



# Berlin 2023

Microsoft Teams und Telefonie –  
Ein Must Have für den Modern Workplace

Michael Plettner & Thorsten Pickhan



#aMSBerlinConf

# Michael Plettner

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<https://bio.link/plemich>



TALK Microsoft 365

Microsoft Teams  
UserGroup Germany

VIVA EXPLORERS



#aMSBerlinConf



# Thorsten Pickhan

Microsoft UC Consultant

 @tpickhan

Blog: <https://office365.thorpick.de>

Video Blog:

<https://youtube.thorpick.de>

*TALK*  
Microsoft 365

<https://www.talkm365.net>

 Microsoft Teams  
UserGroup Germany

<https://www.teams-ug.eu>



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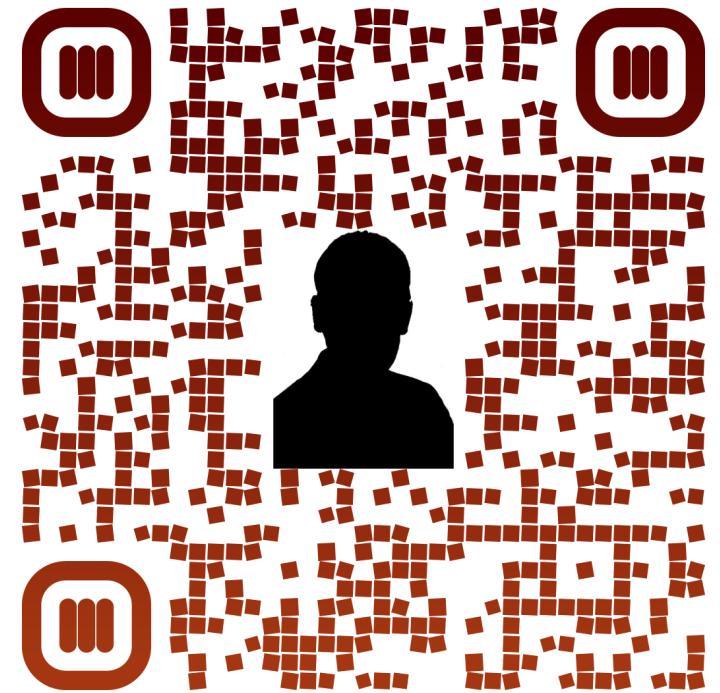
# Feedback

