

# Unified Communications

## Benefits & Deployment models

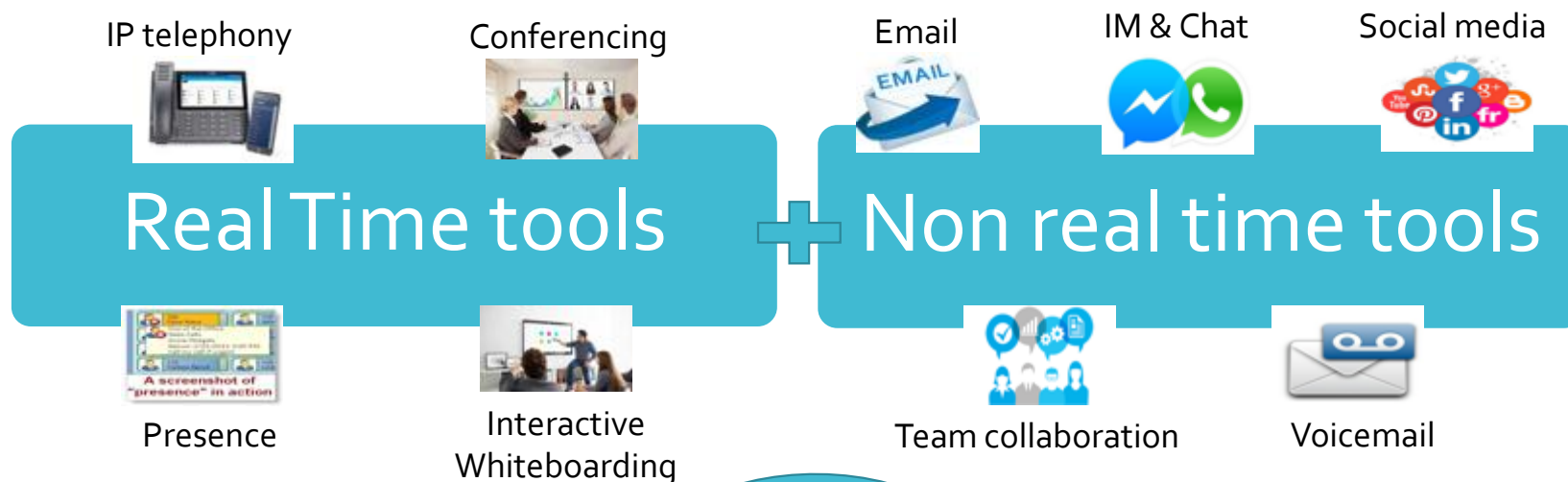
Presented By -  
Nishant Shrivastava  
Head – Unified Communications & Collaboration  
Solutions Engineering  
Tata Communications India



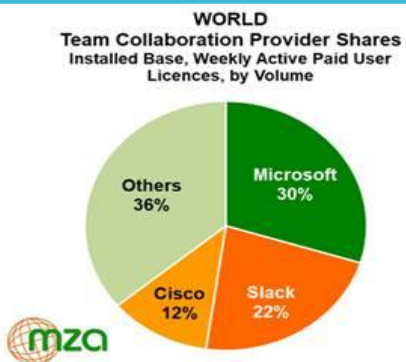
# What is Unified communications ?



Unified communications (UC) is a framework for integrating various non –real time and real time communication tools, with the goal of enhancing business communication, collaboration and productivity.



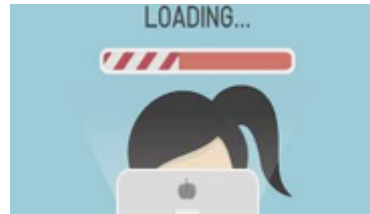
Hurray !!!  
We have UC



# Why embrace Unified Communications



It offers the potential to dramatically improve the way individuals groups and businesses interact with each other.



