



# - IP Communications

**2005. 12. 07**

# Contents

**IP Communications**

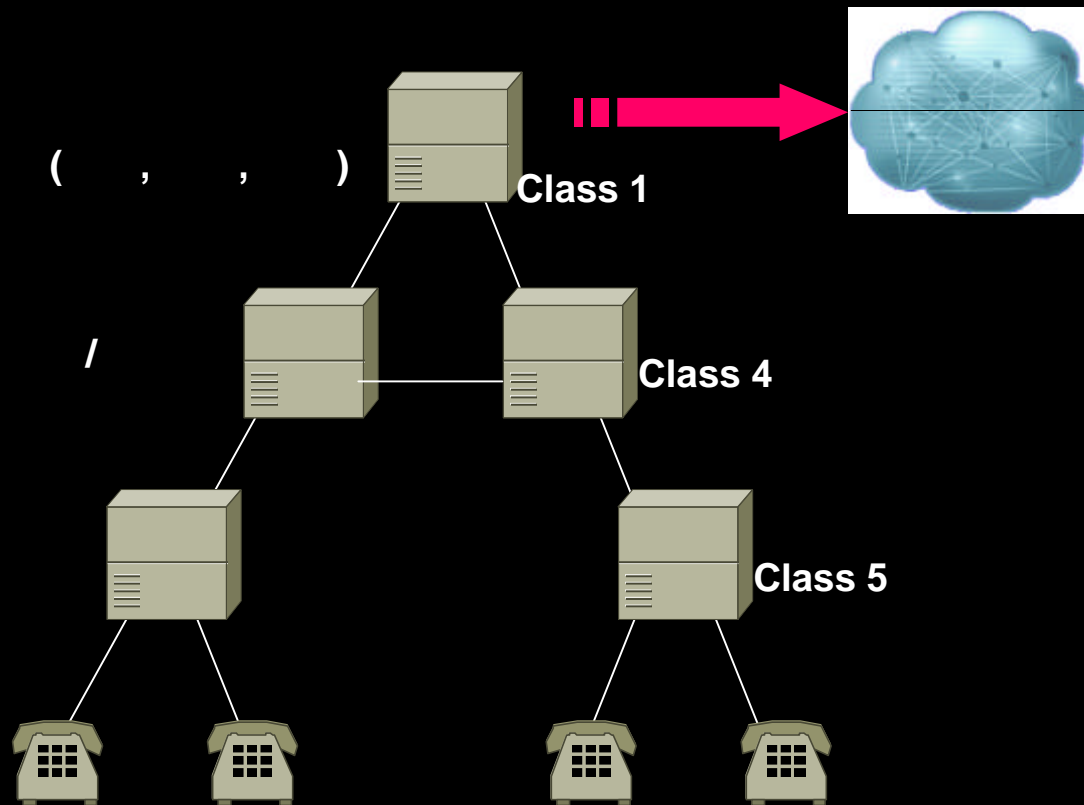
**IP Communications**

**IPC Migration**



# Part 1: IP Communications

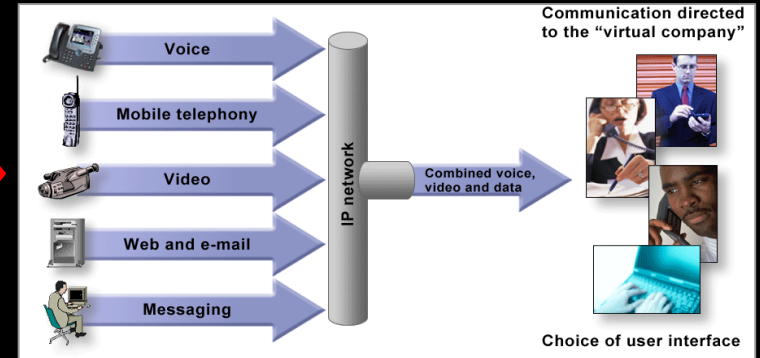
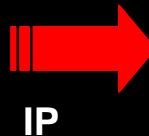
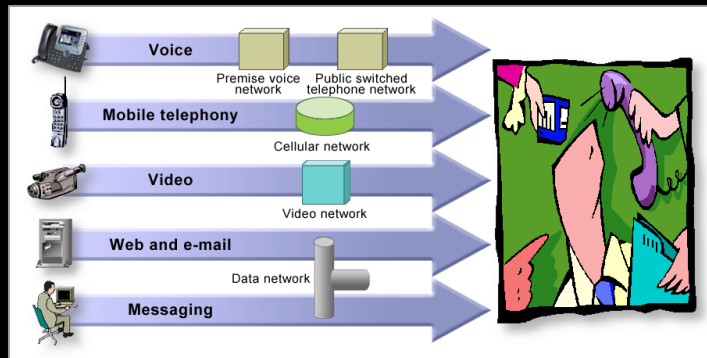
# IP Communications