## General Feedback



<https://bit.ly/aMSBerlin23-G-Feedback>

## Speaker-Feedback



<https://bit.ly/aMSBerlin23-S-Feedback>

# Microsoft Telefonie – was müssen wir berücksichtigen?



## Anwender

Headsets  
IP Phones  
DECT



## Konferenzräume

Teams Room License  
Teams Room Device  
Collab Bar



## Öffentlicher Bereich

Common Area Phone  
Shared Device License  
IP Phones  
DECT



## Rezeption / Hotline

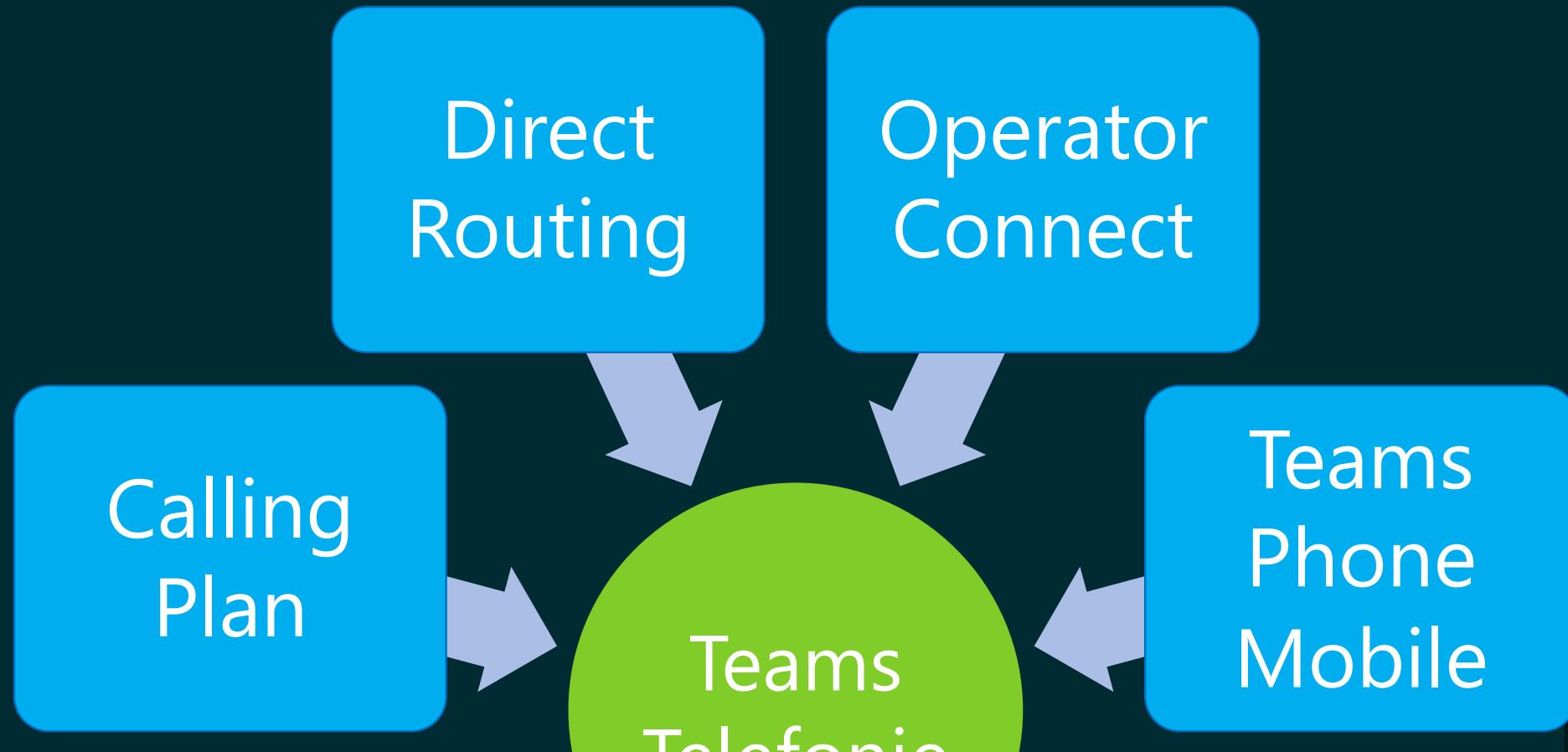
Headsets  
IP Phones  
Auto Attendant  
Call Queue  
Switch Boards



