



Unified Communications Solutions for Contact Centers

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Agenda

Contact Center Challenges

Cisco Unified Contact Center Overview

Roadmap

Summary

Q&A



Contact Center Business Challenges

Operational Efficiency

Increased web & voice self-service and resolution time

Virtualized operations

Integrating CRM strategy

Multichannel integration

Migration to advanced speech applications

Employee Effectiveness

Increased resource utilization

Reduced agent attrition/Increased employee satisfaction

Aligning agents around customer segmentation

Automation through real-time analytics

Contact Center Business Challenges

Revenue Growth

Reduced cost for communications infrastructure

Capture lost revenue opportunities (cross-sell/up-sell)

Increased share of customer spend

Customer Satisfaction

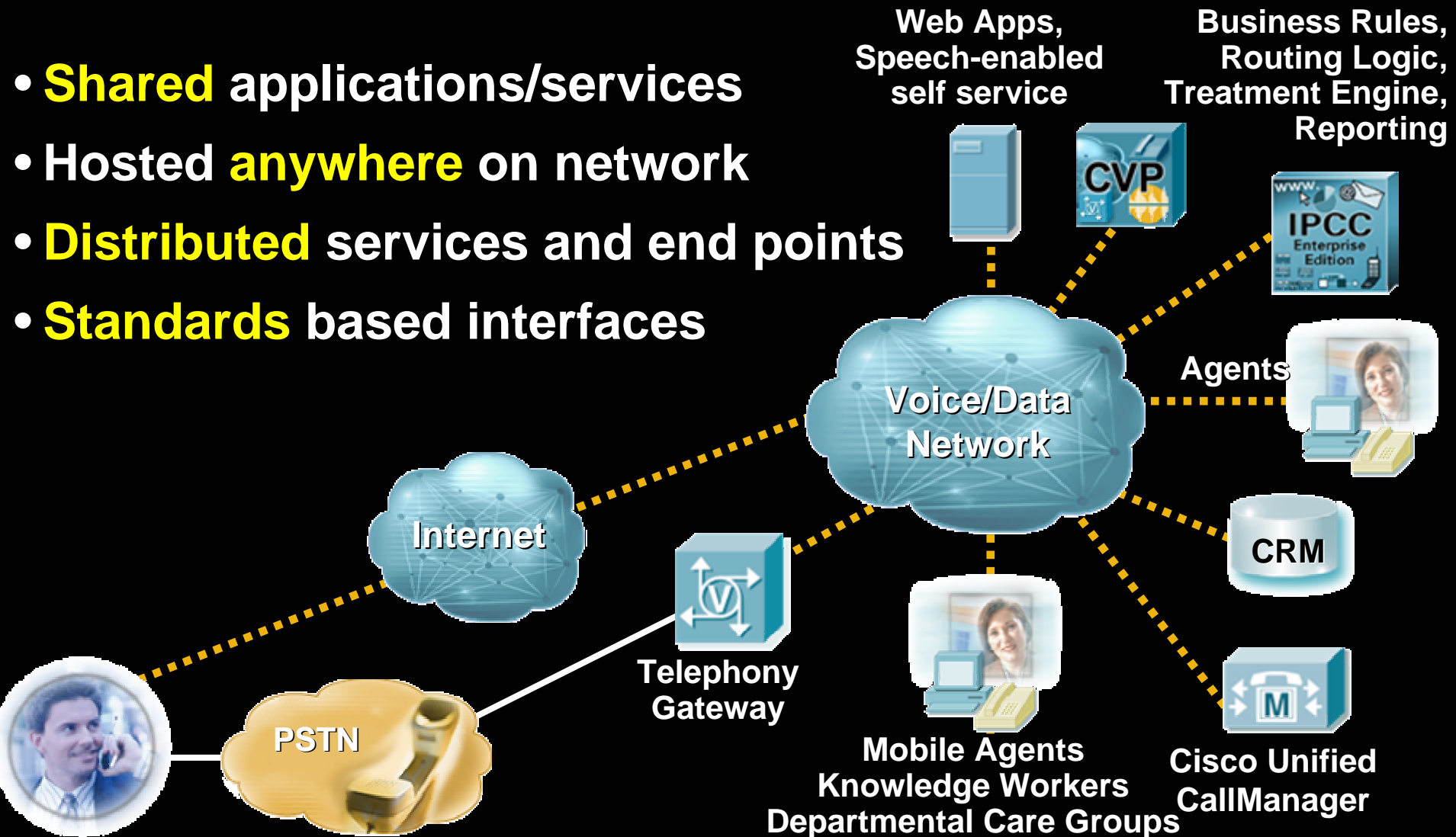
Improve customer satisfaction and reduce cost

Consistent personalized service

Increased customer loyalty

Cisco Unified Customer Contact Center

- **Shared** applications/services
- Hosted **anywhere** on network
- **Distributed** services and end points
- **Standards** based interfaces