# IP Convergence

- wav
- ( )
- Outlook, Notes
- Web



# 가?

## IT839

8

WiBro

•DMB

•

•

•RFID

•W-CDMA

• DTV

• (VoIP)

9

TV/

IT SoC

PC

SW

(DC) & Software

3

(BcN)

u-

(USN)

(IPv6)

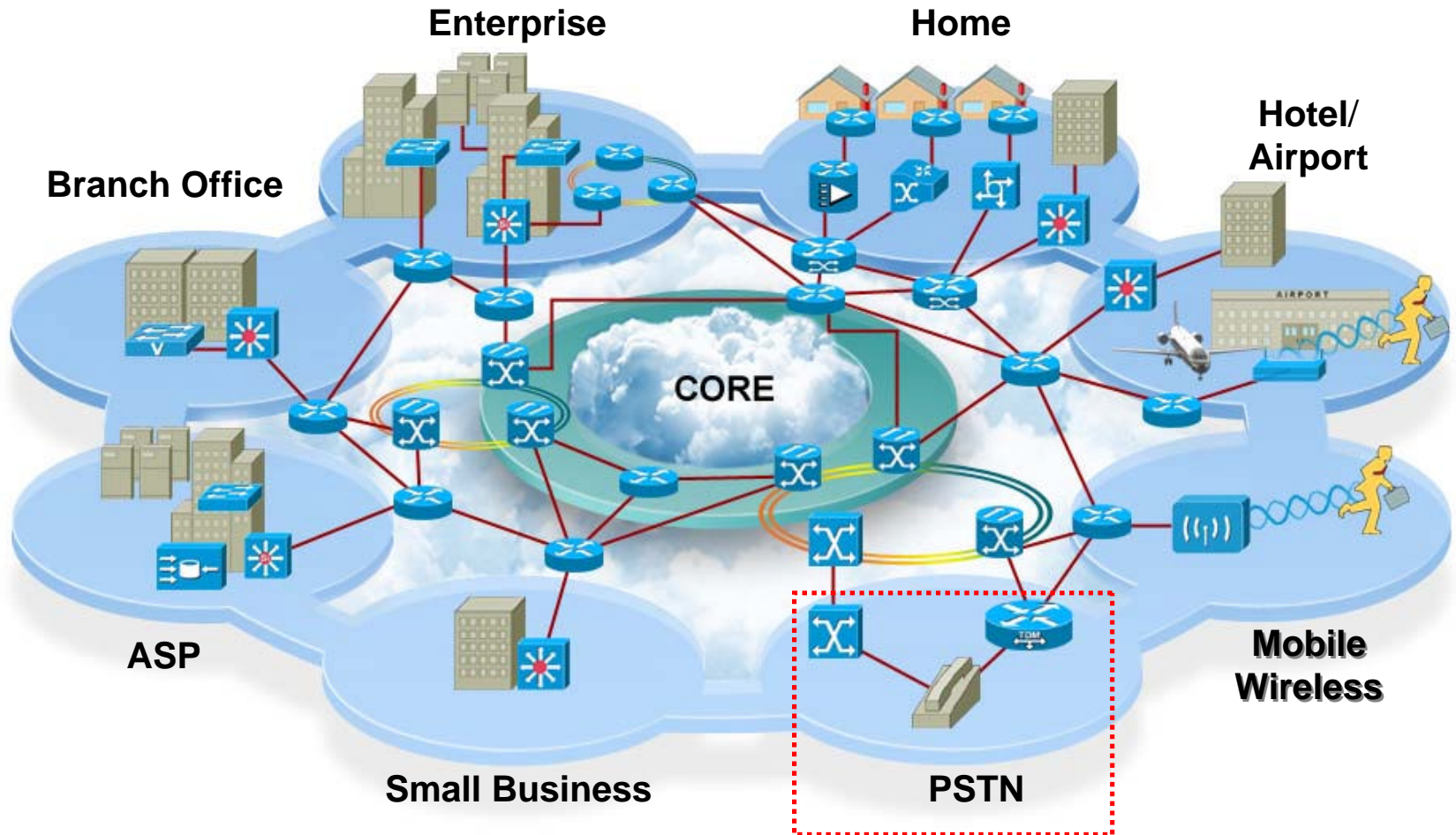
• 가 IT839  
BcN ,

가 ,

• QoS가  
All IP

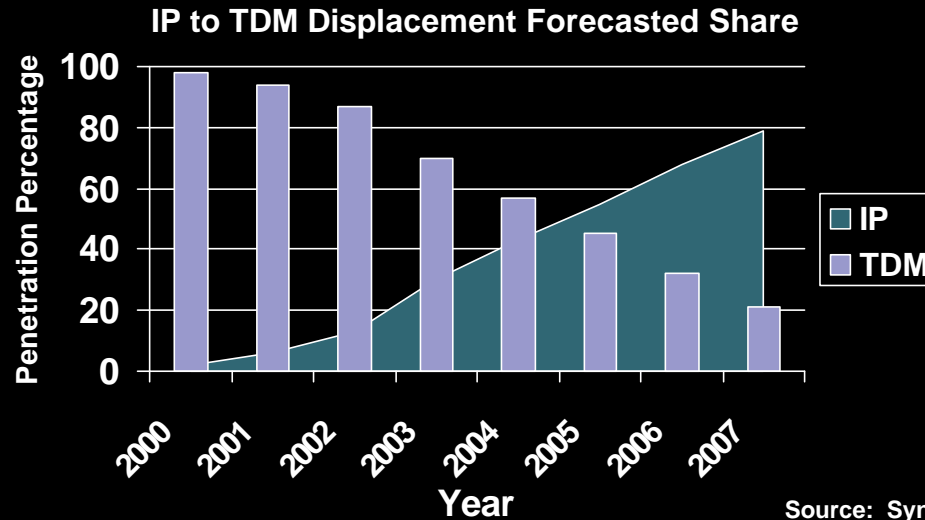
# (NGN)

poweredbycisco.  
**voicecomm**  
**2005**



# IP Telephony

## IP-PBX 가



Source: Synergy Nov, 2003 & Infotech Q3 2003

“

TDM

5

TDM

2007

PBX

...

”

Gartner, March 2003

# Part 2: IP Communications

# IP Communications(IPC)



IPC

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IPC

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IPC PBX

?

Legacy

IP

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IPC?

IPC

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IPC

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Compression Method		MOS Score	Delay (Msec)	Bit Rate (Kbps)
PCM (G.711)	LAN	4.4	0.75	64
CS-ACELP (G.729)	WAN	3.9	10	8
ACELP (G.723.1)		3.8	30	6.3–5.3

- MOS(Mean Opinion Score) :