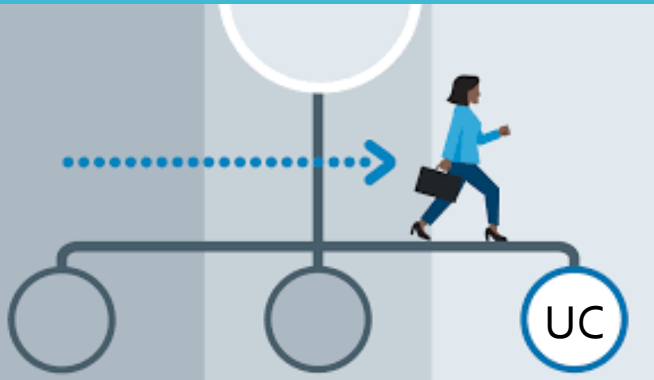
Response times are significantly reduced, and the coordination of dispersed teams is facilitated



Real-time information delivery speeds up sales cycles and inform decision-making



Remote work strategies made possible , empowering work from home , improve ESAT , reduce operational costs



# UC helps reducing costs and drives ROI

- **Hard Savings**
  - Lower Monthly Bills
  - Lower IT Infrastructure Costs
  - Tool Consolidation
  - Less Business Travel
- **Soft Savings**
  - Financial Benefits of OpEx
  - Better Communication and Collaboration
  - Mobility

$$\text{ROI} = f( \text{business benefits}, \text{time to value}, \text{TCO} )$$

- Higher **business benefits** drive a higher ROI
- A faster **time to value** drives a higher ROI
- A lower **TCO** drives a higher ROI



# UC strategy drivers



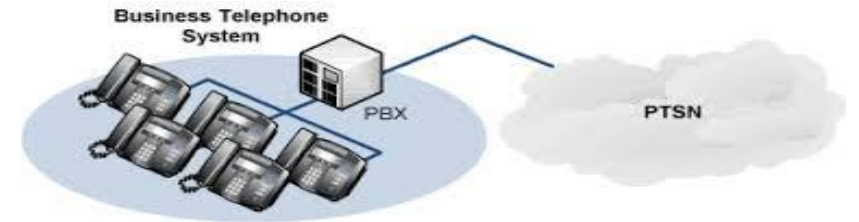
- EOL/EOS Legacy voice equipment.



- Increase in mobility



- Availability of Cloud deployments



- Shift to non real time communication



- Use of open communication protocols such as SIP



# UC deployment strategies

“A UC solution is destined to fail if it doesn't overcome a business challenge”



Basics : Before purchasing and implementing the solution – Understand the business problem which has to be solved and how UC can help.



Ex- Team collaboration platforms, has changed the way in which people interact and exchange information securely in real time based in any time zones of the world

DO NOT buy and implement technology for technology's sake.

## Success of UC

1. Real business value realized
2. A clear goal of what the enterprise is trying to achieve

Remember : UC is always transformational

# UC Deployment

“There is no single or right way to implement UC.”

