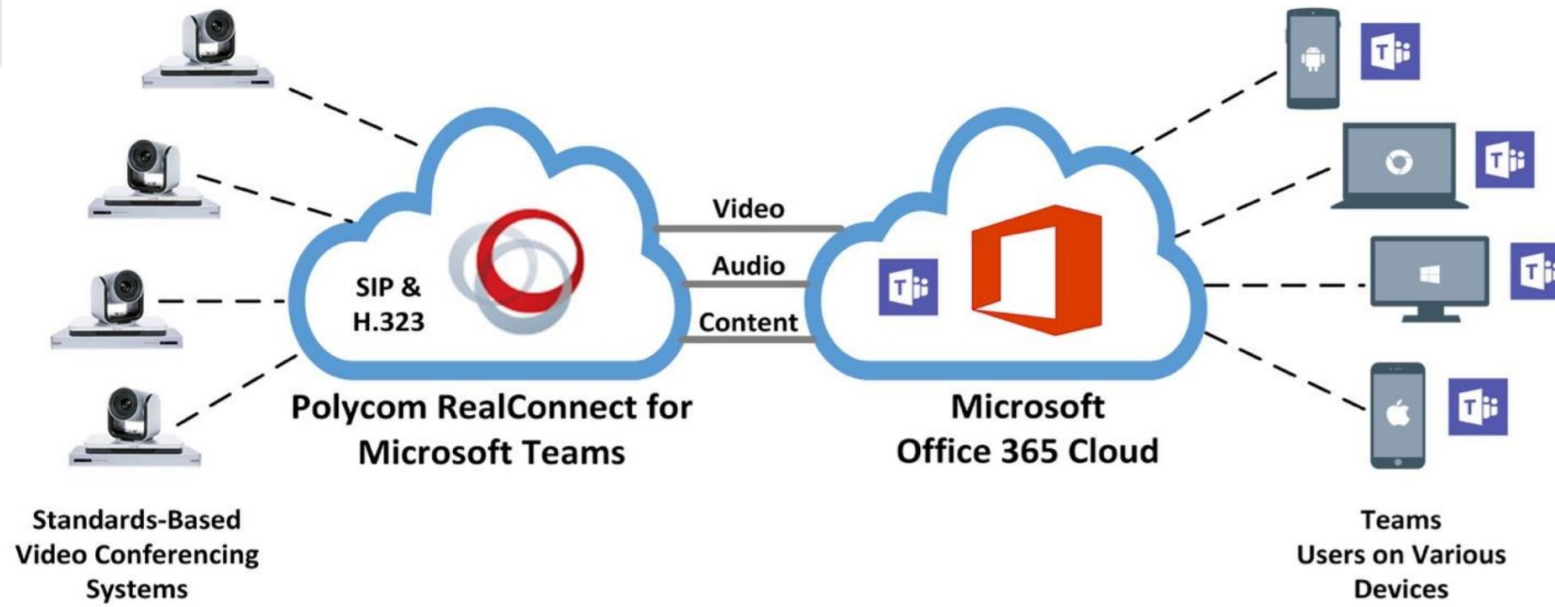
Cloud service

Offered by Polycom, worldwide

Hosted in the Microsoft Cloud using Microsoft Azure

Users can be enabled directly from within Office 365 portal

Supports wide range of devices

Non-native meeting devices can join a meeting

Extends the Polycom RealConnect interop technology

Supports Polycom, Cisco, and other VTC devices

Full video experience

Meeting audio and video hosted in Skype for Business

Simple scheduling and join URL experience

Supports desktop and application sharing

Cloud video interop

Pexip Infinity Fusion

A private VTC interoperability gateway for Microsoft Teams

Cloud video interop

A complete Teams CVI platform for customers that

Are concerned about data ownership and privacy and require control over their IT environments

Have extensive and/or complex traditional VTC environments and want interoperability with these technologies

Want to simplify migration from Skype for Business to Teams

Want to runs **in their own Azure instance** or even **in private data center (on-premises)**