가

Rating	Speech Quality
5	Excellent
4	Good
3	Fair
2	Poor
1	Unsatisfactory

**MOS of 4.0 = Toll Quality**

# IPC

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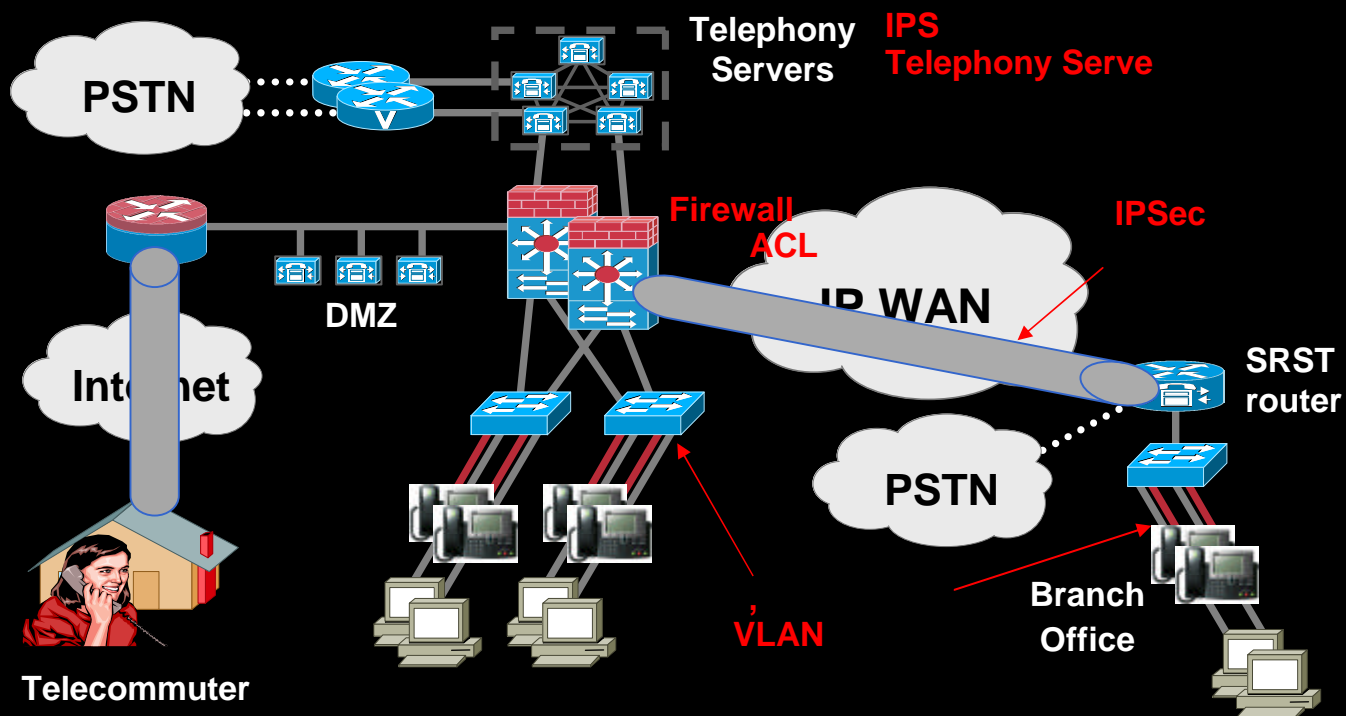
- 

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- IPC

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# IPC PBX



**Enhanced**

(Remote Serviceability)  
(Personal Assistant)  
(PnP Installation)

(User Mobility)  
(Unified Messaging)  
LDAP  
Voice Portal( )

**Basic**

(Hold)  
(Transfer)

DID/DOD

(CDR)