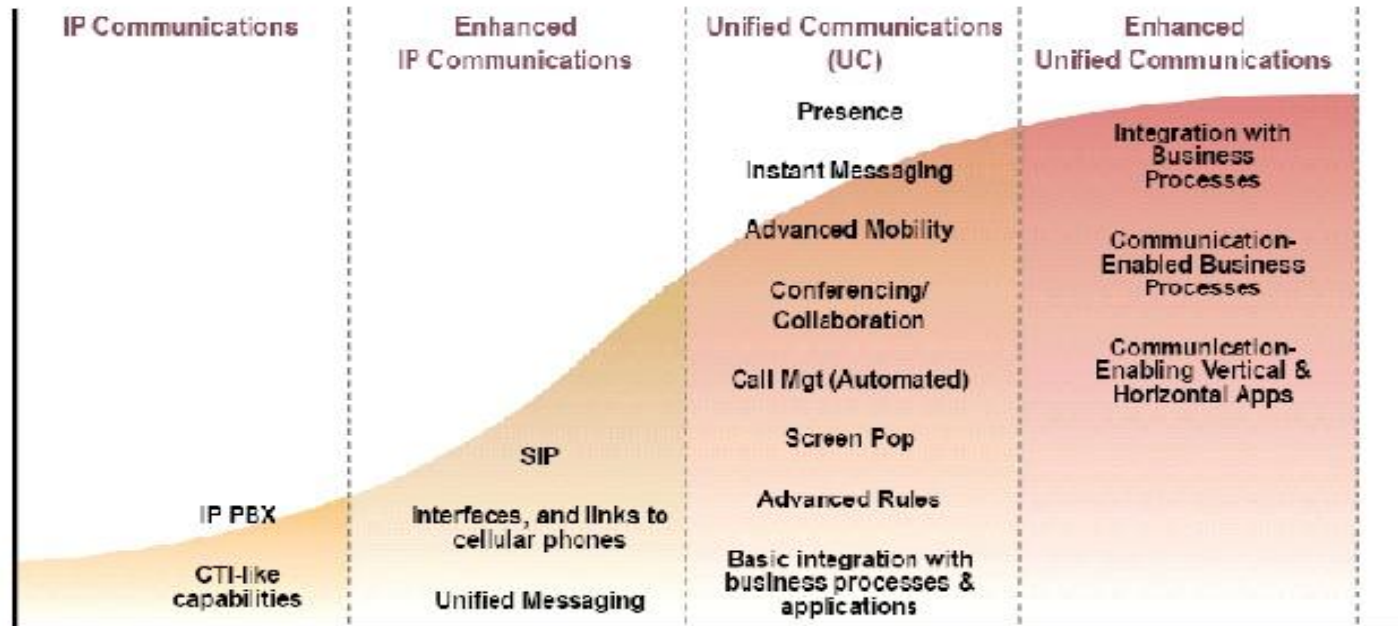
## Telephony Model



There are various paths toward a UC solution; they depend upon the company's infrastructure, philosophy and goals

With the Telephony Model, companies start with their existing switch infrastructure or PBX, generally an IP PBX. As companies move along the continuum to enhanced IP, they add functionality, such as SIP, UM and integration with mobile devices

