

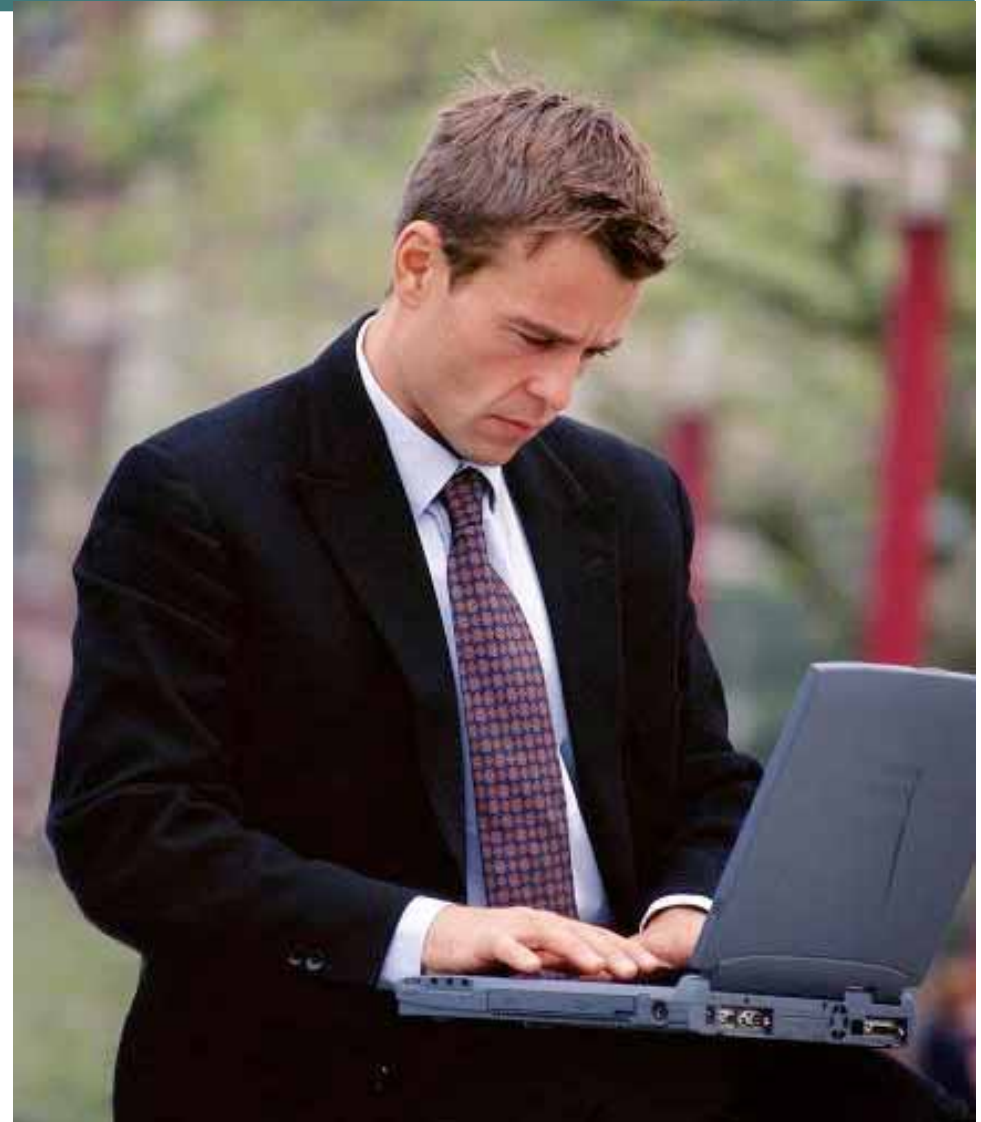


# Managed Services The Road to Revenue

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# Agenda

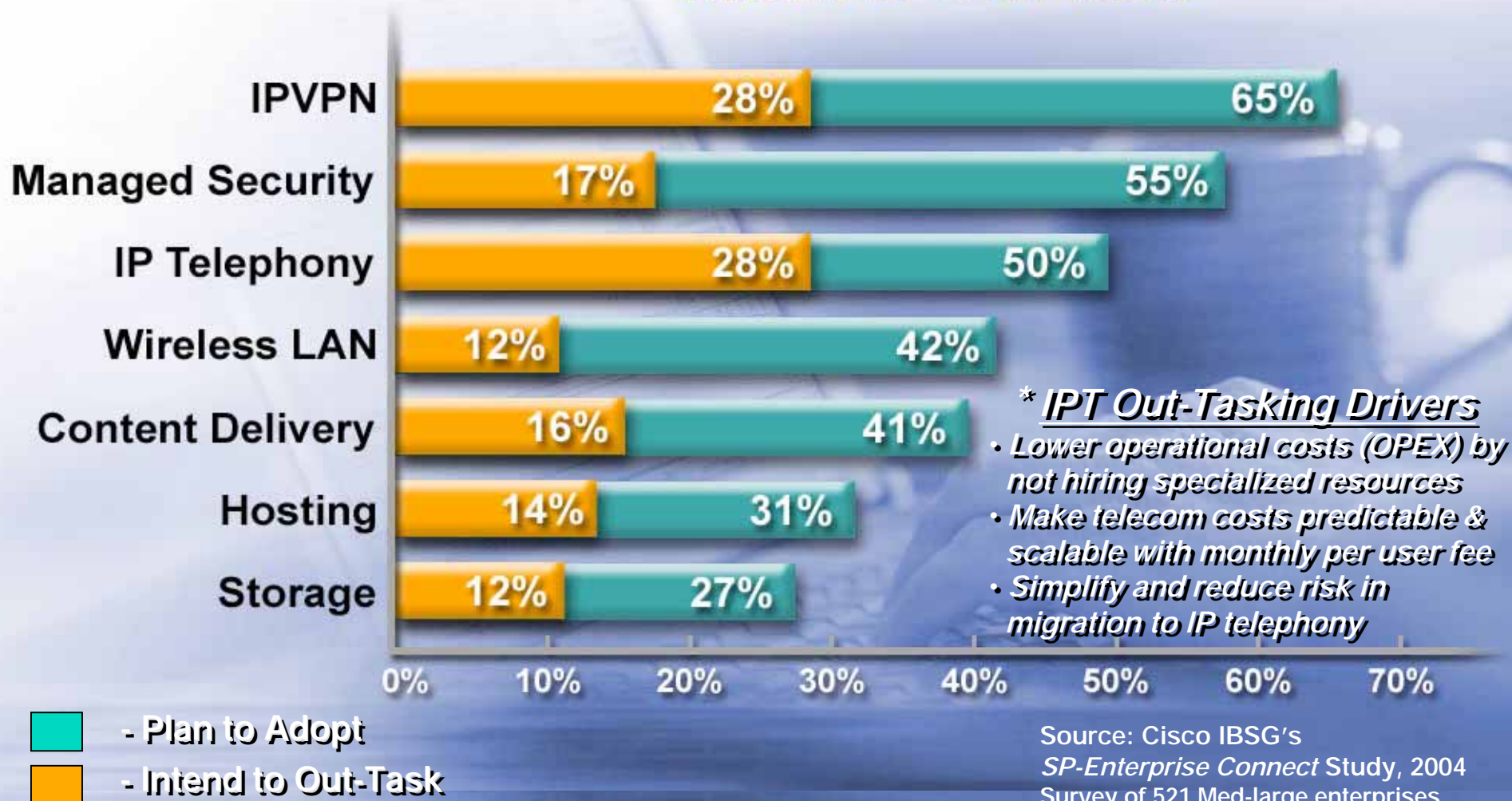
- ◆ **Managed Services Introduction**
- ◆ **Solution Offerings**
- ◆ **Market to Services Mapping**
- ◆ **Summary**