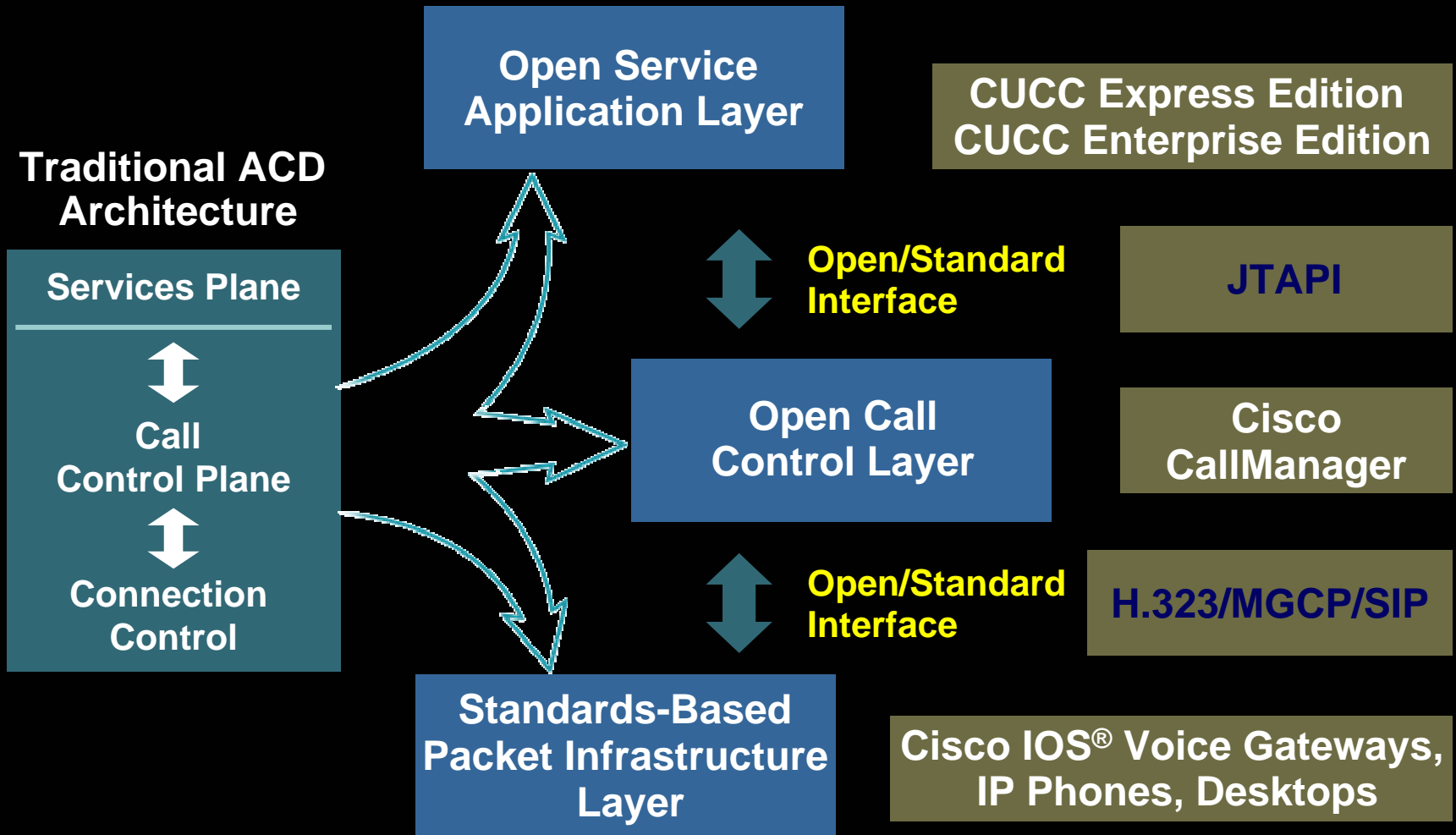




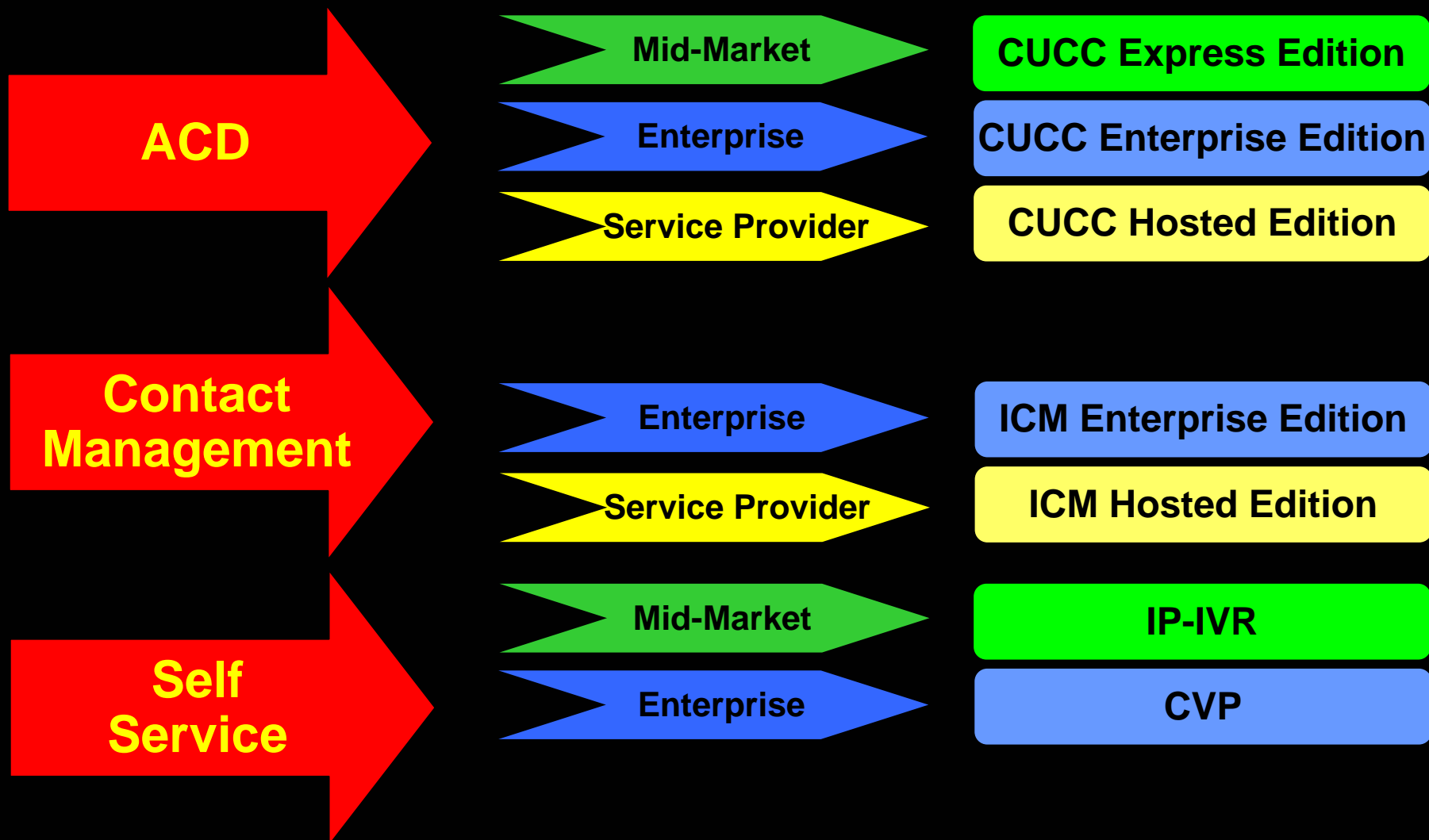
Cisco Unified Contact Center Overview



Cisco Unified Contact Center (CUCC) Architecture



Cisco Unified Contact Center Solutions: Cisco Product Portfolio



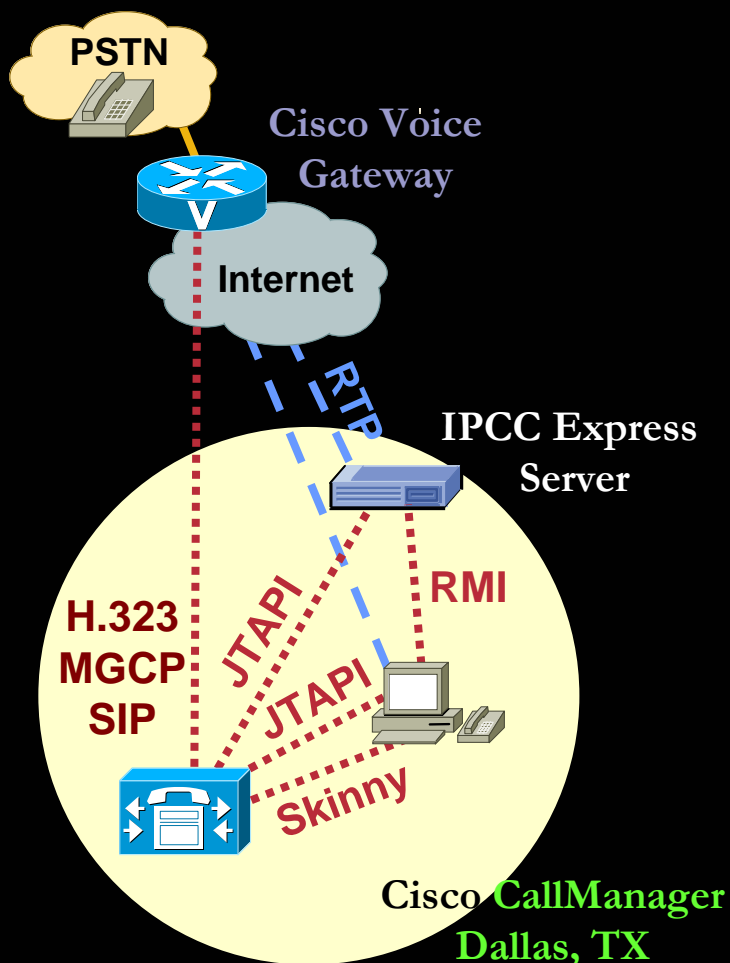
Cisco Unified Contact Center Solutions: Cisco ACD Product Portfolio



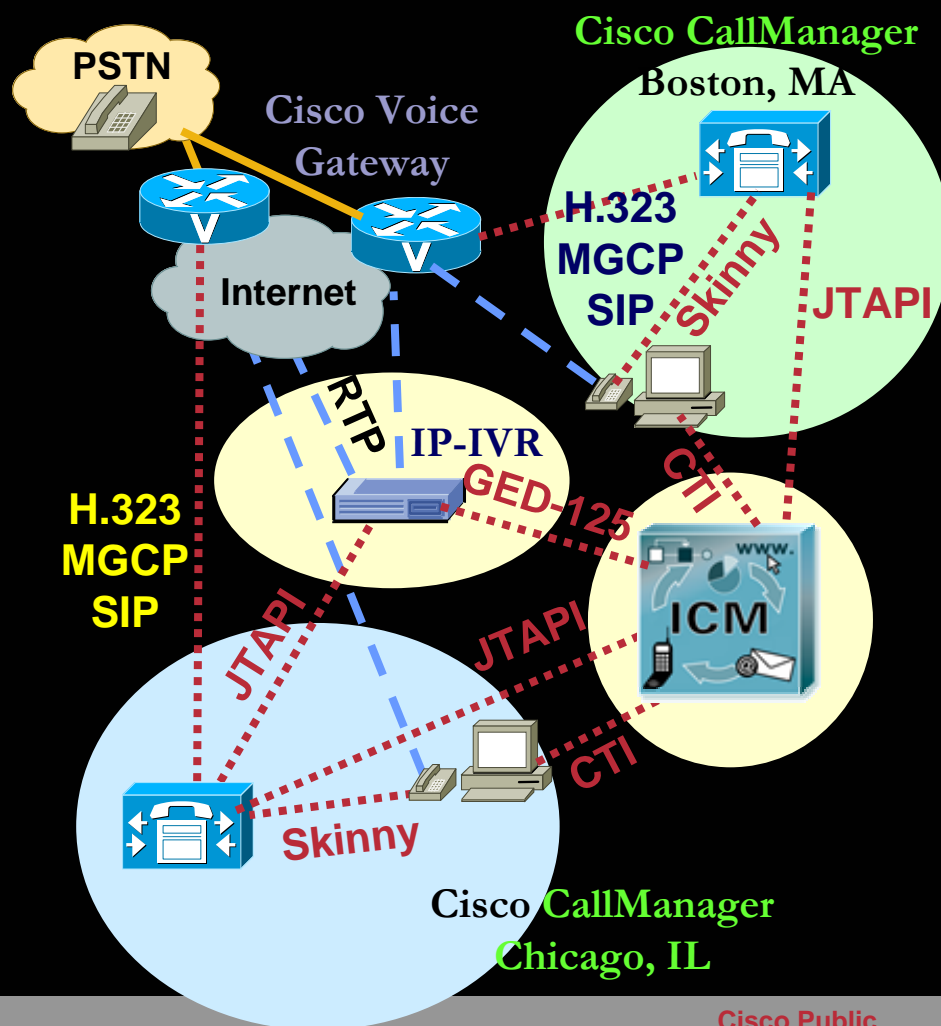
	CUCC Express	CUCC Enterprise
Supported Deployment Models	Single Site Multi-Site Centralized Cluster over the WAN	Single Site Multi-Site Centralized Cluster of the WAN Multi-Site Distributed
Agent CTI Desktop Options	Cisco Agent Desktop	Cisco Agent Desktop CTI Toolkit / CTI-OS CRM Integrated
Supported Agents	Up to 300 Agents (4.0) (Nodal)	6,000+ Agents (Multiple Clusters)
Queue Options	IP-IVR (Integrated)	IP-IVR or CVP
Channels	Voice Only	Voice, Web, E-Mail, & Outbound

Cisco Unified Contact Center Solutions: Cisco ACD Product Portfolio

CUCC Express Centralized Deployment



CUCC Enterprise Multi-Site Distributed Deployment





ICM Enterprise



Cisco Unified Contact Center Solutions: ICM Enterprise

Cisco's Intelligent Contact Management (ICM) solution provides multi-channel, multi-vendor, multi-carrier virtual contact center routing, reporting and CTI.