## Analoge Geräte

Fax  
Modem  
Intercom system  
Türsprechstelle  
Alarmanlage

# Übersicht Microsoft Telefonie

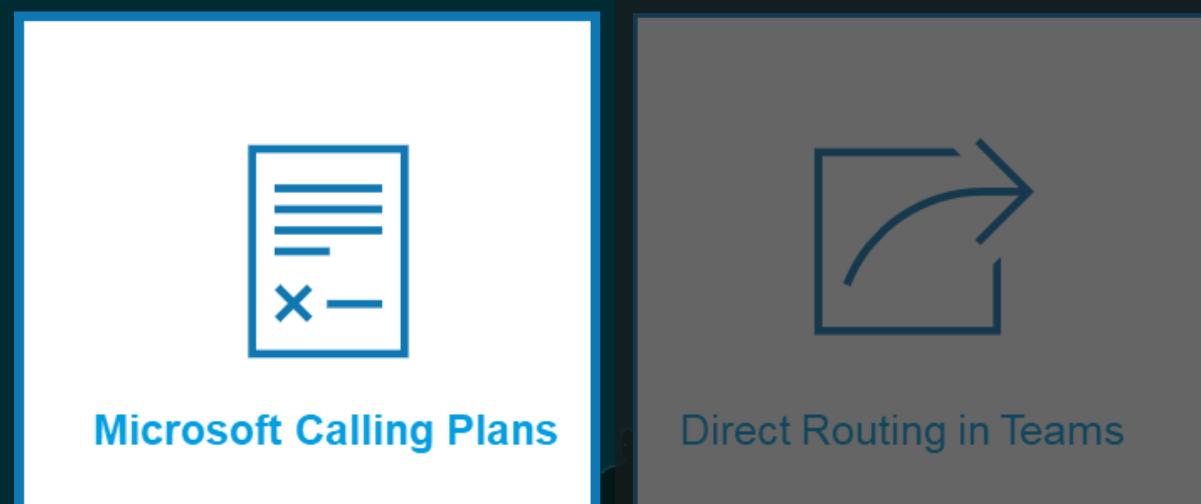


# Microsoft Teams Phone System – Calling Plan

E1/E3 Lizenz  
+ Phone System  
+ Calling Plan

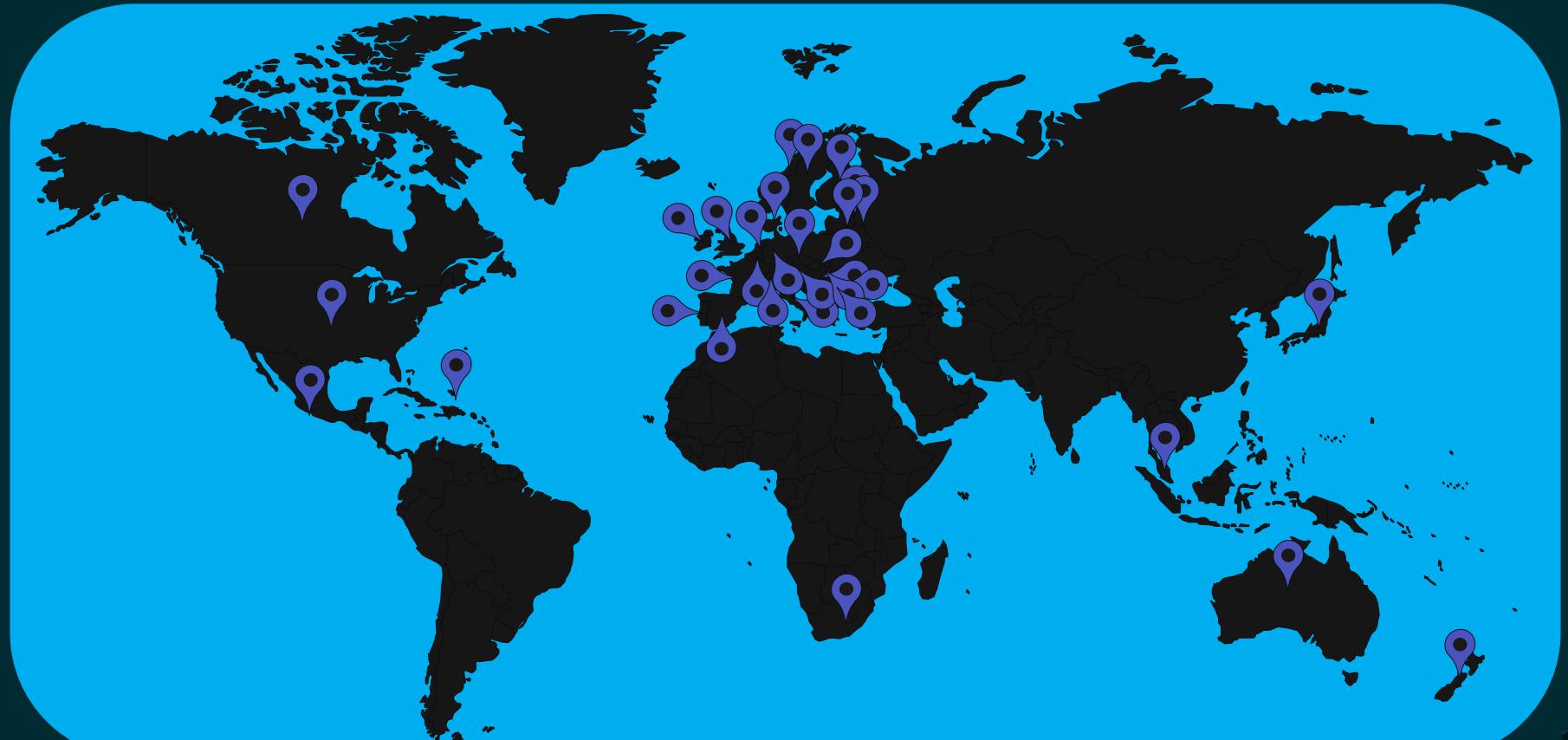
oder

E5 Lizenz  
+ Calling Plan



# Microsoft Calling Plan Verfügbarkeit

📍 Calling Plan Markets - Current



## Calling Plan Markets As of December 2022

Australia (via Telstra)	Luxembourg
Mexico	Netherlands
Austria	New Zealand
Belgium	Norway
Canada	Poland
Croatia	Portugal
Czech Republic	Puerto Rico
Denmark	Romania
Estonia	Singapore
Finland	Slovakia
France	Slovenia
Germany	South Africa
Hungary	Spain
Ireland	Sweden
Italy	Switzerland
Japan (via Softbank)	United Kingdom
Latvia	United States
Lithuania	

[Cloud voice availability spreadsheet.](#)