# High Business Interest in OutTasking

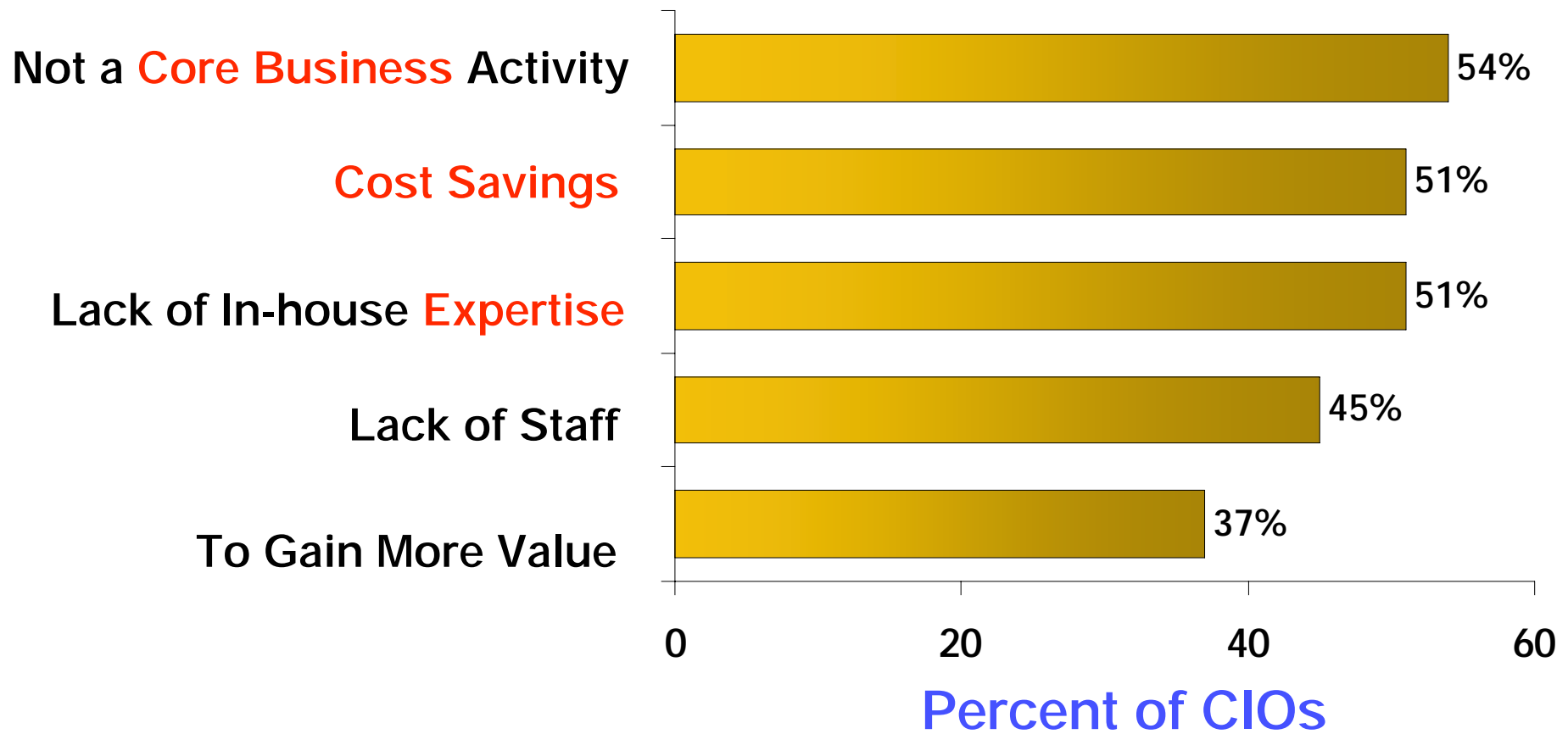
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## Intent to Out-Task



Source: Cisco IBSG's  
SP-Enterprise Connect Study, 2004  
Survey of 521 Med-large enterprises,  
US & EMEA

# Out-Tasking--- Reasons



# One Network Many Services for Customers

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Site Backup and Resilience	Voice VPN's
Classes of Service	IP Telephony Integration
Telecommuter Services	Private Content Services
Traveling User Services	Managed Extranet Services
Internet Access Integration	ASP Services
Firewall Services	Virtual ISP Services
Secure OFFnet Access	Unified Communications
Intranet Hosting/Colo Services	E-commerce
Site-to-Site Encryption Services	End-to-End SLA's

# Evolution of Services Phases

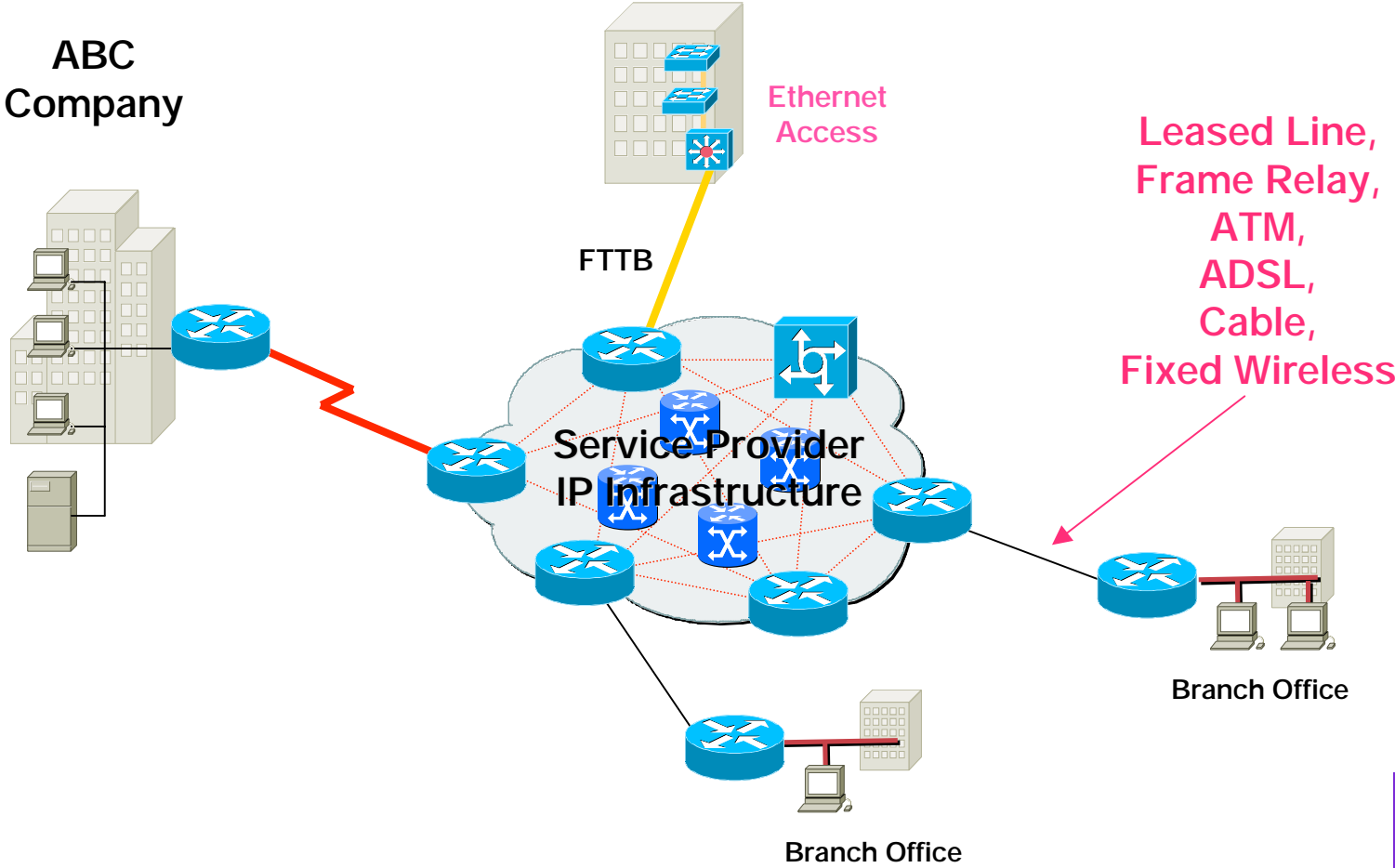
The evolution of Telco services can be divided into four phases, each with escalating complexity and value offered by the service provider:

<b>PHASE I</b> <b>CONNECTIVITY</b> <b>SERVICE</b>	<b>PHASE II</b> <b>PROVISIONED</b> <b>SERVICE</b>	<b>PHASE III</b> <b>MANAGED</b> <b>SERVICES</b>	<b>PHASE IV</b> <b>OUTSOURCING</b>
			
<b>The most basic offering</b>	<b>More expertise, but still static offering, includes CPE</b>	<b>Addressing business needs more completely, selectively tailored</b>	<b>The most complex offering</b>
<b>Transport: Type and bandwidth</b>	<b>Connectivity + design, installation</b>	<b>Provisioned + managed &amp; monitored CPE , service bundling, SLA's</b>	<b>Integrated service + consultative modifications to fit customer's specific needs</b>
<b>Eg. Leased Line</b>	<b>Eg. Broadband Internet Access</b>		