ICM is the core routing product of the Enterprise products for Cisco, originally acquired from *GeoTel Communications* in 1999, it is the standard enterprise contact routing:

- Used by **hundreds of the largest contact centers** around the world in every industry



Cisco Unified Contact Center Solutions: ICM Enterprise

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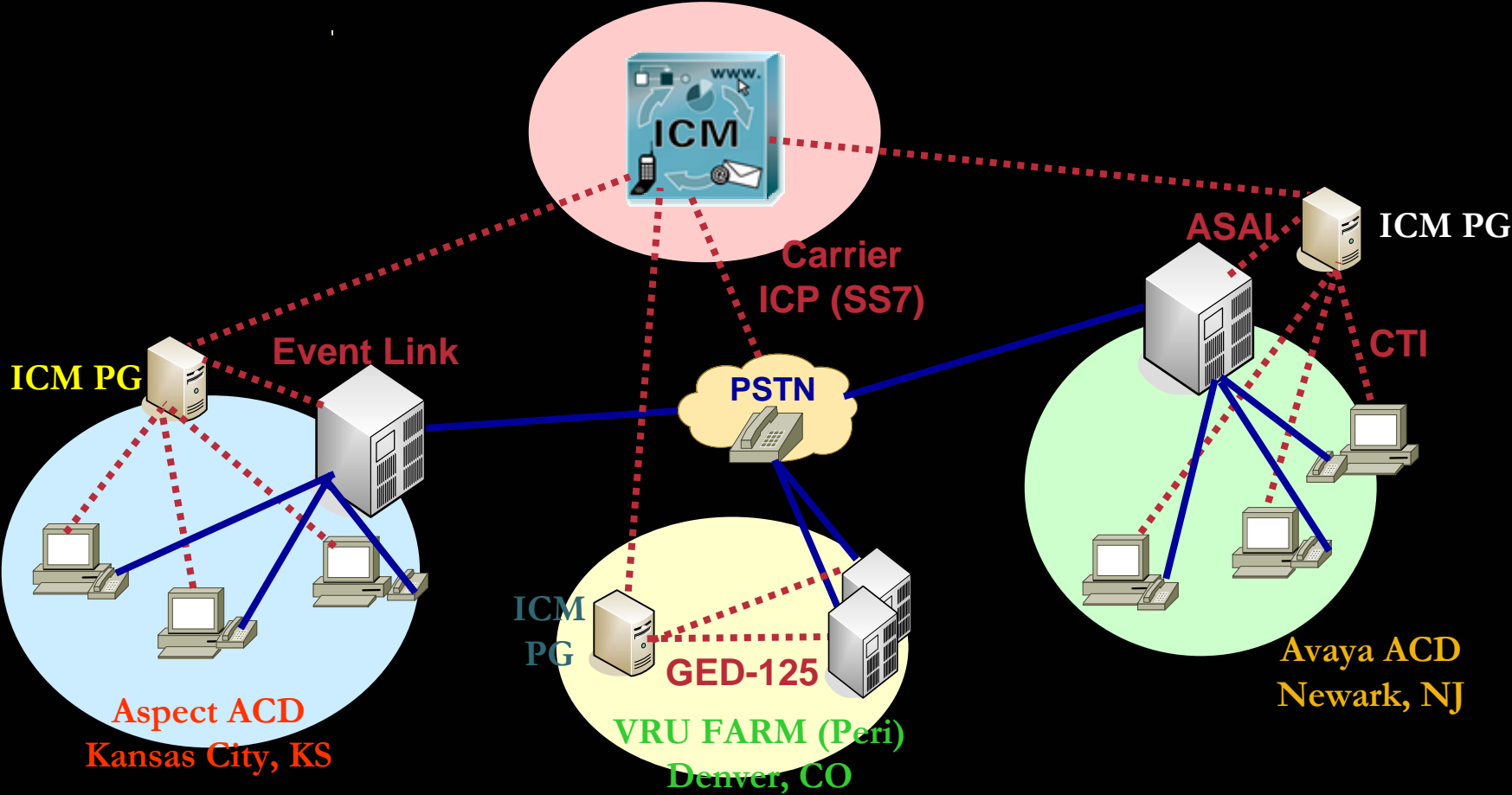
 - ICM Hosted Edition runs the carrier toll-free and advanced services networks around the world

 - Patented contact routing technology with integration to major carrier networks for Pre-Routing and multi-vendor ACD/IVRs for Post-Routing as a complete Intelligent Contact Management solution

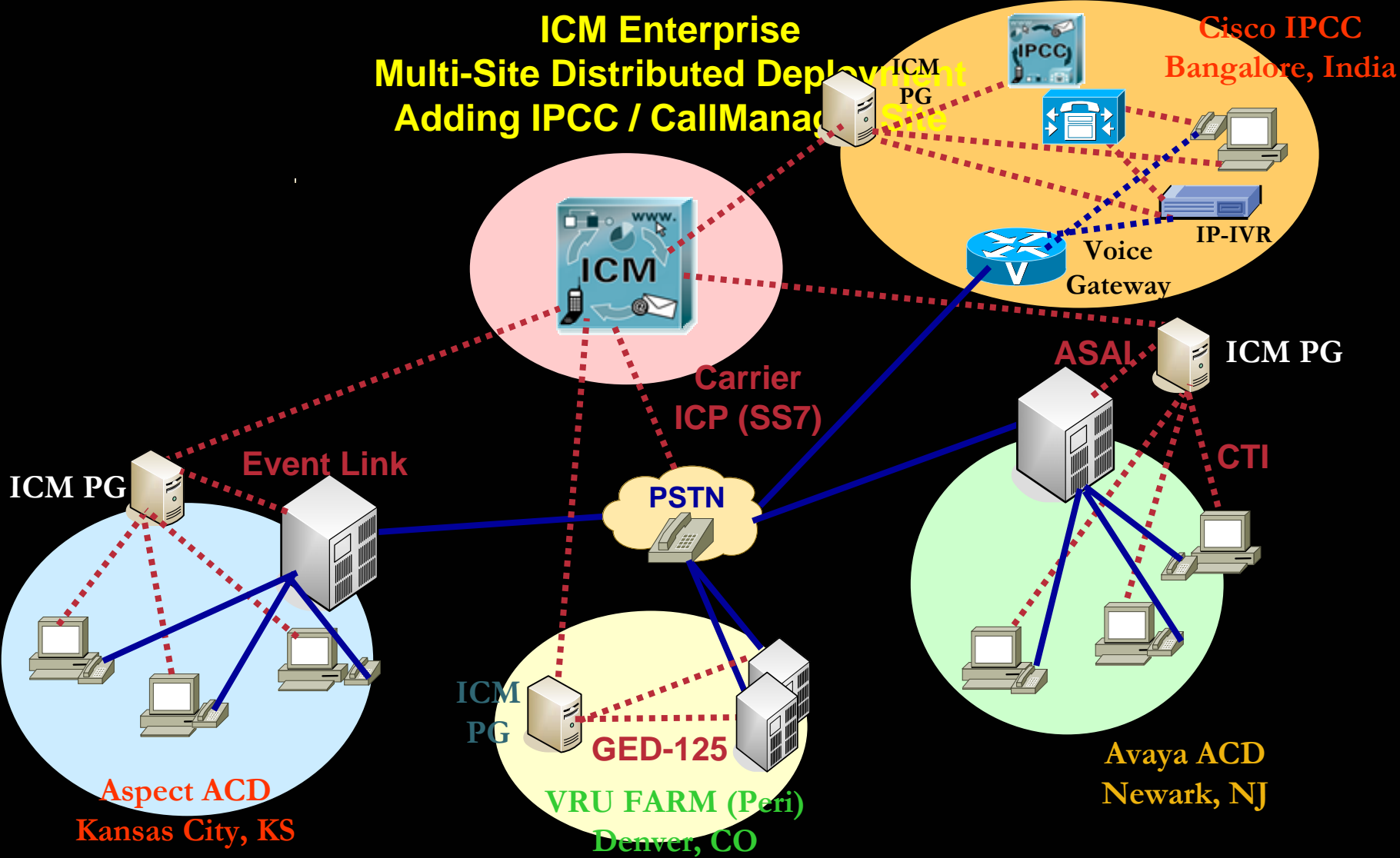


Cisco Unified Contact Center Solutions: ICM Enterprise

ICM Enterprise Multi-Site Distributed Deployment Pre-Routing with Carrier ICP Service



Cisco Unified Contact Center Solutions: ICM Enterprise





Self Service Platforms



Cisco Unified Contact Center Solutions: Self-Service Platforms

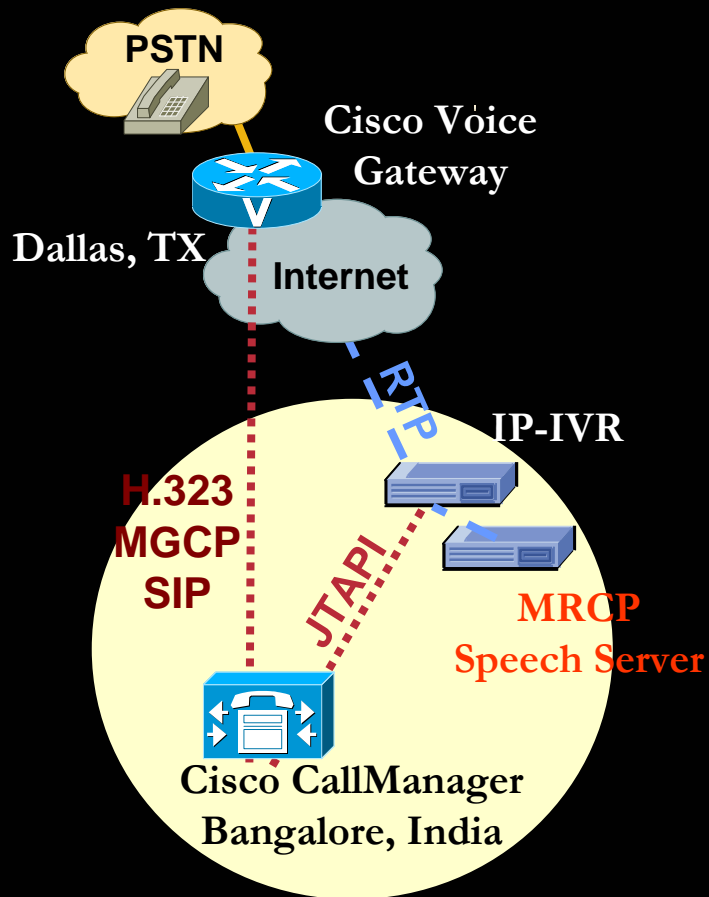


	IP-IVR	Customer Voice Portal
Supported Deployment Models/ Call Control	Single Site “Behind CallManager” Uses CallManager JTAPI Call Control	Single Site Multi-Site Distributed “In Front of IP/TDM” Uses H.323 Dial Plan
Supported Ports/ “Sessions”	Up to 300 Ports/ Sessions	IOS-Gateway VXML Voice Browser Sessions Thousands of Sessions
ASR/TTS Options	MRCP Interface Nuance/IBM WS/Etc.	MRCP Interface Nuance/IBM WS/Etc.
Developer Options	CRS Editor / Ext VXML	ICM Script Editor / CVP Studio (VXML)