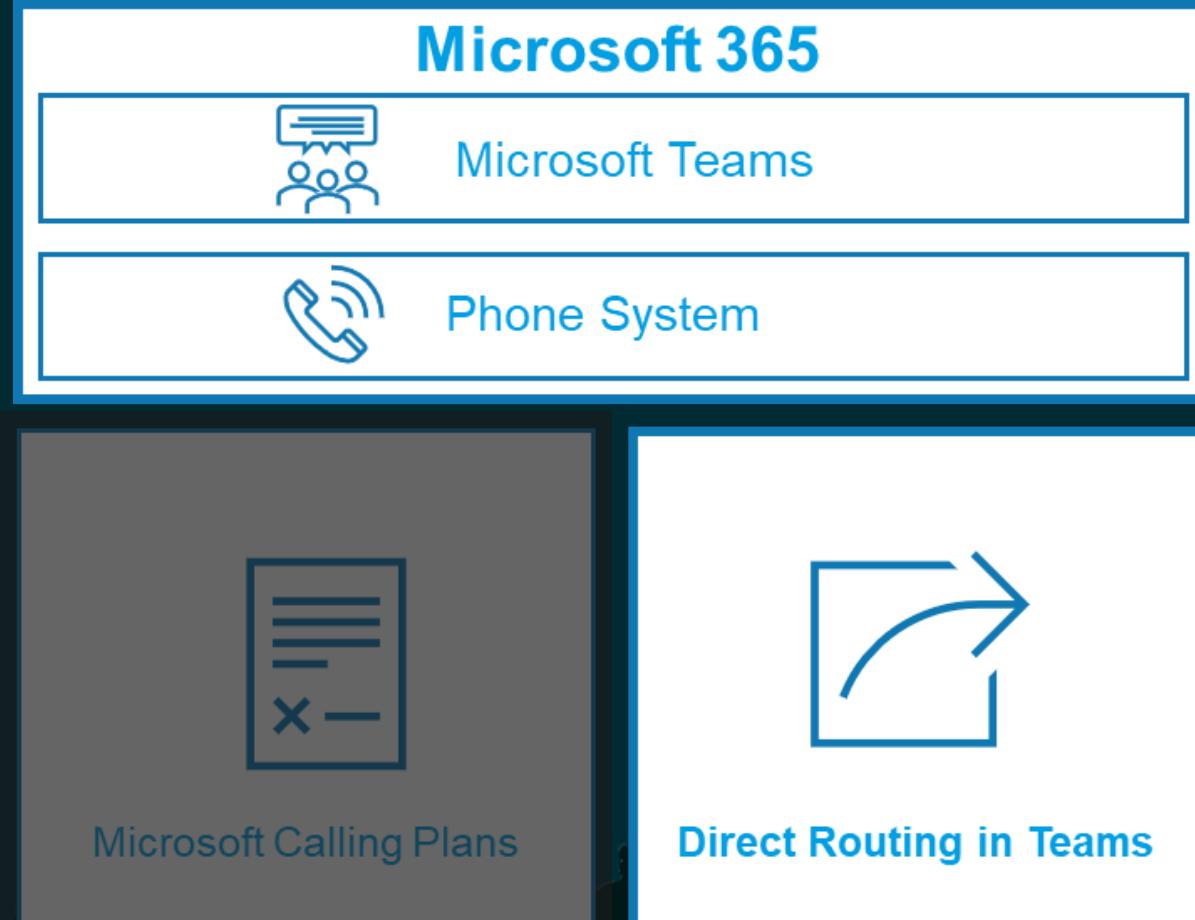


# Pooled Calling Minutes – ein Beispiel

- Benutzer mit dem gleichen Lizenzplan werden von Microsoft gepoolt
- Benutzer mit niedrigem Anrufvolumen gleichen Benutzer mit hohem aus
- Kein vermischen zwischen den Lizenzpools