Supports a wide range of devices

Provides SIP and H.323 VTC video interoperability for Teams

Enables most non-Microsoft solutions to join Teams meetings

Full Teams experience

Meeting audio and video hosted in Teams

Native Teams scheduling and join experience

Full desktop and application sharing both from Teams and VTC

Cisco & Zoom - Web Based interoperability

- Extension of Touch Control Panel Teams App

- Web-based

- Coming in 2020
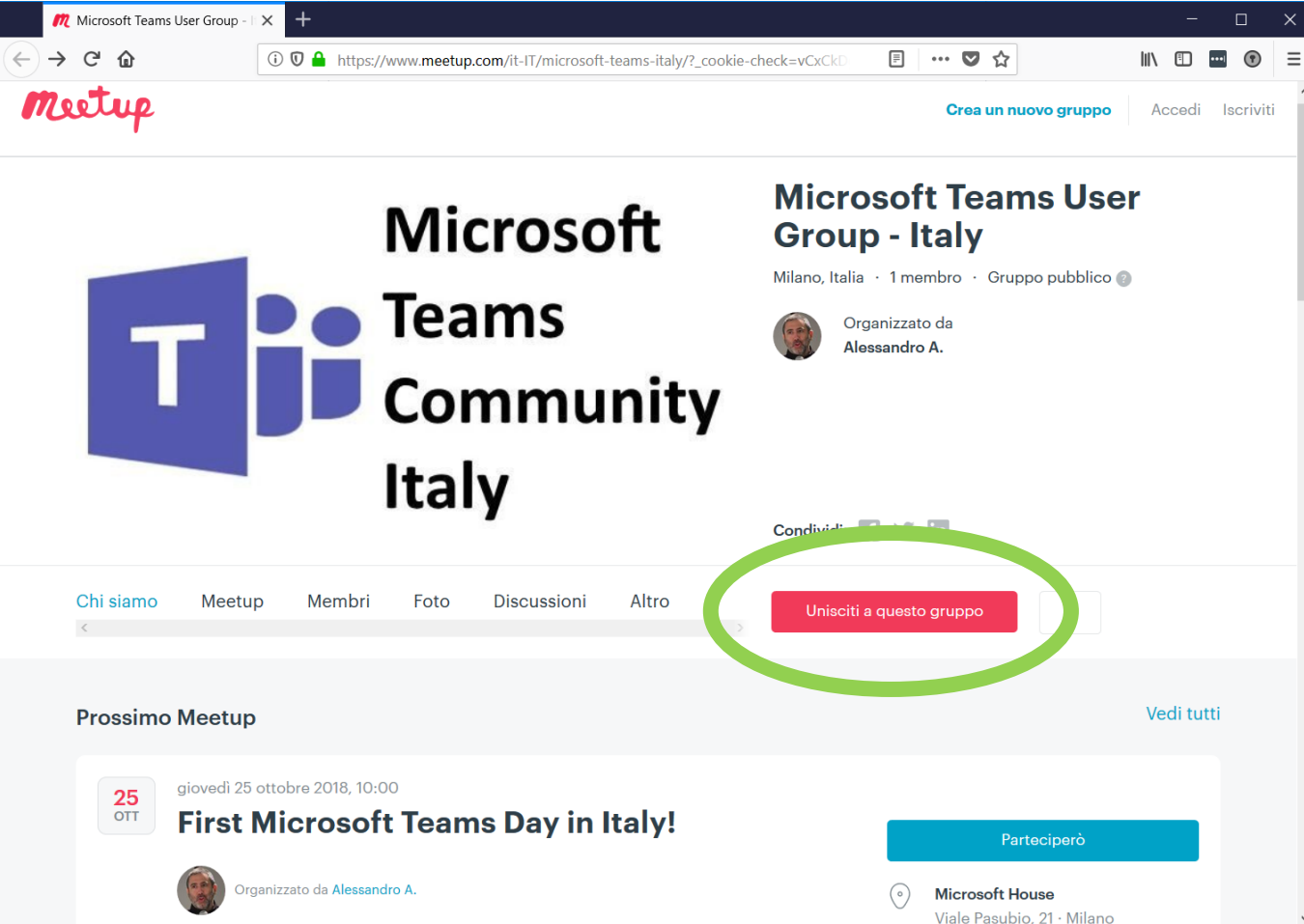
- Teams web-based Join will be available in Cisco Rooms

DEMO

- Scheduling with Interop SfB / SIP / H.323

Grazie!

domande?

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