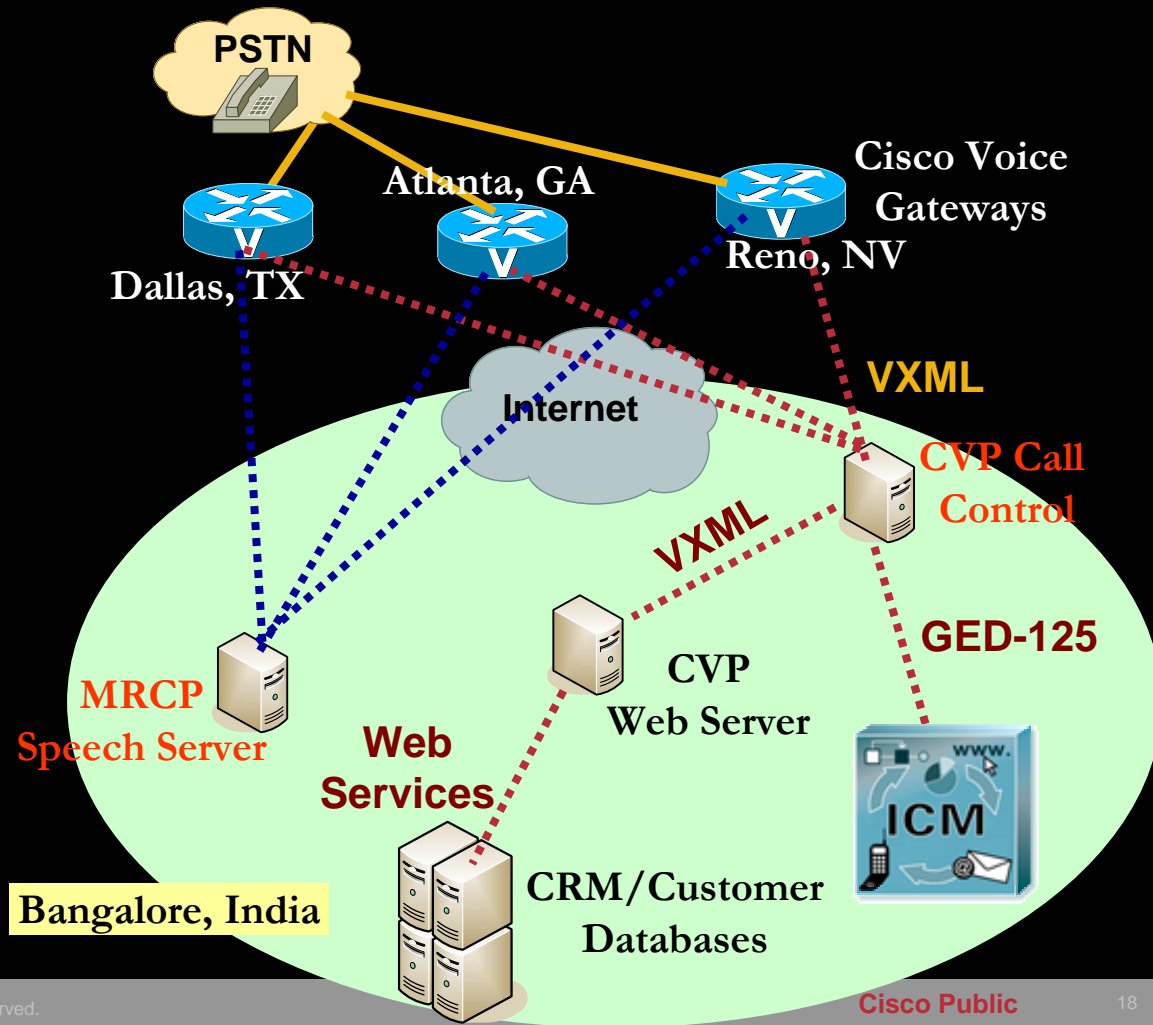
Cisco Unified Contact Center Solutions: Self-Service Platforms

IP-IVR

Centralized Deployment



Customer Voice Portal Multi-Site Distributed Deployment



Why CVP?

The IVR Problem

- **Bound by legacy PBX/ACD, the TDM IVR is limited by proprietary technology**
 - TDM IVR tends to be “site-dependent” using “IVR farms”**
 - Little or no “edge” design capability**
 - No centralized call control**
- **TDM IVR relies on the voice carrier’s ability to “take back” a call and terminate it at another site**
 - Expensive per - call charges apply**
 - TDM IVR loses call control to PBX/ACD**
 - Call may lose continuity for call reporting**
- **TDM IVR**
 - Limited scalability**
 - Limited or no support for TDM/IP network convergence**



How does CVP help?

The CVP Solution

- Designed around open architectures (Web-based, VXML) and converged IP infrastructure
- Allows IP switching across the Enterprise - move calls using *your* IP network, toll bypass avoids expensive voice carrier charges
- CVP provides centralized call control, reporting
- Allows VXML integration as well as MRCP for ASR/TTS
- Scalable architecture grows to meet business needs



CVP Basic Features

IP-based Self Service

- Self Service IVR in the “Cloud”
- VoiceXML Based
- J2EE based, promotes Re-use.

IP-based Network Switching

IP-based “Take Back and Transfer”

- Transfer
- IVR Treatment

IP-based Queuing

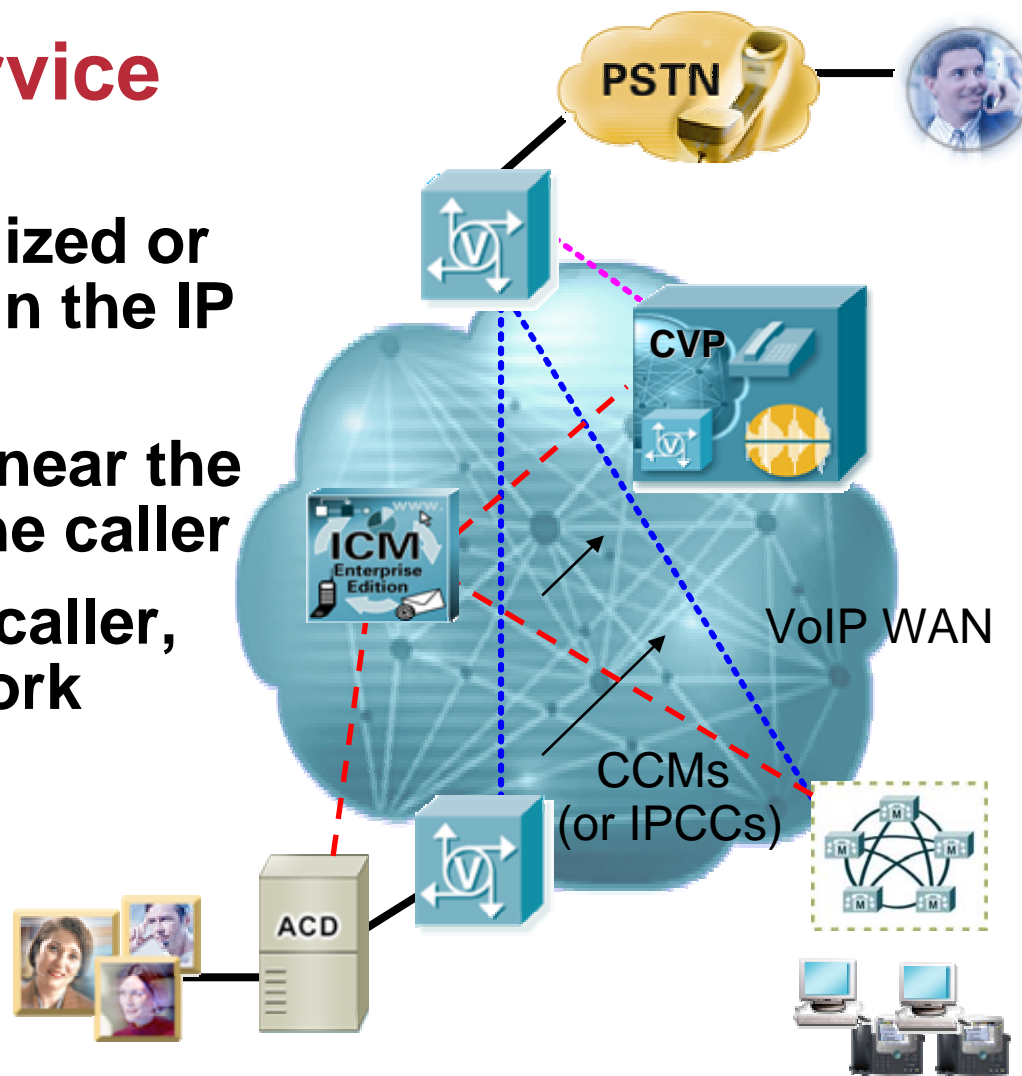
- Queue and provide MOH callers while waiting for agent



CVP Basic Features

IP-based Self Service

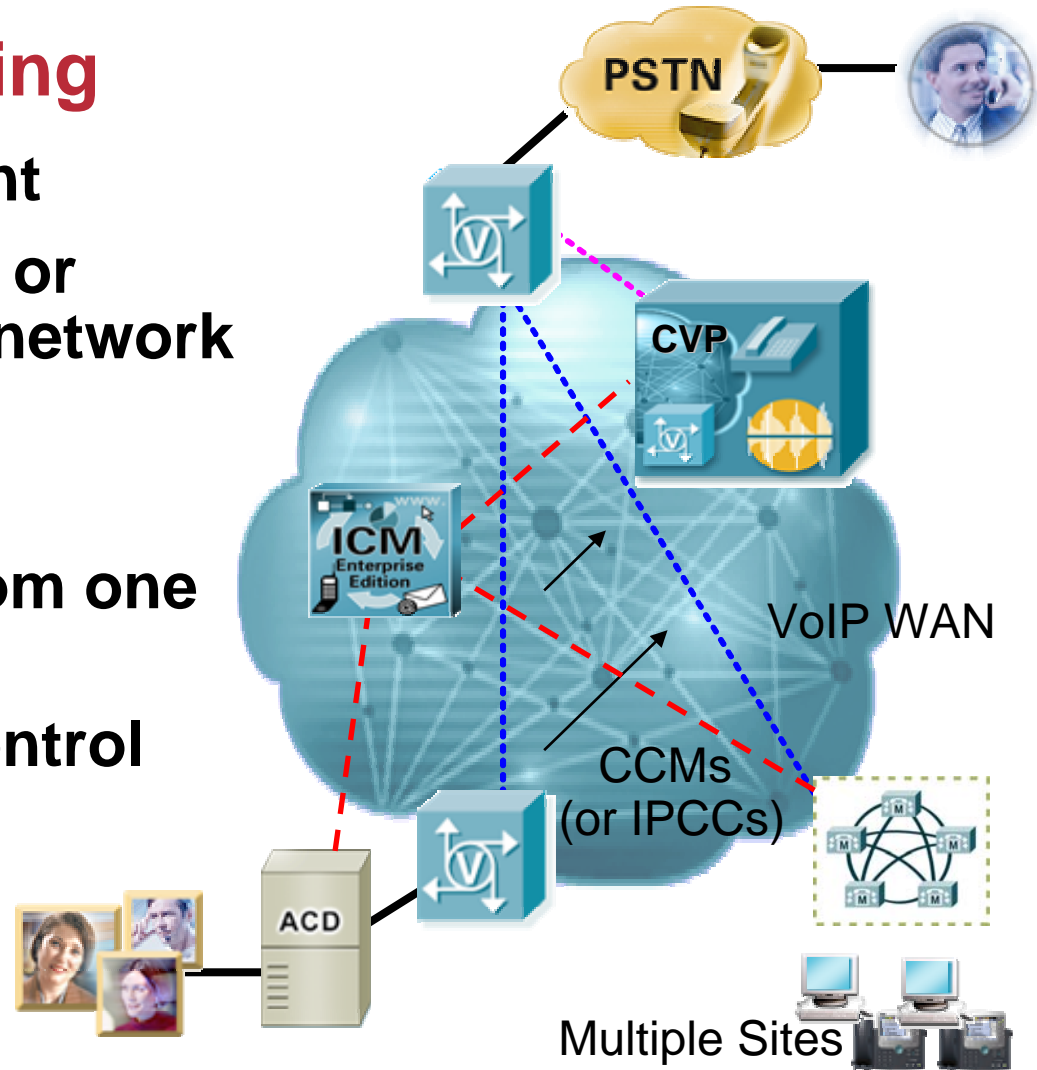
- CVP provides Centralized or Branch IVR services in the IP network cloud
- CVP front-ends calls near the network edge, near the caller
- IVR audio is close to caller, avoids using IP network bandwidth