# Microsoft Teams Phone System – Direct Routing



E1/E3 Lizenz  
+ Phone System

+ Session Border  
Controller

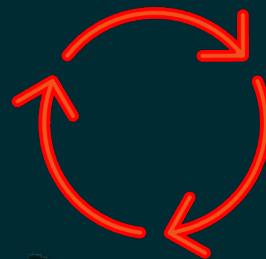
oder

E5 Lizenz  
+ Session Border  
Controller

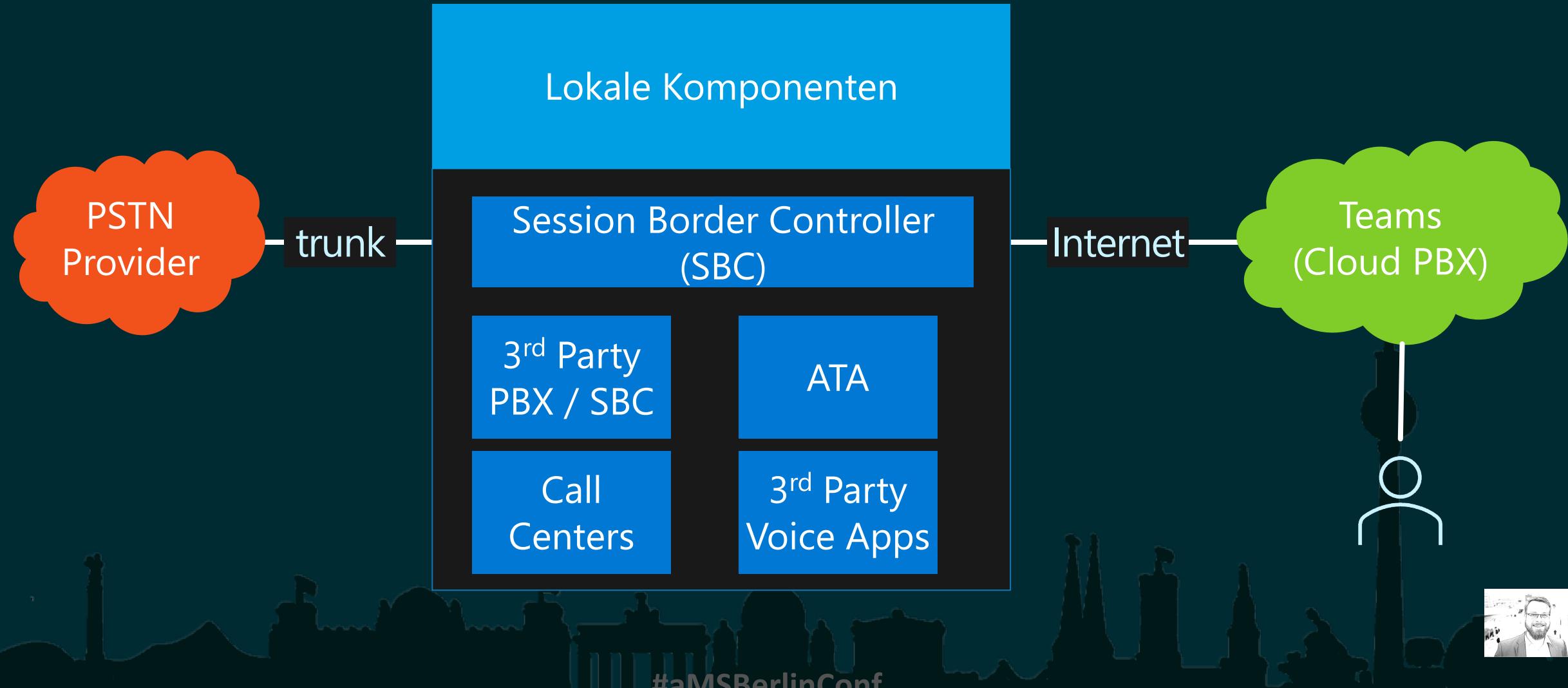


# SBC - Anywhere

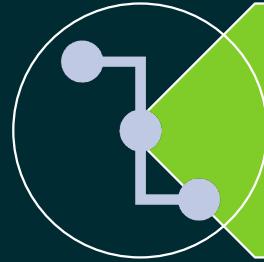
- SBC "übersetzt" Provider SIP zu Microsoft Teams SIP & vice versa
- "Firewall" für SIP Kommunikation
- Physikalisch oder virtuell
- Public cloud provider wie Amazon AWS und Microsoft Azure sind supported