# Managed Services Solution Options

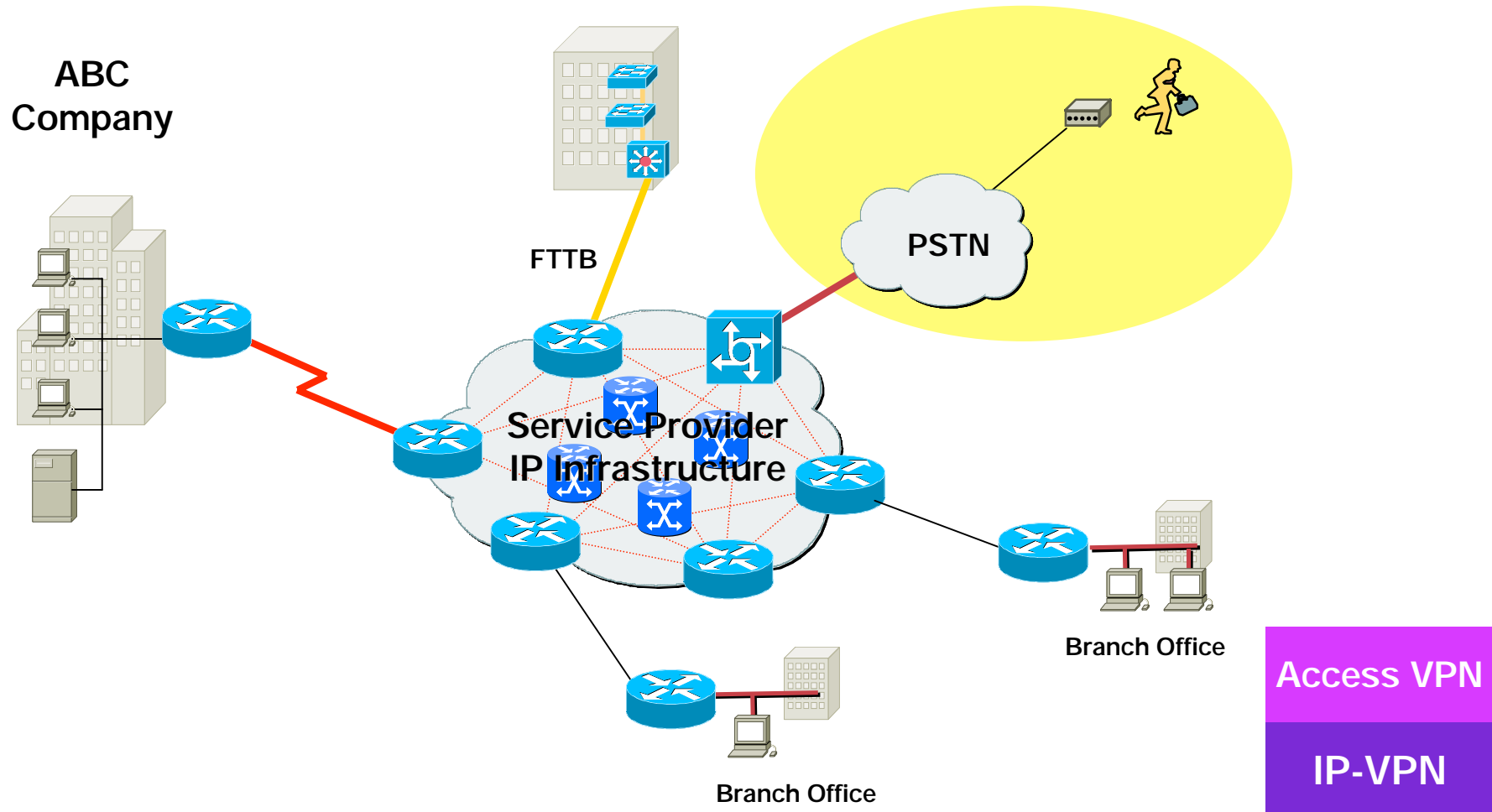


# Layer 3 and Layer 2 MPLS VPN

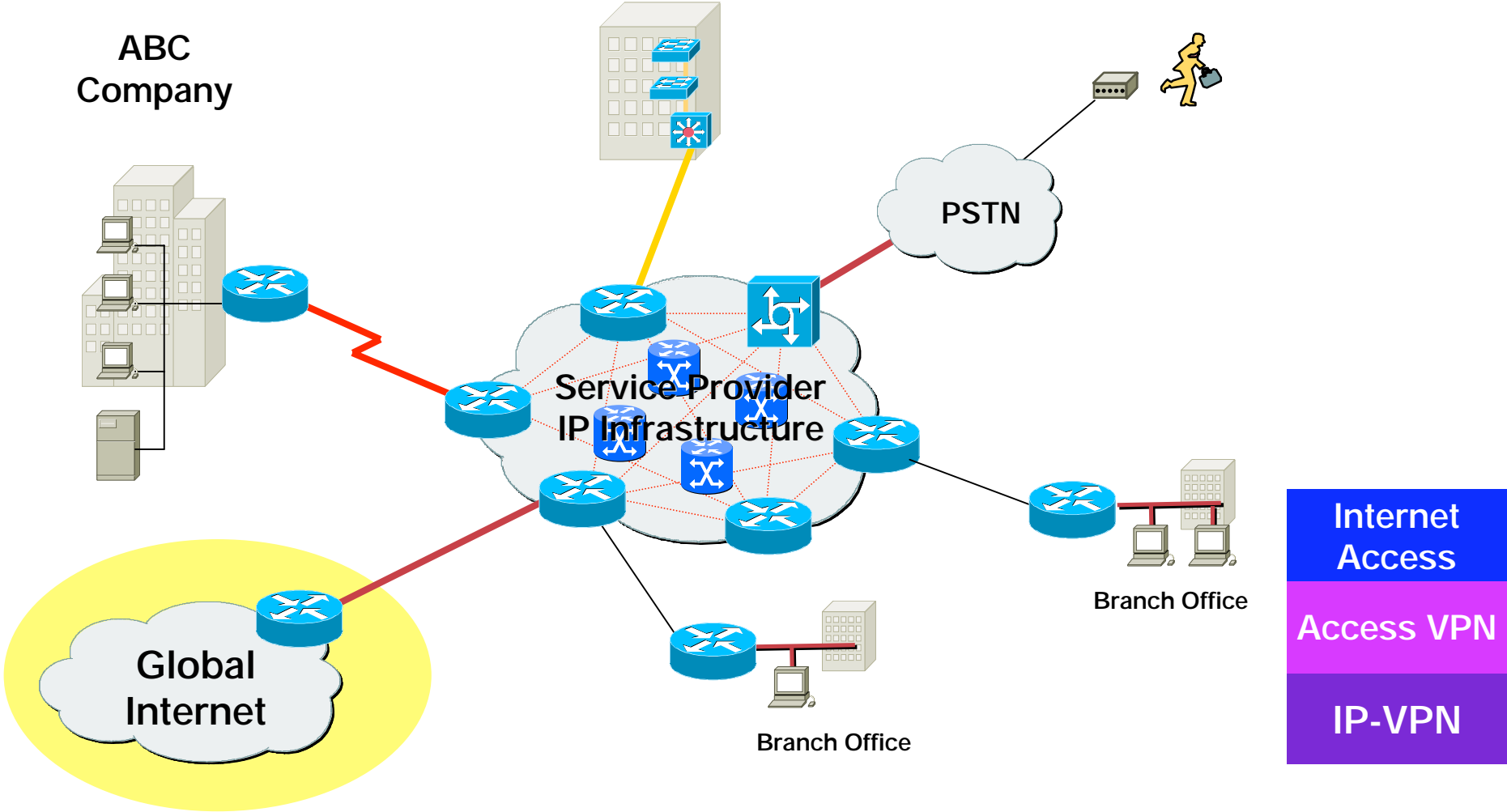




# Access VPN



# Internet Access



# Managed Security

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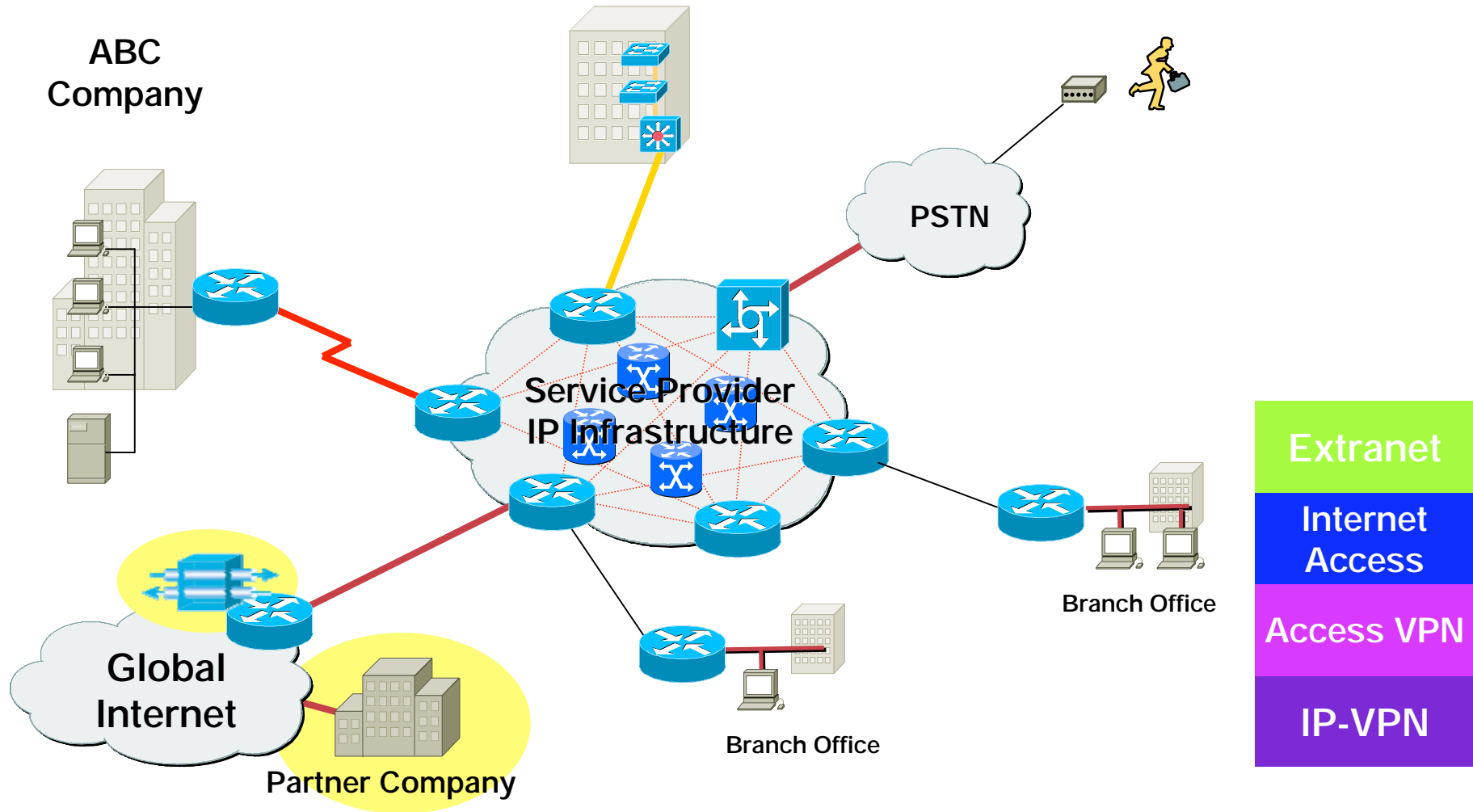
**Managed  
End-to-End  
Security**

**Enhanced  
Security**

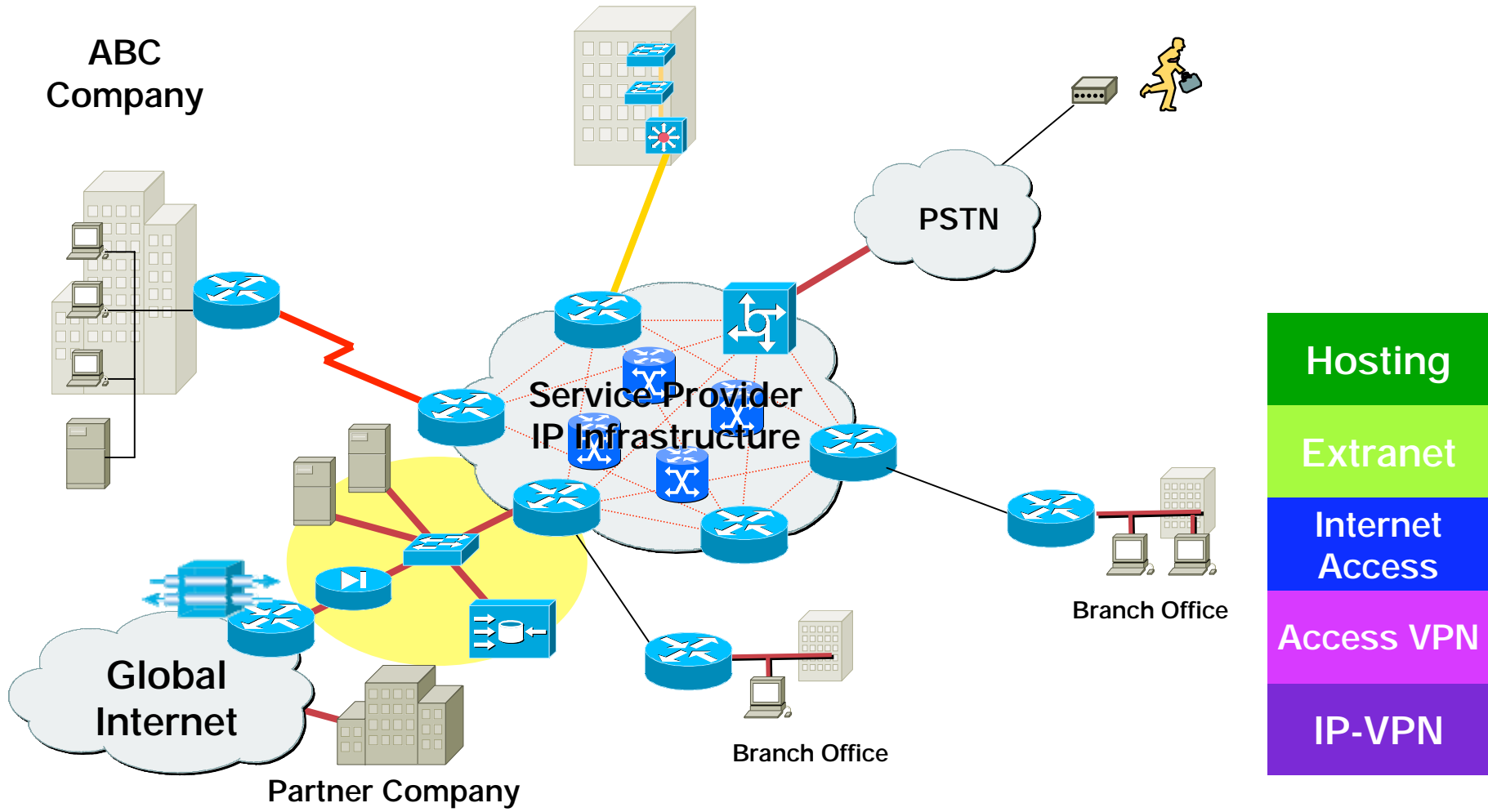
**Basic  
Protection/  
Security**

11. Full MSSP capabilities
  - Consultative Full Security Lifecycle Management
  - Security SLAs
4. Mgd DDoS Service
5. Mgd Network-based Firewall
6. Mgd Network-based Intrusion Detection/Prevention
7. Outbreak Prevention Service
8. Mgd Network Access Control/Quarantine
9. Mgd Antivirus & Endpoint Protection
10. Mgd Wireless (802.1x) Security Svc
1. Mgd CPE Firewall
2. Mgd IPSec VPN (site to site and remote access)
3. Mgd CPE Intrusion Detection/Prevention