CVP Basic Features

IP Network Switching

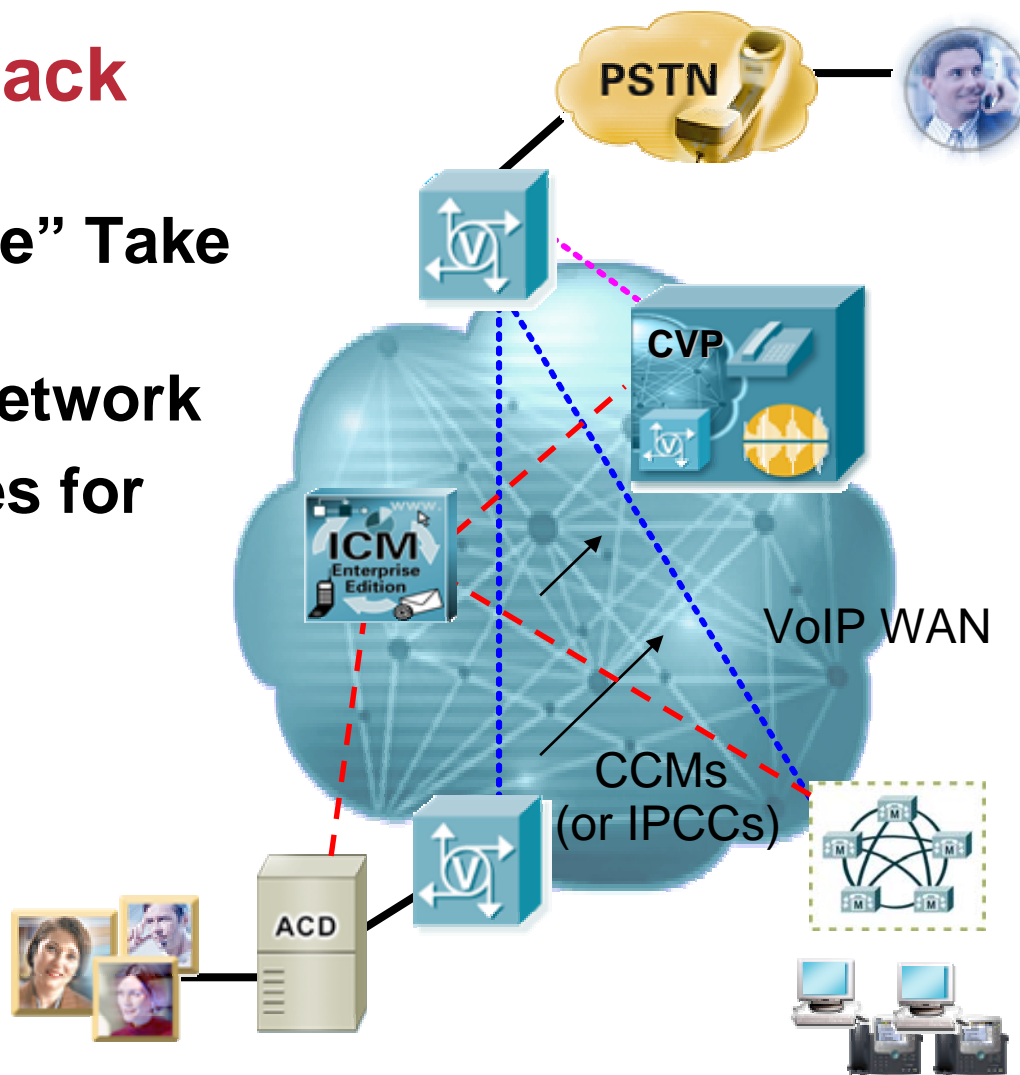
- Provides IVR treatment
- Transfers call to local or remote agent over IP network
- Agent switch can be IPCC or legacy TDM
- CVP can move call from one site to another
- CVP maintains call control



CVP Basic Features

IP Network Take Back

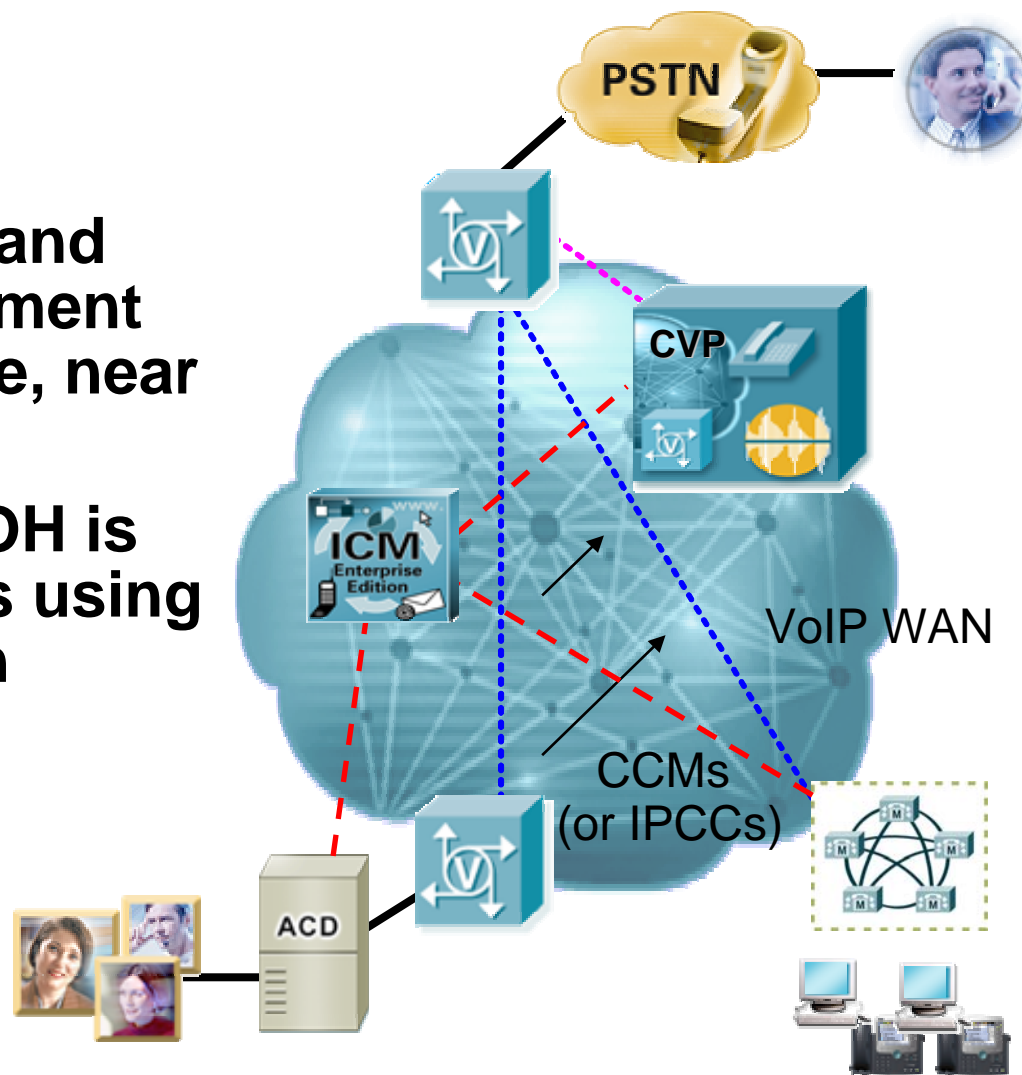
- Provides “carrier-style” Take Back and Transfer
- Uses customer’s IP network
- Avoids carrier charges for transfer services



CVP Basic Features

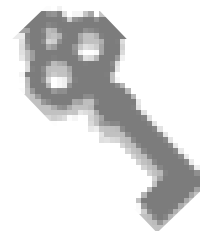
IP Call Queuing

- **CVP front-ends calls and provides Queue treatment near the network edge, near the caller**
- **IVR audio such as MOH is close to caller, avoids using IP network bandwidth**