## UC Continuum Telephony Model



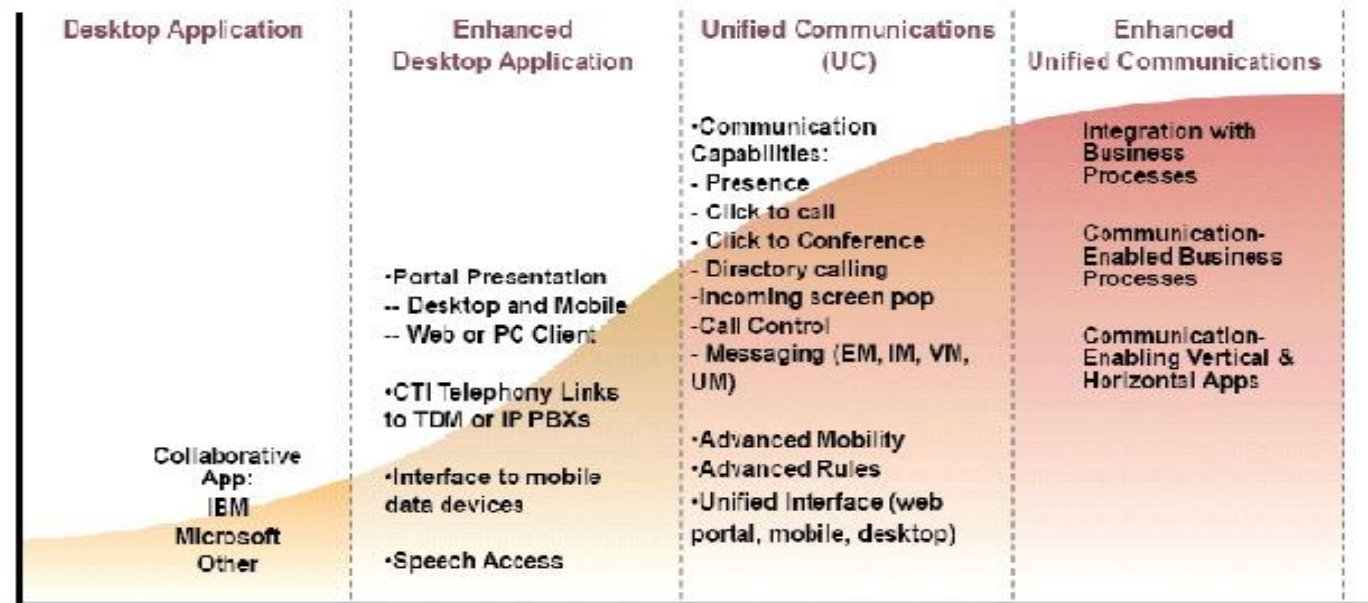
# UC Deployment

## Desktop Application Model



With the Desktop Application model, companies start deploying IM/Presence services and then move upwards to provide collaboration applications

## UC Continuum Desktop Application Model

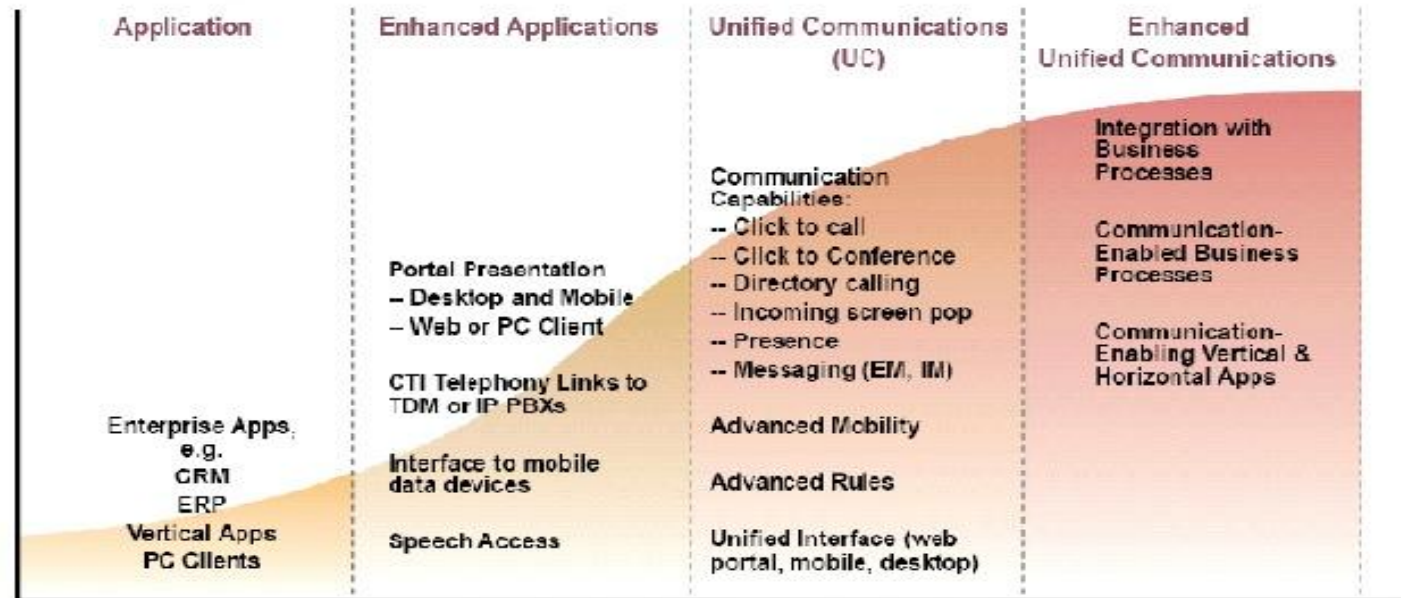




# UC Deployment Enterprise Business Application Model

With the Enterprise Application model, companies deploy CRM, ERP applications services and then integrate UC apps with them to provide unified experience to the users