# Extranet



# IDC / Hosting



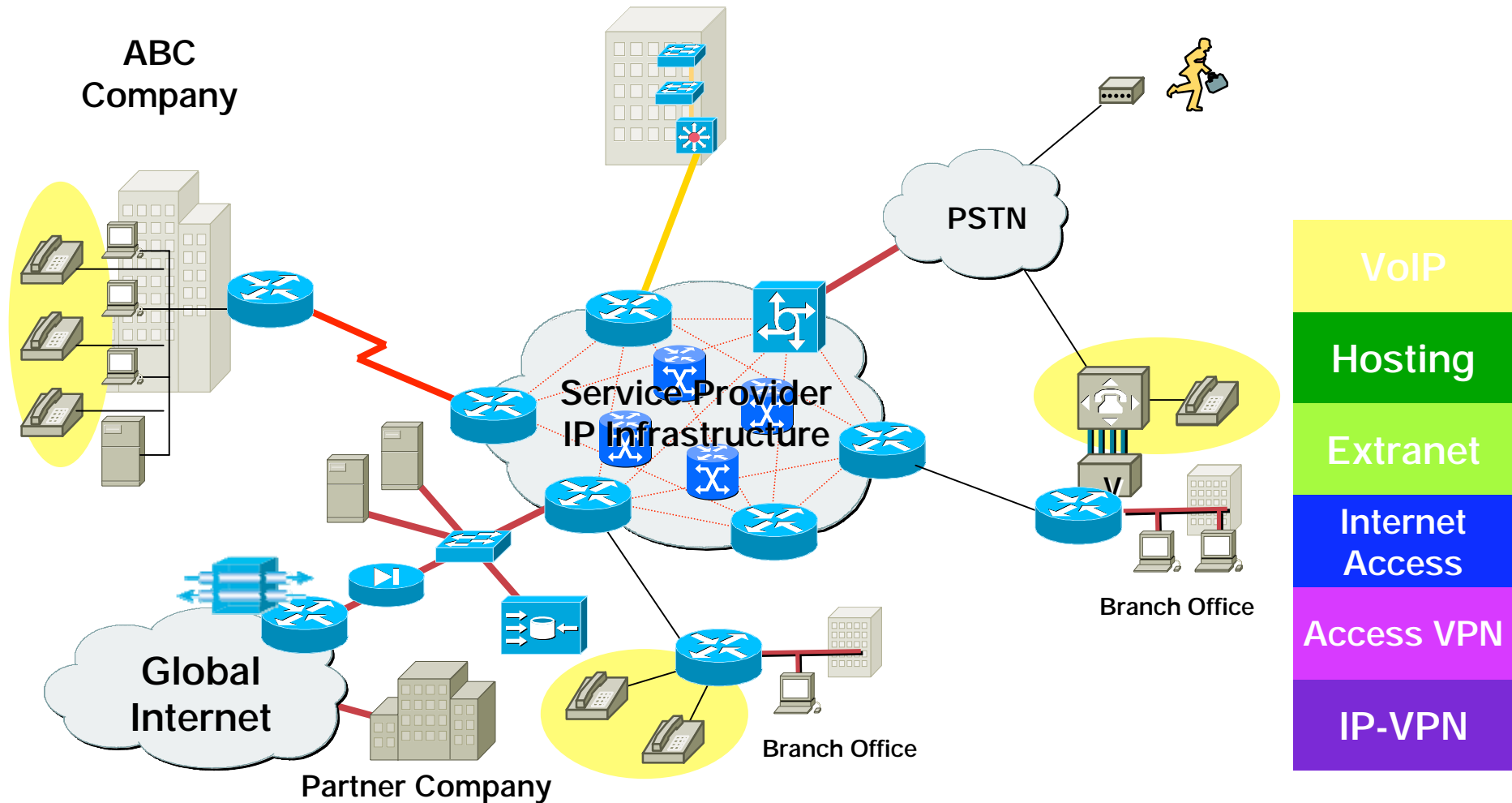
# Managed Voice Services

- ◆ Enable Service Providers to deliver revenue generating *services* based on IP Communications to enterprises and SMBs

- *Hosted IP Communications Applications*

- *Hosted Call Center*

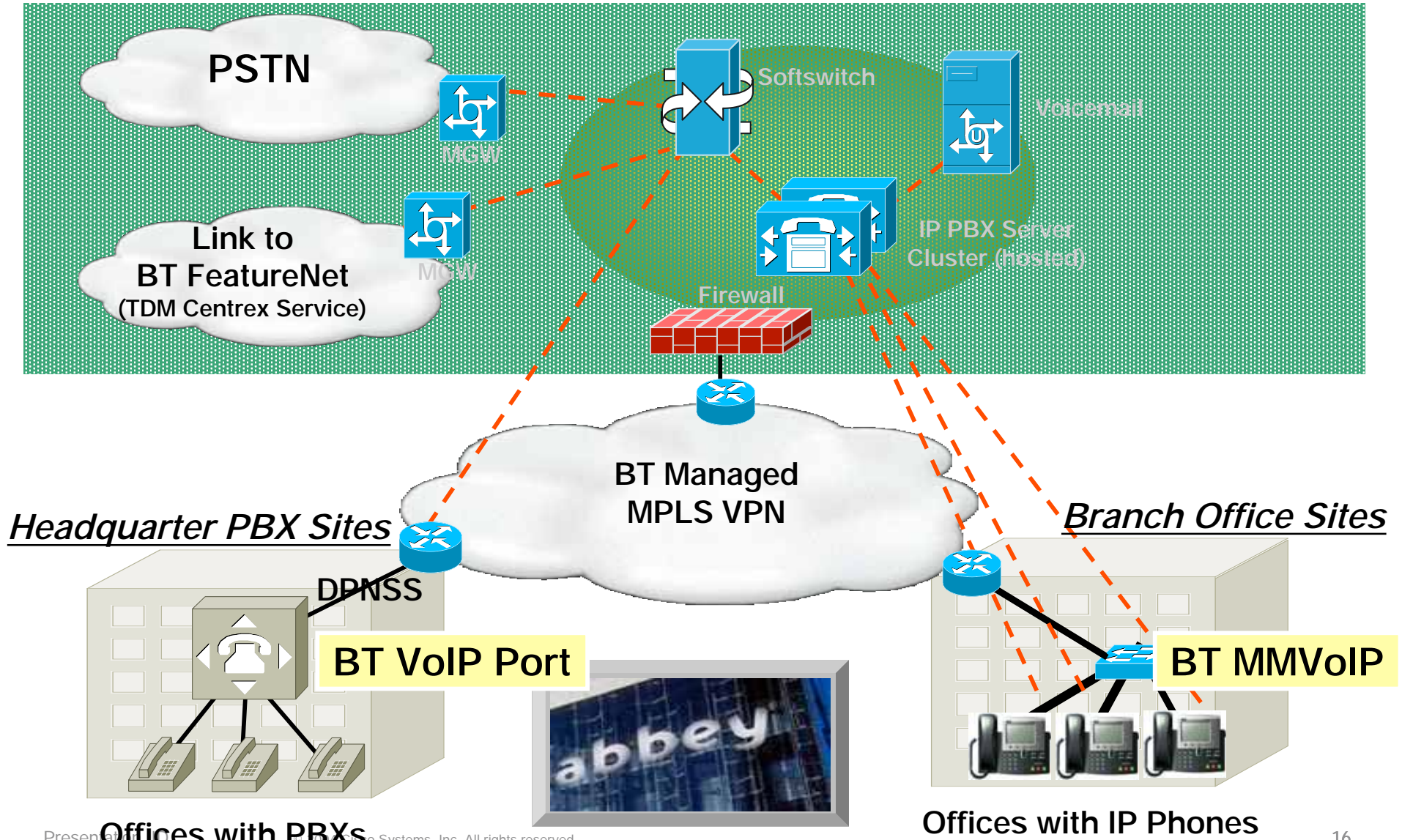
# Managed Voice Applications



# BVS (Biz Voice Services) Case Study: Voice VPN and Hosted IP Telephony



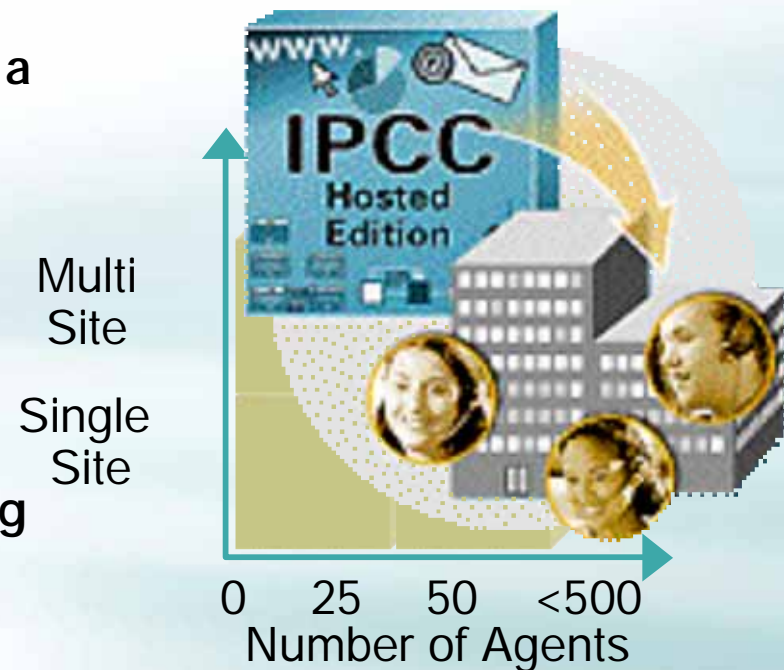
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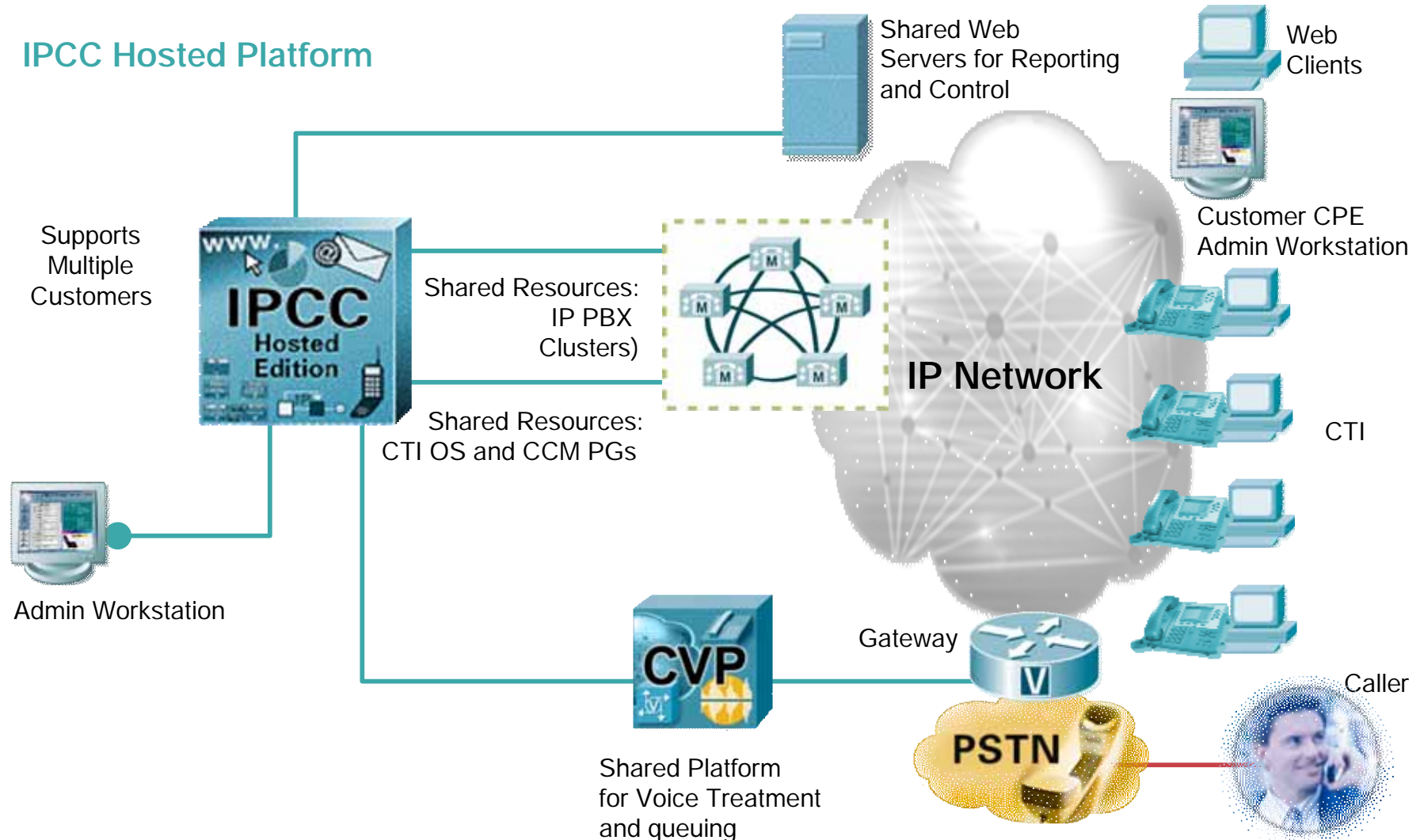
# Hosted Call Center Services (IPCC)