# Microsoft Teams Telefonie – Direct Routing

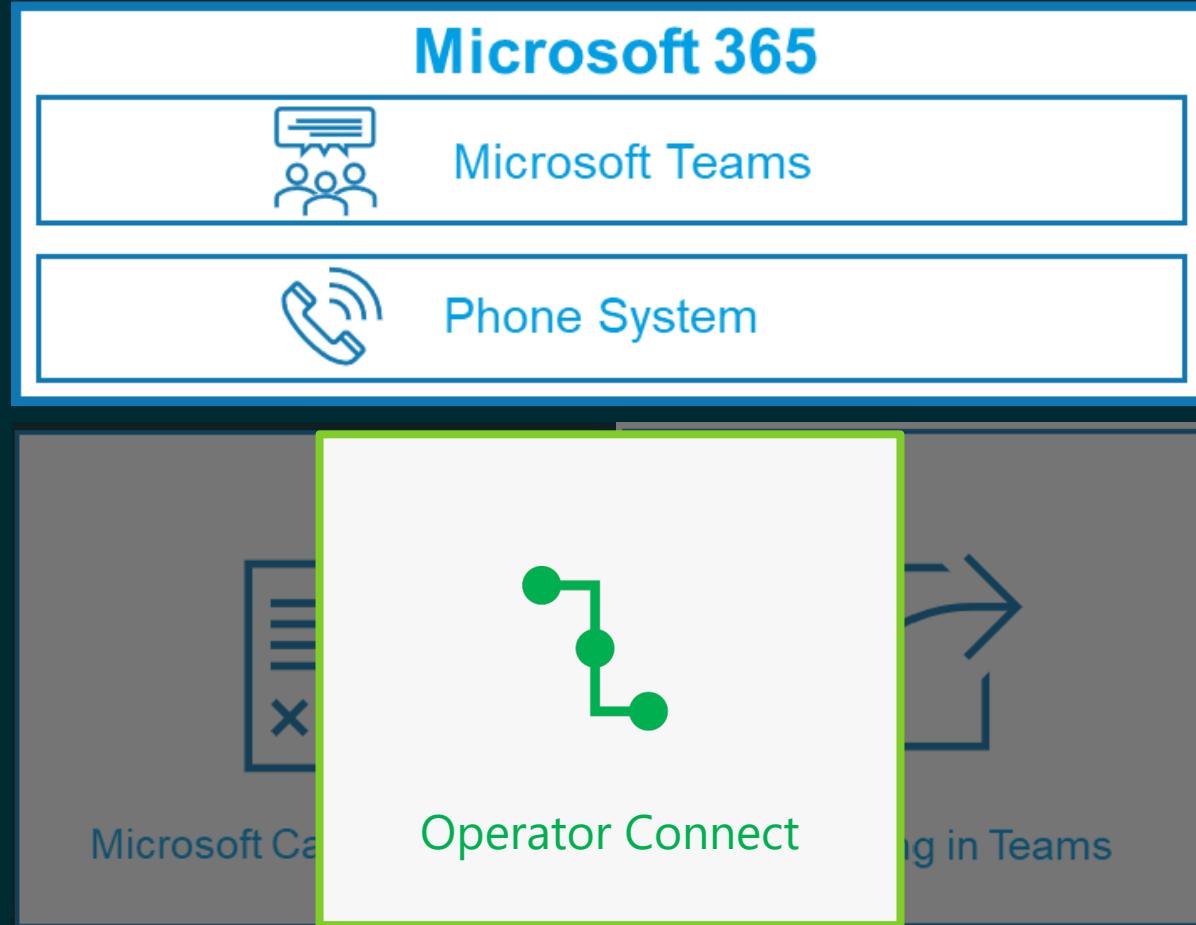


# Anmeldung SIP am SBC



Kann ein natives SIP Gerät sein oder ATA

# Microsoft Teams Phone System – Operator Connect



E1/E3 Lizenz  
+ Phone System  
+ Zertifizierter PSTN  
Provider

oder

E5 Lizenz  
+ Zertifizierter PSTN  
Provider



# Microsoft Teams Phone Mobile

## Operators Connect “brand”

- Dialing
- Conferencing
- Mobile



Phone System/  
Teams Admin  
Center

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# Microsoft Teams Phone Mobile - Provider



Verizon Mobile for Microsoft Teams

Available products

- ✓ Teams Phone Mobile calling

Served regions  
United States



Telekom Deutschland

Available products

- ✓ Teams Phone calling
- ✓ Teams Phone Mobile calling
- ✓ Audio Conferencing dial-in numbers

Served regions  
Germany



Telia

Available products

- ✓ Teams Phone calling
- ✓ Teams Phone Mobile calling

Served regions  
Sweden



Rogers for Business

Available products

- ✓ Teams Phone calling
- ✓ Teams Phone Mobile calling

Served regions  
Canada



Swisscom

Available products

- ✓ Teams Phone calling
- ✓ Teams Phone Mobile calling

Served regions  
Switzerland



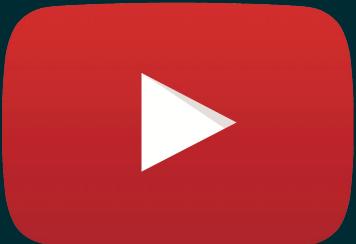
# Teams Mobile Phone – Some Details

## Talk 1 – Microsoft Teams Phone Mobile – ein Game Changer in der Telefonie

Was ist Microsoft Teams Phone Mobile? Wie erfolgt die Implementierung und welche Möglichkeiten und auch Einschränkungen bringt die Nutzung? Diese Fragen und mehr beantwortet Thorsten Pickhan im ersten Talk unseres Meetups.