## UC Continuum Enterprise Application Model



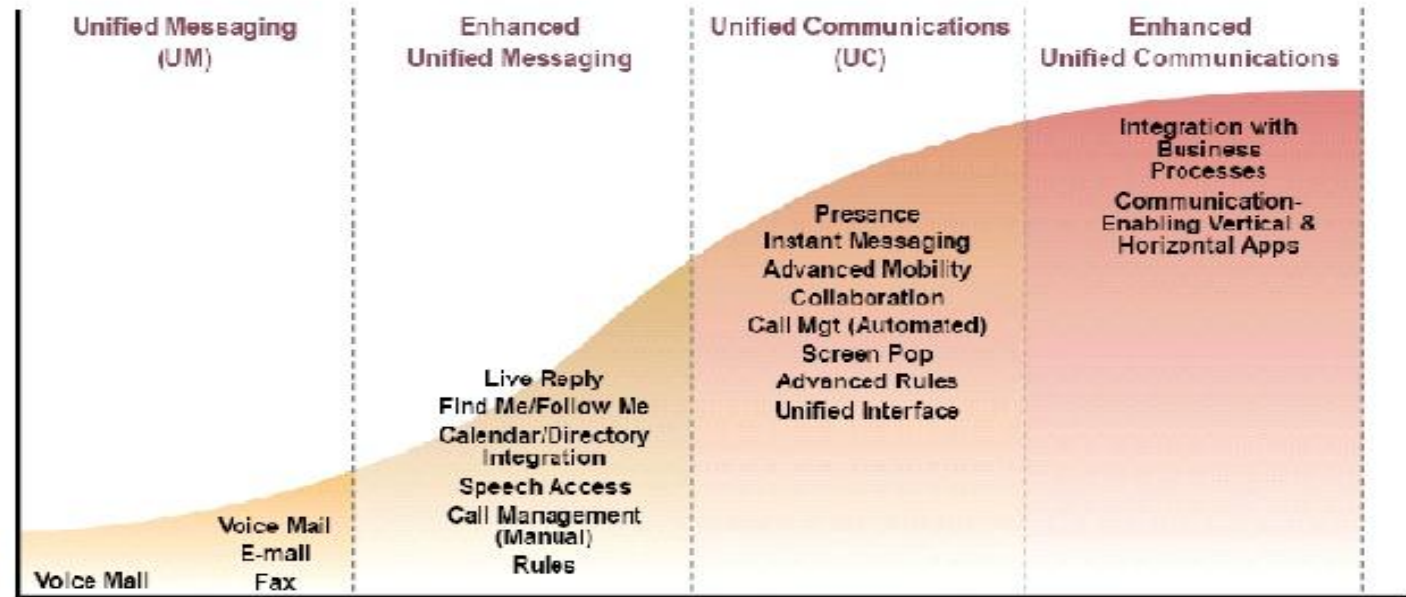
# UC Deployment

## Messaging Model



Messaging model starts with voice mail, going advanced by integrating e-mail & FAX and finally with other business applications services.

### UC Continuum Messaging Model



# Choosing the right UC Solution

“After adopting a switch to UC, choosing the right platform is a crucial decision for organizations that want to be agile and flexible.”