- ◆ Service provider hosts the contact center infrastructure: the ACD feature set, the IP Network IVR, and IP telephony services — in its central office/data center, which is shared by multiple business customers
- ◆ Provides contact center functionality to a subscribing organization via an IP connection to the Service Provider's infrastructure
- ◆ A logical extension of a voice providers service portfolio
- ◆ Provides a configurable level of administration control to the subscribing enterprise customer



# IP Contact Center Hosted Edition Architecture with VoIP

## IPCC Hosted Platform



# Customer Control and Reporting

## ◆ Customer control options

### *↗ Dedicated CPE administrative workstations*

- ↘ Scripting, reporting, configuration*

### *↗ Web-based tools*

- ↘ Scripting – Internet Script Editor*
- ↘ Reporting (real-time/historical) – WebView*
- ↘ Multi-tenant Web-servers*

### *↗ Service provider managed*

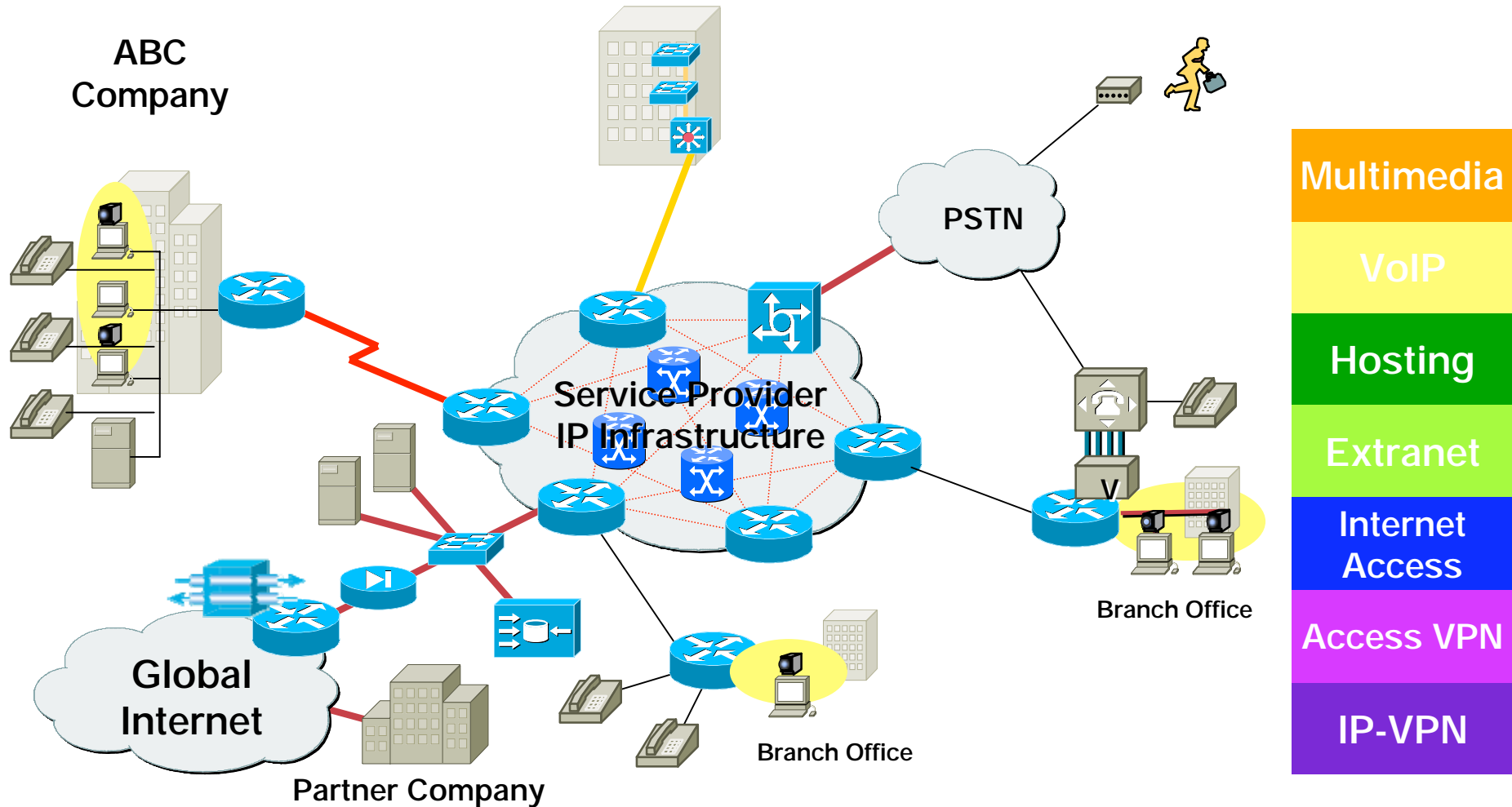
- ↘ Service provider administers the virtual ACD elements for the customer*
- ↘ Customer only has IP Phones and Desktops*

## ◆ Service Provider controls the level of user access

### *↗ Based on customer and UserID*

### *↗ Configurable based on subscribing customer requirements: from read-only to full configuration and scripting capabilities*

# Multimedia Applications



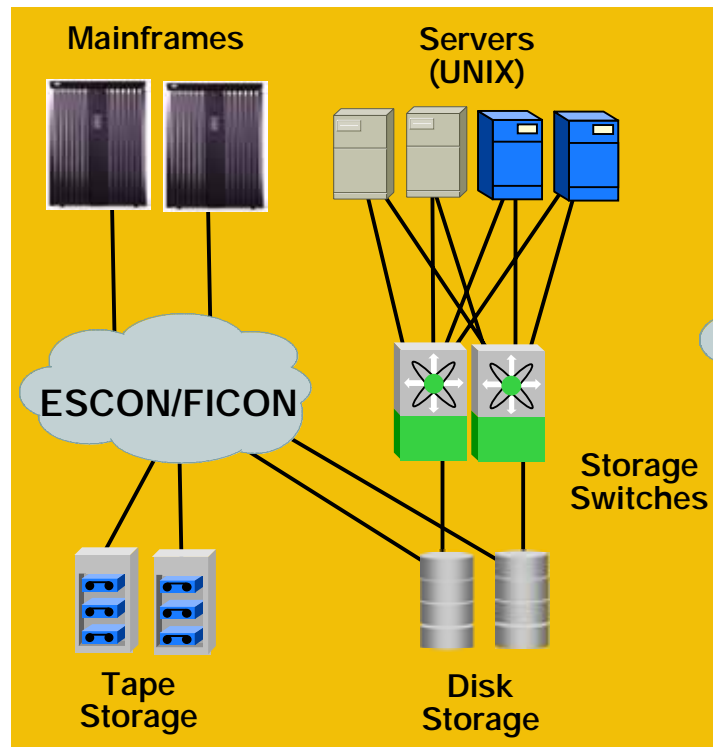
# *Managed Storage Service*

- ◆
- ◆ **Replacing enterprise managed storage solution to Service Provider managed Solution.**
- ◆ **Addressing Business Continuance and Disaster Recovery.**
- ◆ **Professionals to manage the storage space for Customers.**
- ◆ **Reducing Customers Capex Cost**