CVP Key Features

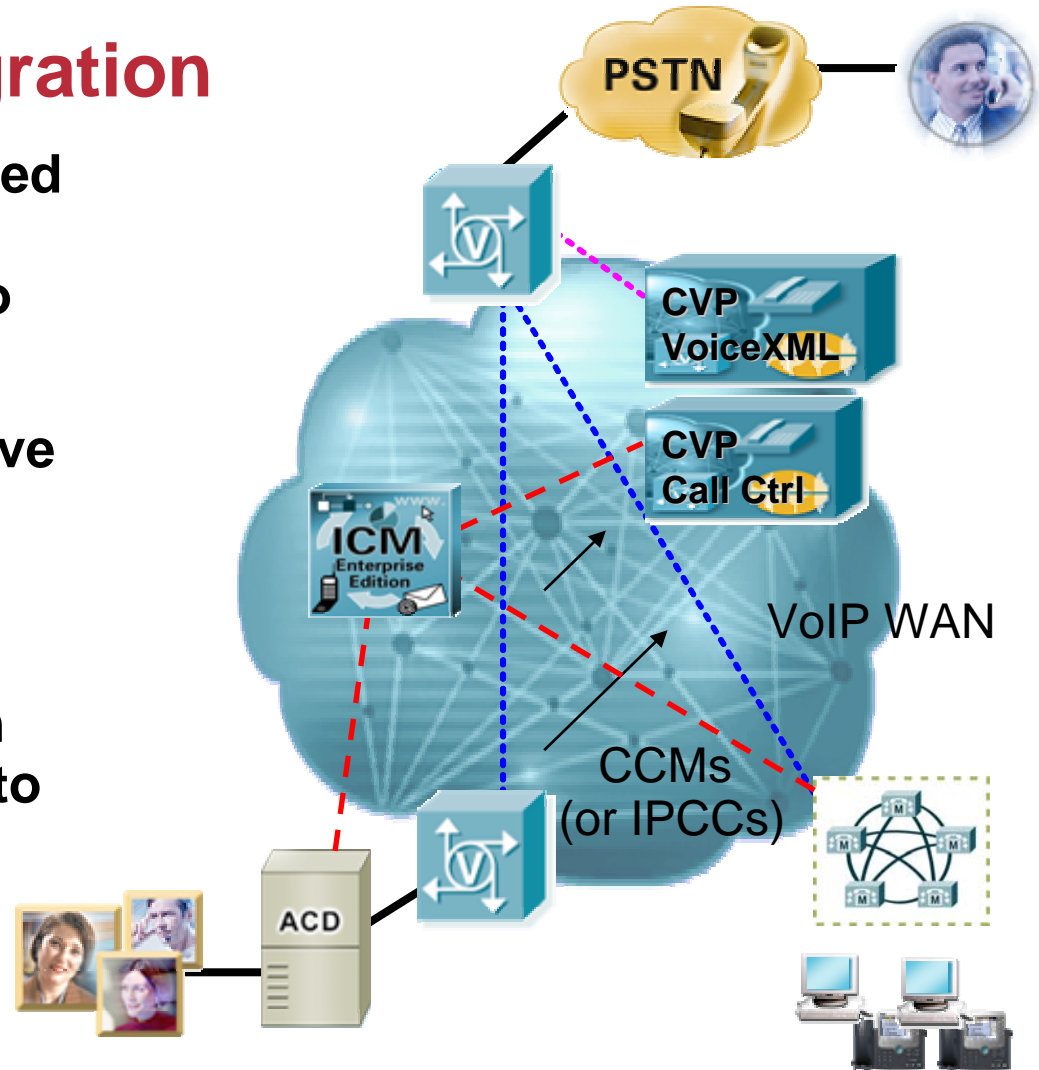
- **Supports both IP AND TDM networks**
- **Ease of Scalability**
- **H.323v2 interface to Cisco IOS Voice Gateways and Cisco CallManager**
- **Web-based prompt/collect, queuing at the network edge, call control**
- **VXML 2.0 interface to IOS Voice Gateway**
- **Fault tolerance and load balancing (content switching)**



CVP Key Features

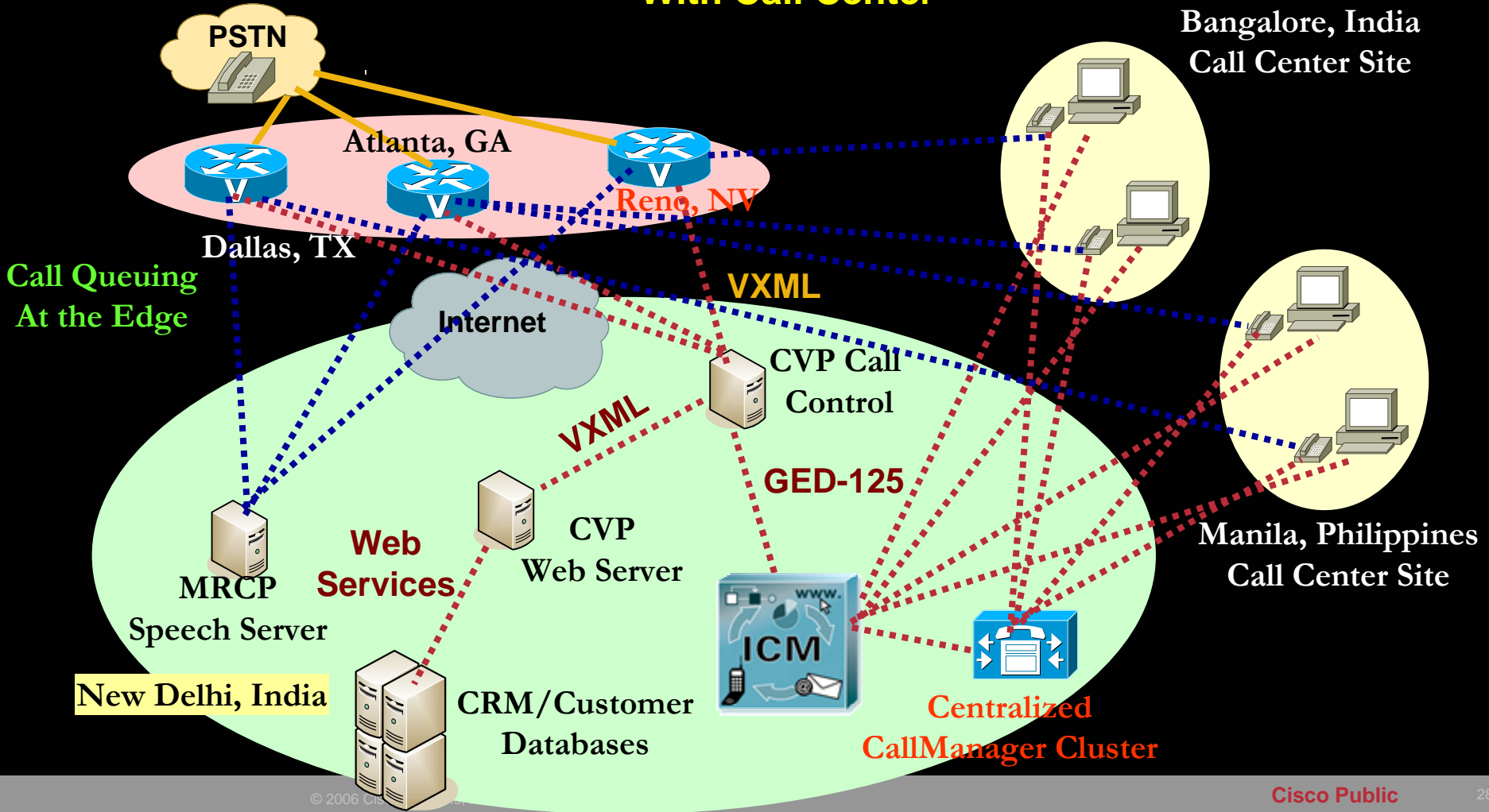
TDM/IP Hybrid Integration

- CVP supports customer need to simultaneously support legacy TDM ACD and Cisco IPCC
- CVP is ideally suited to serve as a “queue point” for any ACD supported by ICM
- CVP facilitates phased migration approaches from legacy TDM environments to IP Voice



Cisco Unified Contact Center Solutions: Self-Service Platforms

Customer Voice Portal Multi-Site Distributed Deployment With Call Center



Cisco Unified Contact Center Enterprise Roadmap

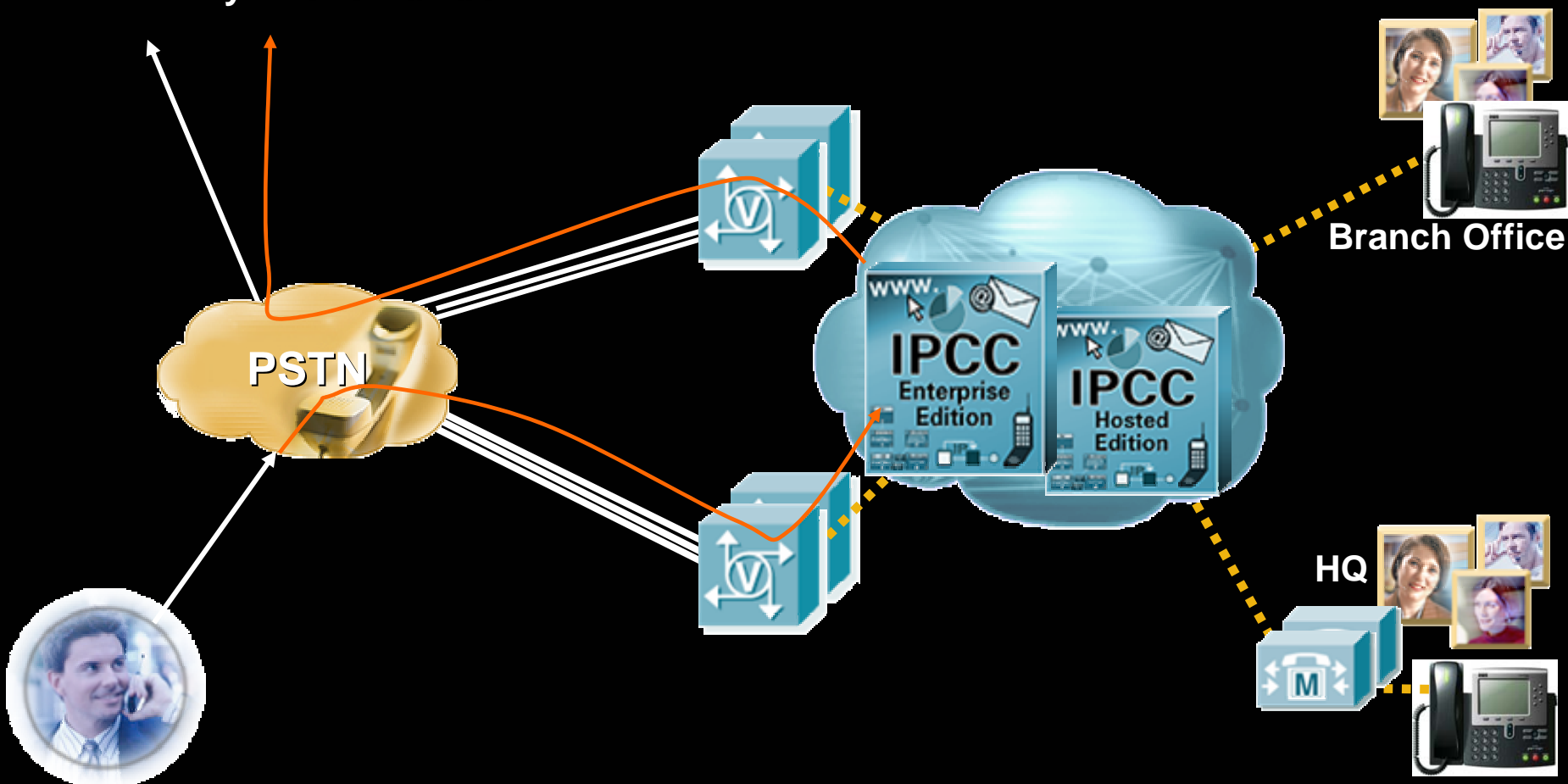
- **Remote Mobile Agent**
- **Central Provisioning & Partitioning**
- **SIP**
- **Cisco Unified Customer Interaction Analyzer**
- **Cisco Unified Video Contact Center**