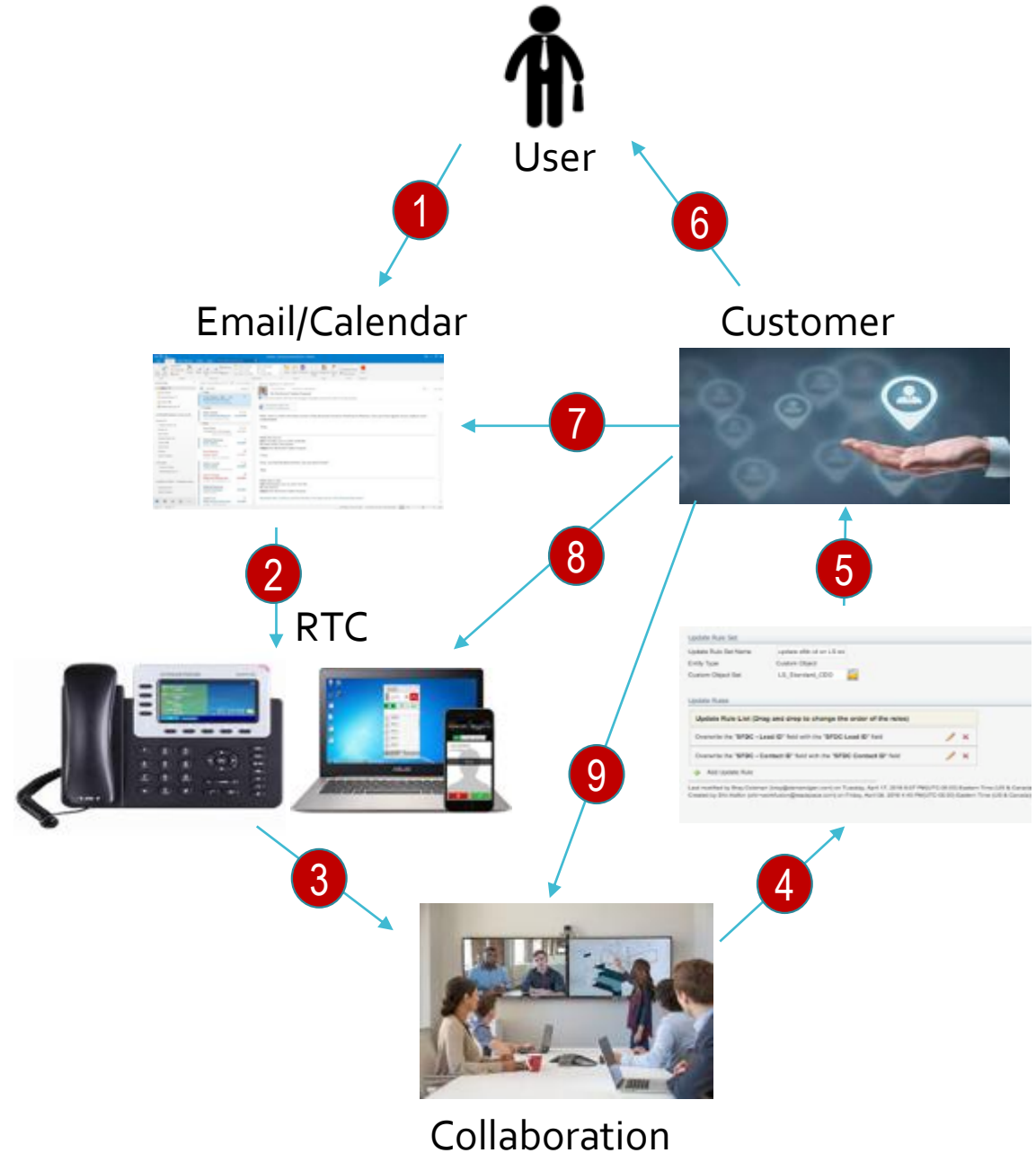


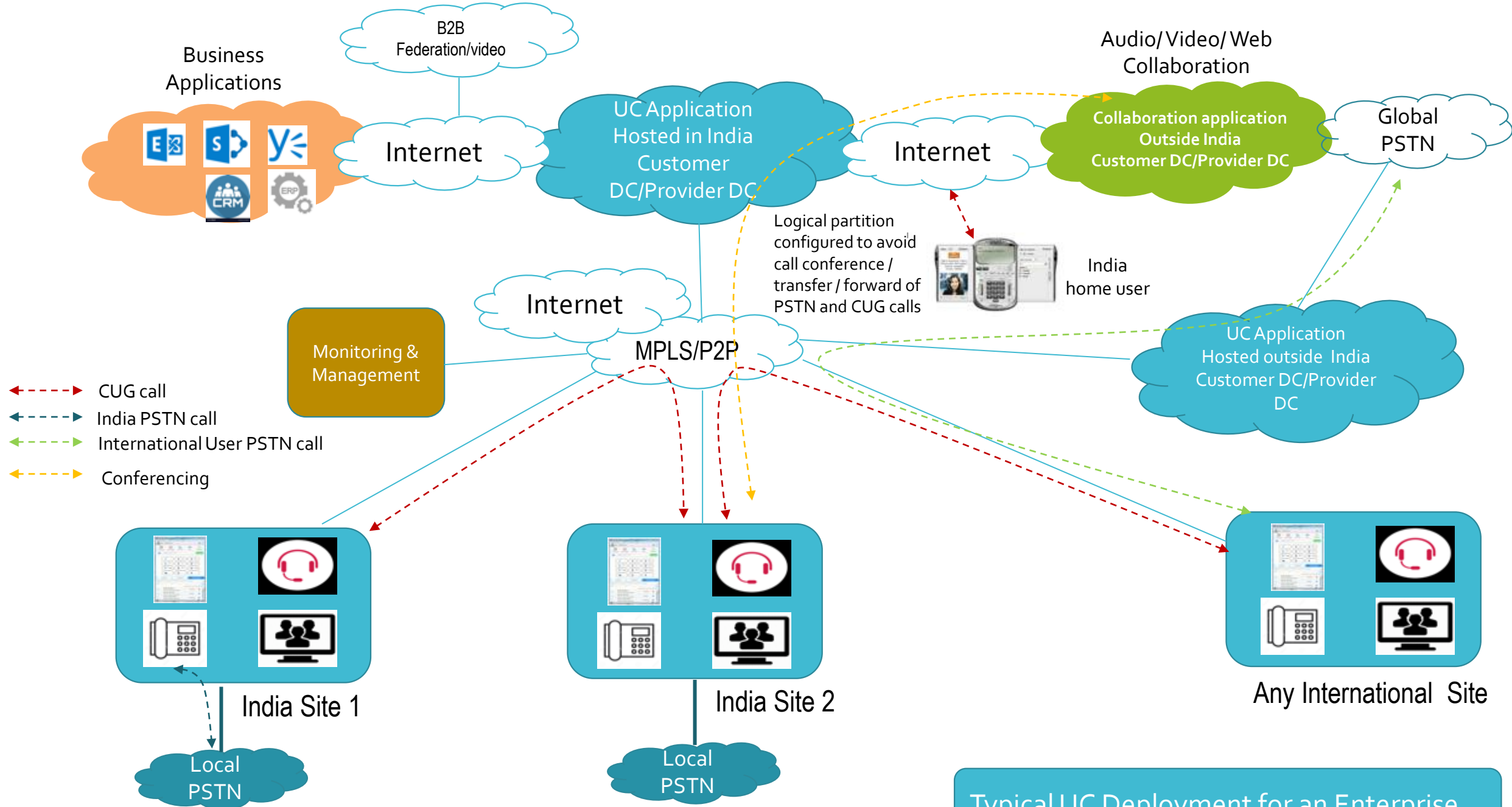
- **Nature and quality of network architecture**
  - *Support existing network & enterprise applications*
  - *Single platform without needing major network change*
- **Security**
  - *Quality of security*
  - *Encryption & regulatory compliance*
- **Scalable and flexible deployment options**
  - *Deployment on Cloud*
  - *Subscription and opex models*
  - *Staggered deployment approach*
- **Vendor choice**
  - *Industry leadership, technical expertise*
  - *Service assurance, SLAs*
  - *Reporting, Training and Adoption , Agility*