# Business Continuity Solution

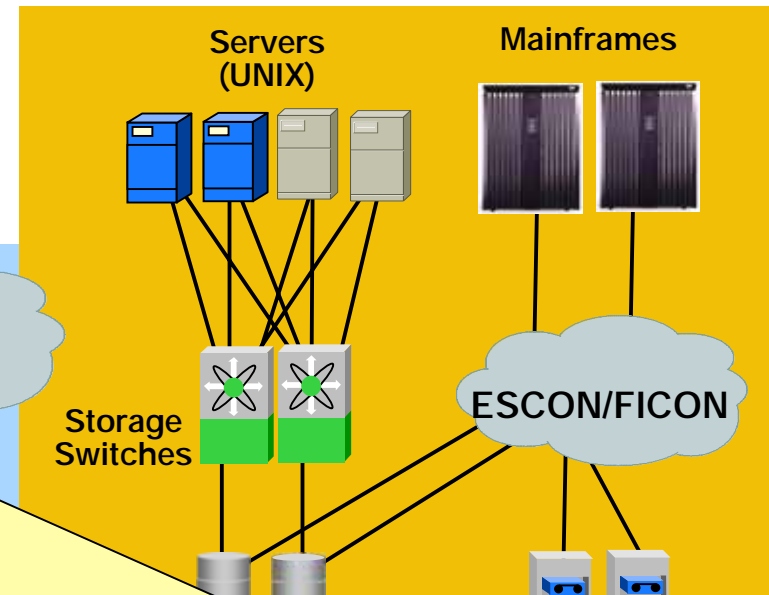
## Network Requirements

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Primary Data Center

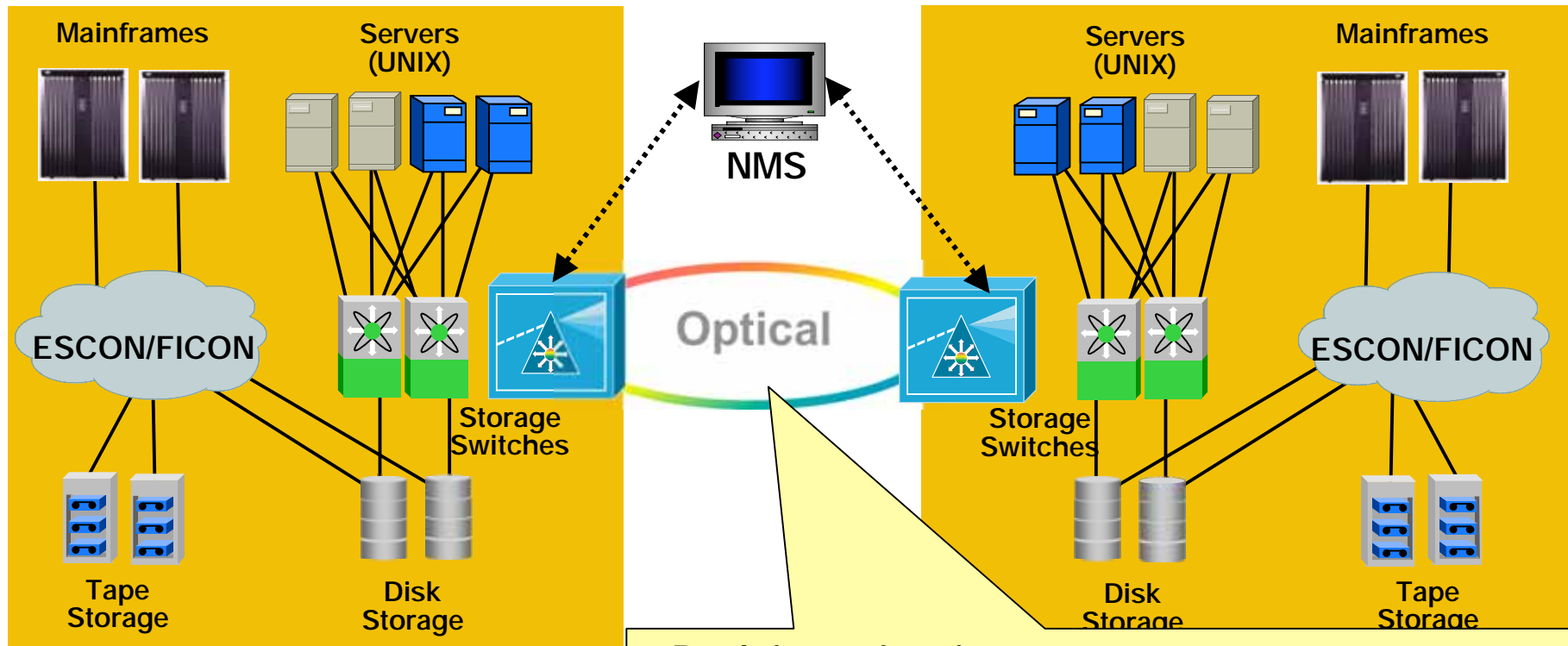
How to Connect?



### Network Requirements:

- Low latency, high-bandwidth network to support synchronous applications
- Support for multiple storage interfaces
- Ability to scale as application requirements grow
- Certification

# Synchronous Applications



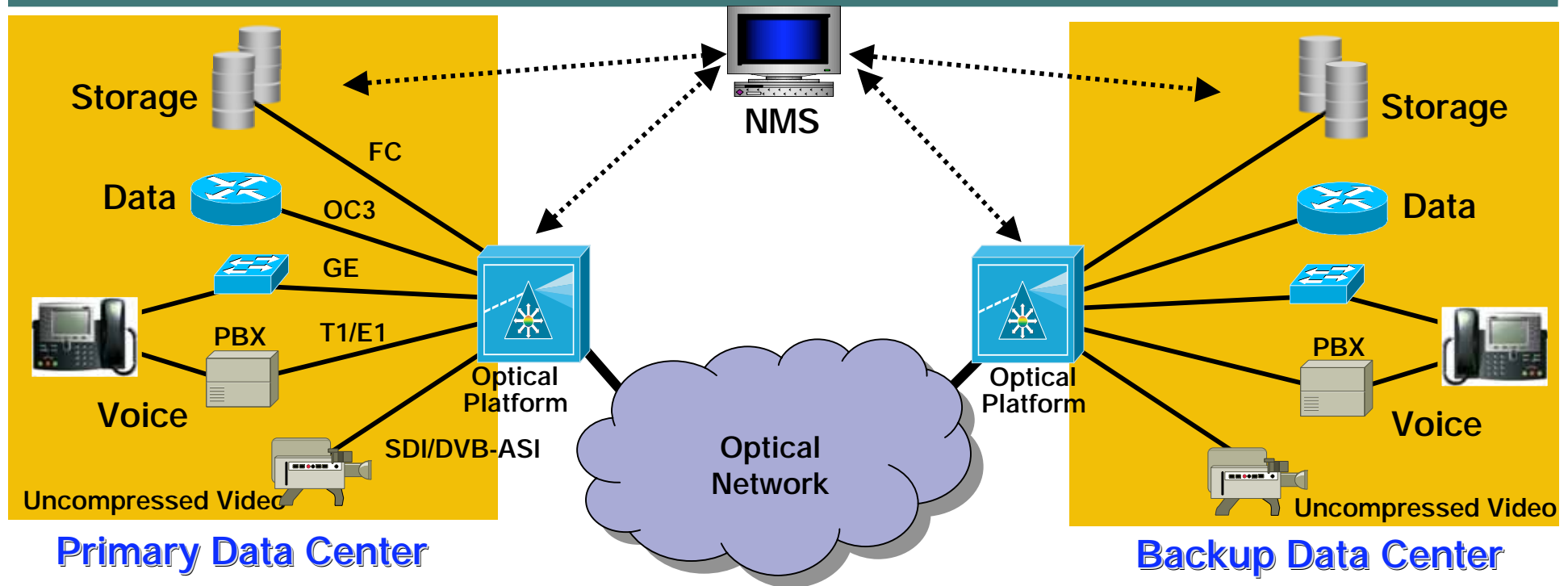
Primary Data Center

- Real time mirroring
- Efficiently support several storage connections (Fibre Channel / FICON / ESCON)
- High bandwidth, low latency network
- End to End Certification