The thumbnail features the Microsoft Teams logo (blue 'T' icon) and the title "Microsoft Teams Phone Mobile – ein Game Chan▶ in der Telefonie". Below the title is the name "Thorsten Pickhan". At the bottom left is a button labeled "Ansehen auf YouTube" with the YouTube logo. The background of the thumbnail shows a silhouette of the Berlin skyline.



# SIP Gateway



# Herausforderungen mit Teams Phone System (bisher)



# Funktionen des SIP Gateway

Anmeldung von nativen SIP Endgeräten an Microsoft Teams

Verwaltung und Monitoring des Endgerätes über TAC

Anmeldung erfolgt mit einem Benutzer

Zuweisung von Policies (Dial Plan, Call Restrictions, Voicemail)

Anwender können

# Voraussetzungen des SIP Gateway

Lizenzyierung erfolgt über normale Teams Lizenzen  
(Teams Phone System oder Teams Shared Device)



# Q&A



# Referenz Links

- [Microsoft 365 & Security for Partners - Operator Directory](#)
- [Country/region availability - Audio Conferencing, Calling Plans - Microsoft Teams | Microsoft Learn](#)
- [Plan SIP Gateway - Microsoft Teams | Microsoft Learn](#)
- [Configure SIP Gateway - Microsoft Teams | Microsoft Learn](#)
- [How to Configure the Microsoft SIP Gateway with AudioCodes Analog Telephone Adapters](#)
- [How to connect Spectralink IP DECT system with Microsoft Teams | Office 365 Blog \(thorpick.de\)](#)
- [How to connect the Poly Rove IP DECT system to the Microsoft Teams SIP gateway | Office 365 Blog \(thorpick.de\)](#)