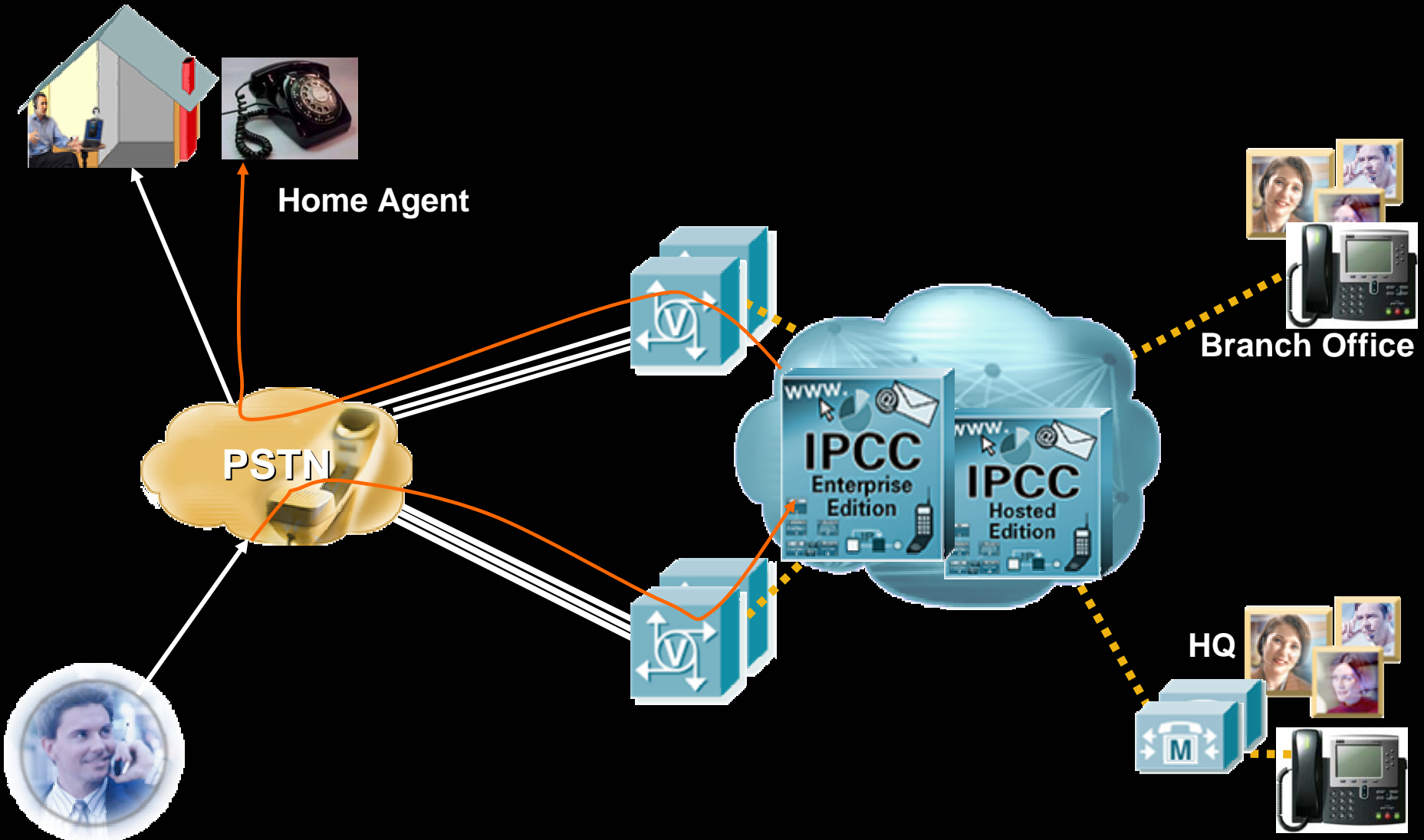
Mobile Agent

Any networked connected computer

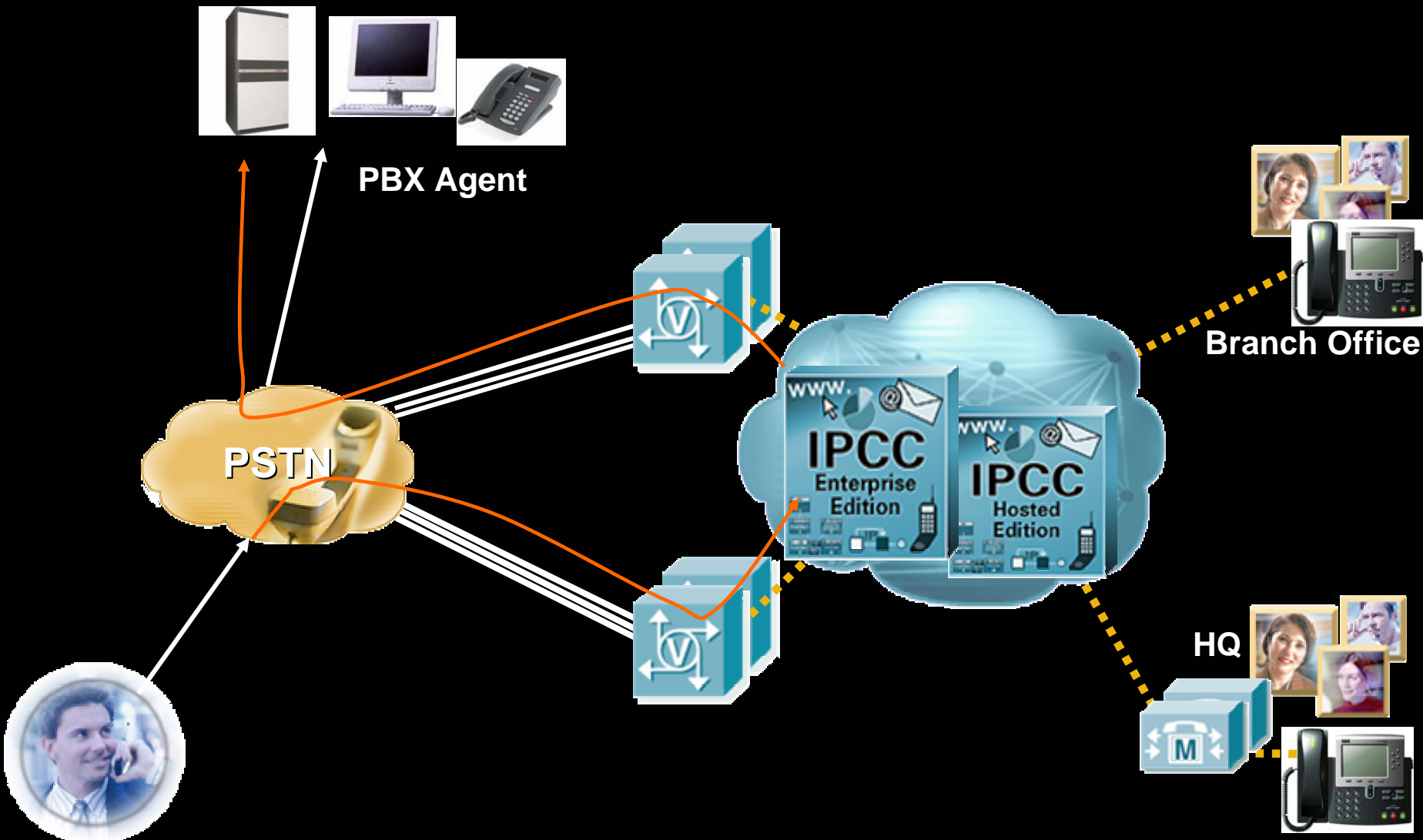
Any Phone Number



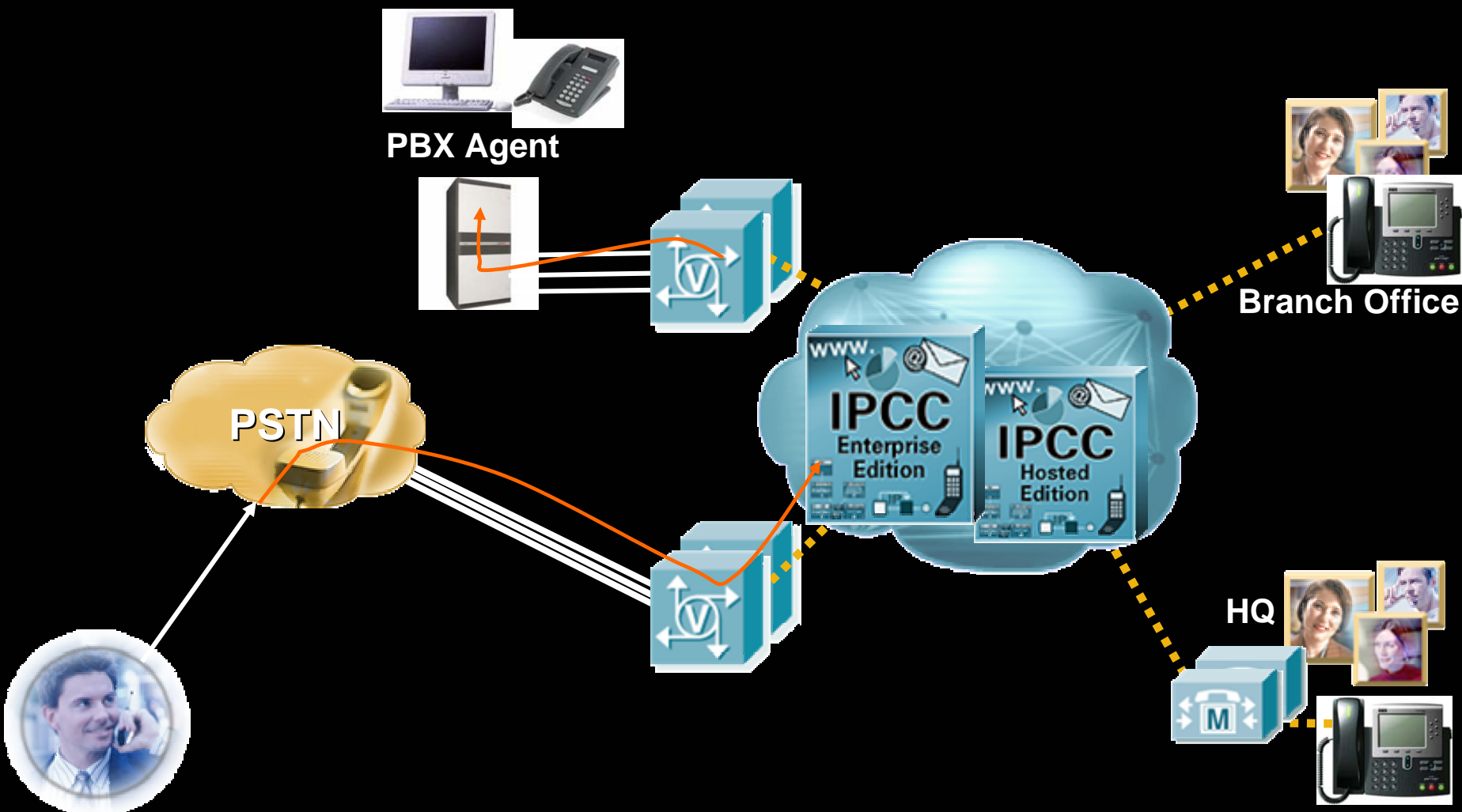
Work At Home



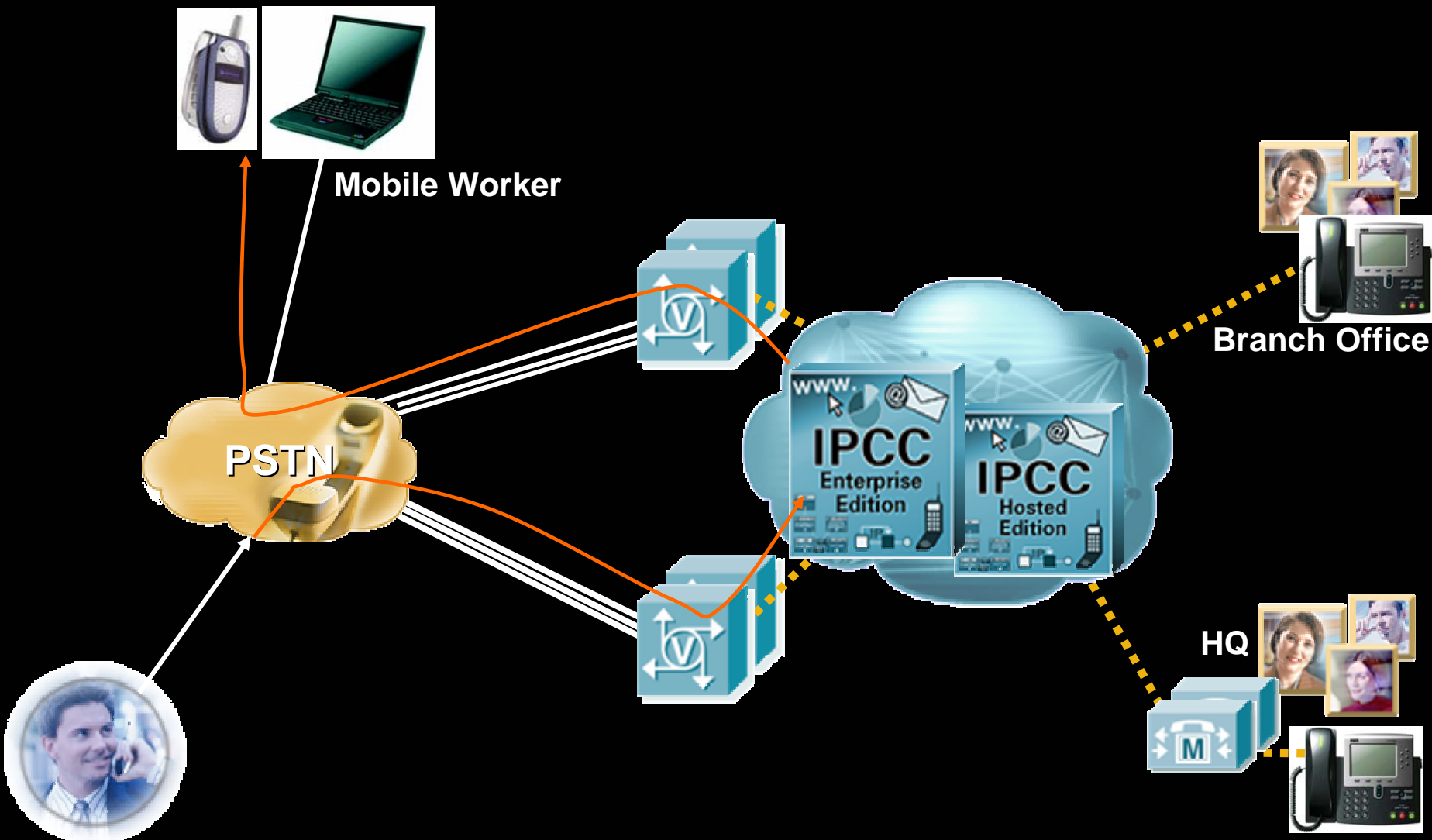
Remote PBX Agent



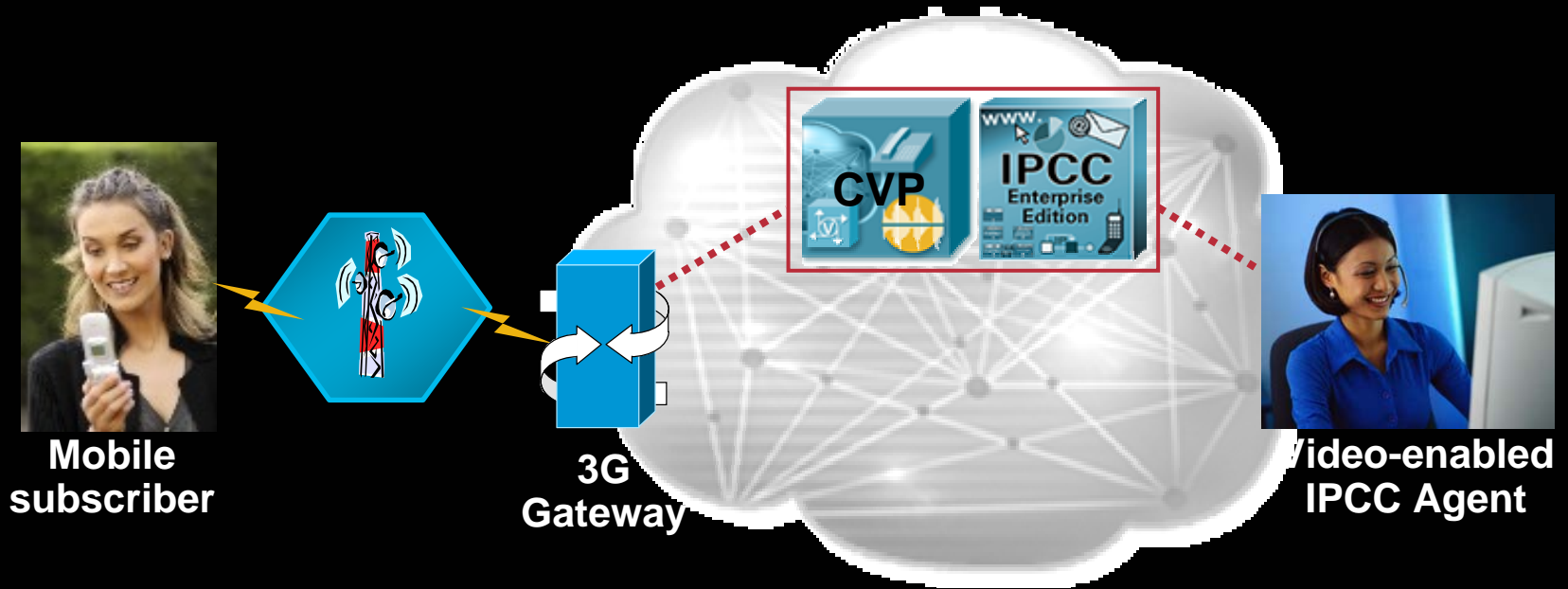
Central PBX Agent



Mobile Worker



Cisco Unified Video Contact Center



1. Video-equipped mobile subscriber places video call
2. Can navigate a menu to make self service or routing selections
3. Receives streamed video while waiting for an agent
4. Video call directed to video-enabled agent under IPCC control
5. Agent can direct additional video streams to the caller



Summary



Cisco Unified Contact Center Solutions: Summary

- **Cisco has a complete set of fully integrated contact center applications—starting with TDM-based contact management to sophisticated multi-channel IP ACD offerings and advanced speech self-service**
- **Cisco’s products are designed to easily integrate new capabilities, flexibility, business agility and future technologies**
- **Cisco enables customers to invest in the part of the network they plan to keep, not the part they plan to phase out – they can migrate from TDM to IP at their own pace, without having to fork-lift their applications, systems or agents**





Q and A



CISCO SYSTEMS