# New Applications Enabler

## - Video, SAN & Business Continuity

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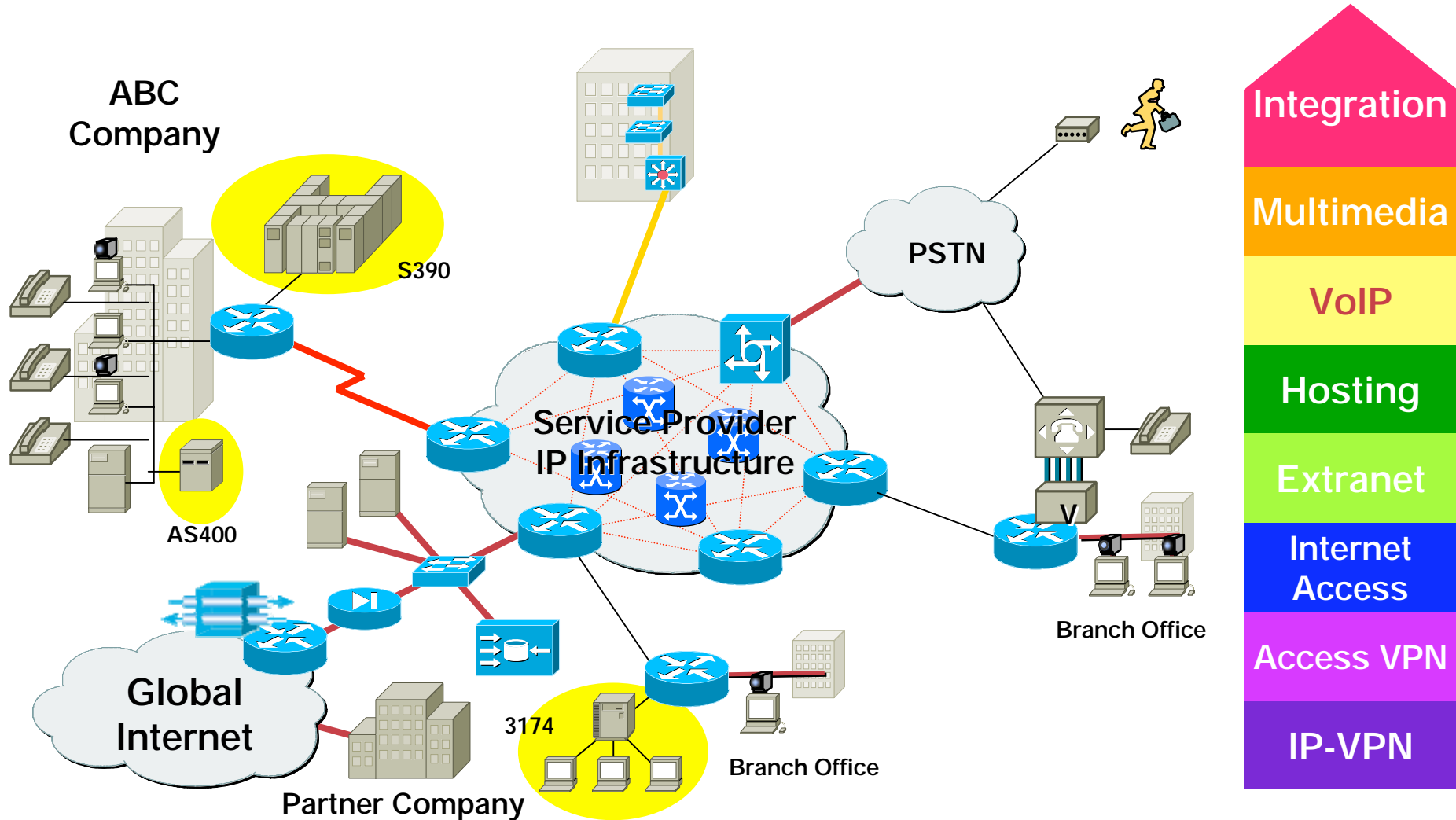


- ◆ Customer benefits from **single, consolidated** network
- ◆ **Integrated management** system for Video, LAN, routing, storage, and optical
- ◆ **Network Transformation** by availability of Bandwidth

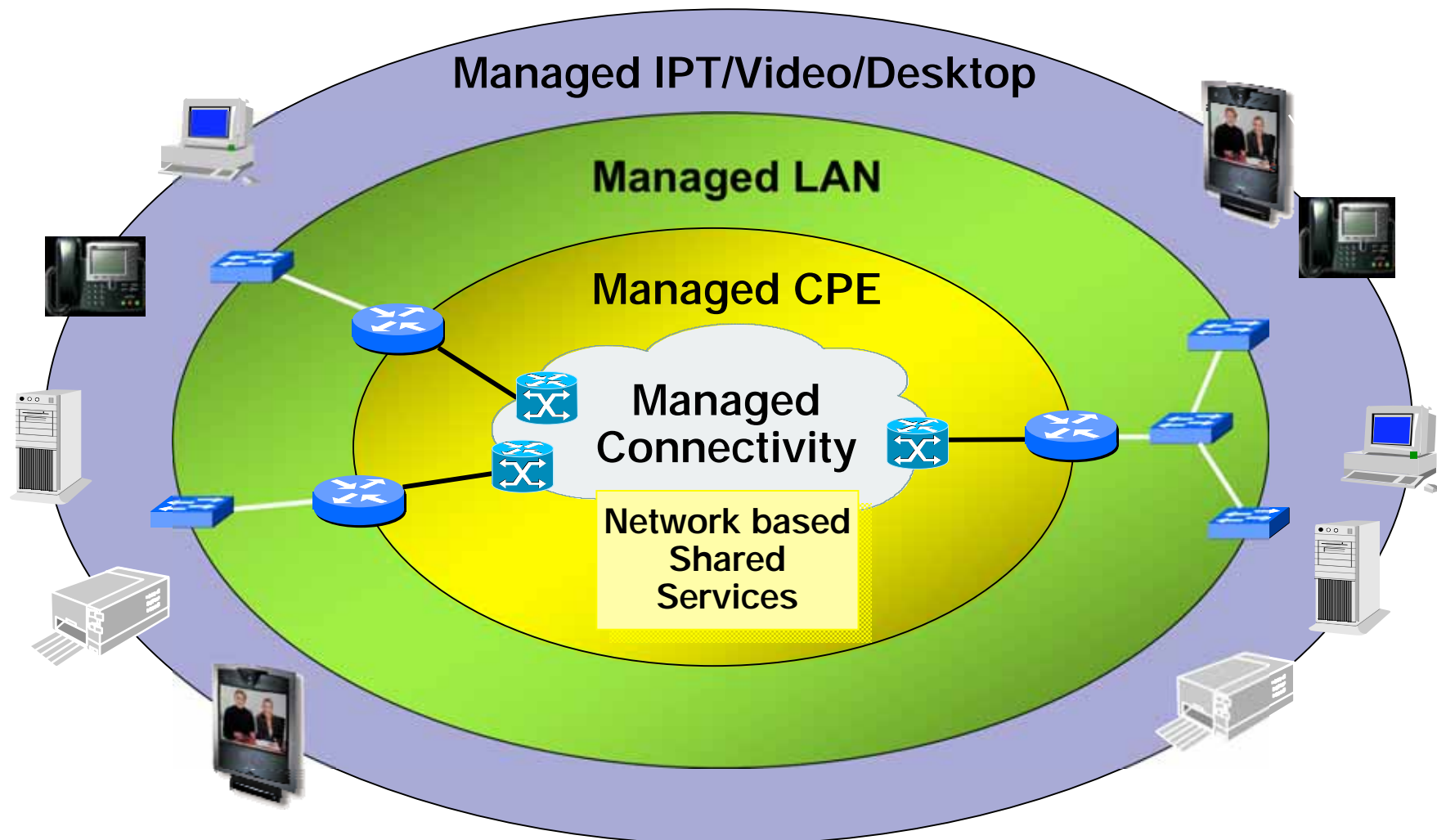


# Enterprise Total Solution

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# Extending the scope of SP Services



# Modes of Engagement

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## Complete Service Lifecycle Approach



### Envision the Service

- Business Case
- Service Creation

### Build the Service

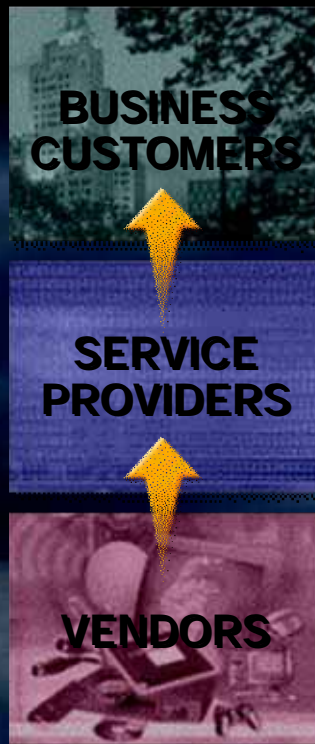
- Technical Consulting
- Product positioning
- Bundle creation
- Sales force skilling

### Market & Sell the Service

- Go to Market
- Deal engagement
- Support Framework

# How SPs can succeed with their customers

## Traditional Roles of Separation



## Helping Service Providers Succeed



# CISCO SYSTEMS