# UC Success

The integrated User & Customer experience





Typical UC Deployment for an Enterprise

# India vs International deployment

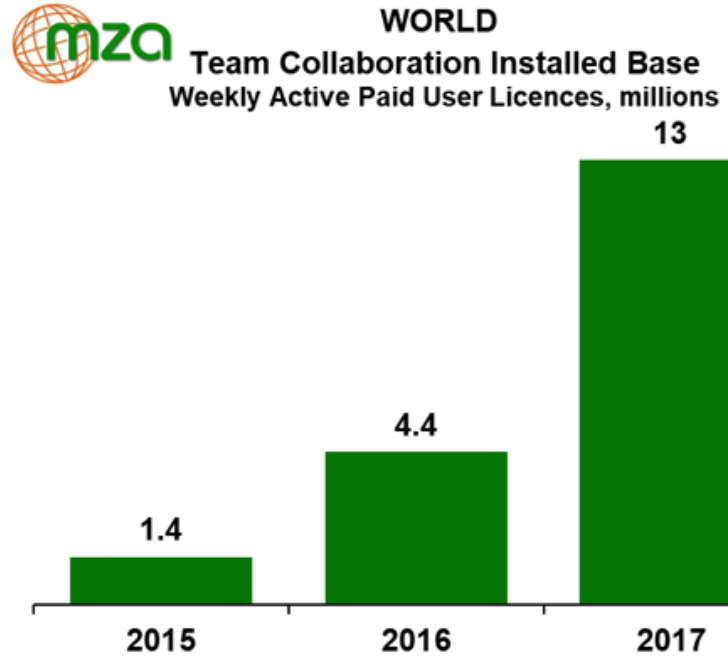


India	International – Relaxed
Call control in India	Call control anywhere (exceptions like GDPR exist)
Local PSTN breakout – site/SDCA wise	Central PSTN aggregation
Logical partitioning	Allowed CUG and PSTN mix
B2B federation allowed over Internet	B2B federation allowed
CUG within India and International	CUG with India and any International

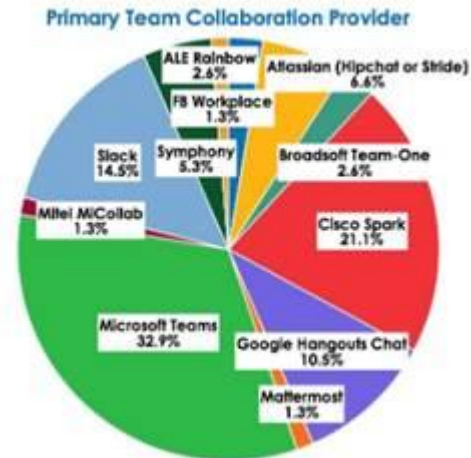
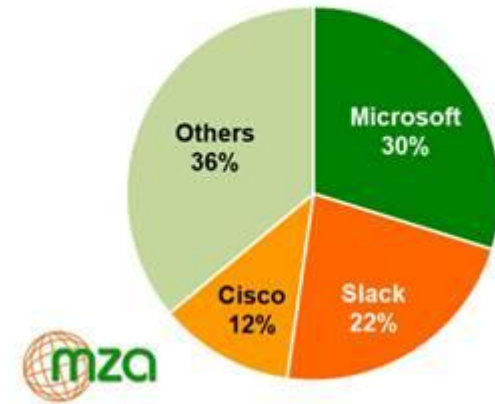
\*Middle East is more restricted as compared to India.

# Trending UC workload

**TRENDING NOW!**



**WORLD**  
Team Collaboration Provider Shares  
Installed Base, Weekly Active Paid User  
Licences, by Volume



Nemertes



Q & A