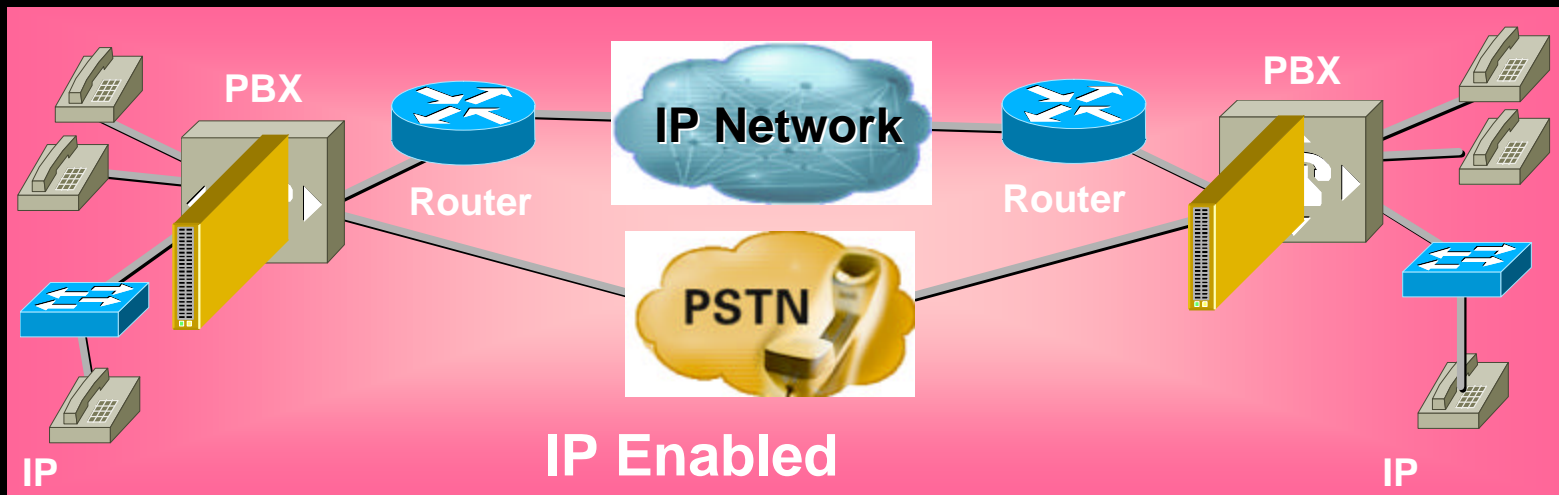
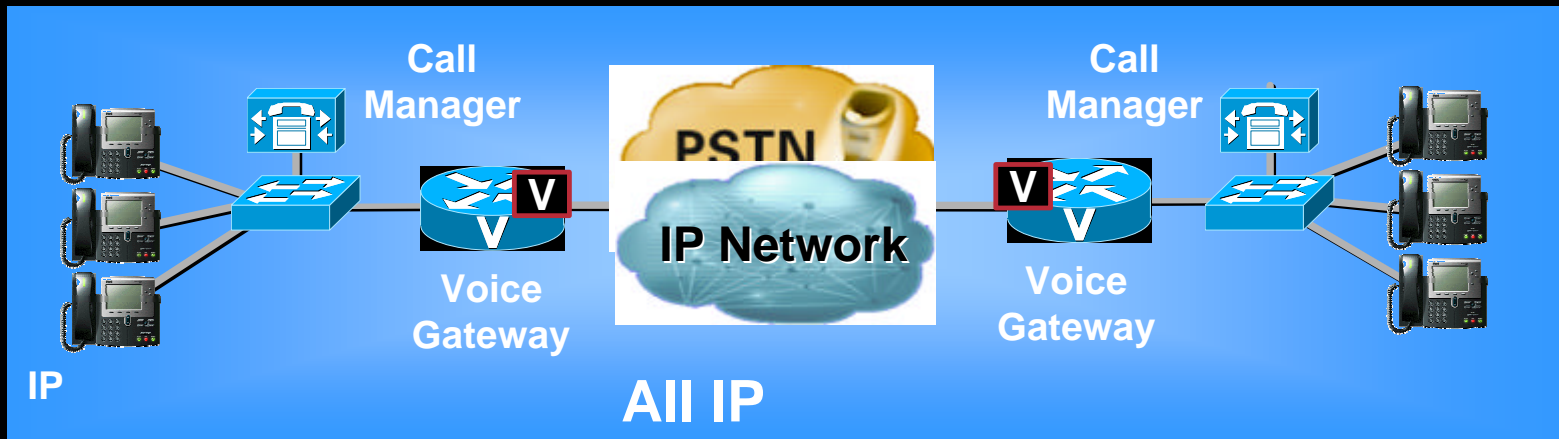
Legacy

IP

가

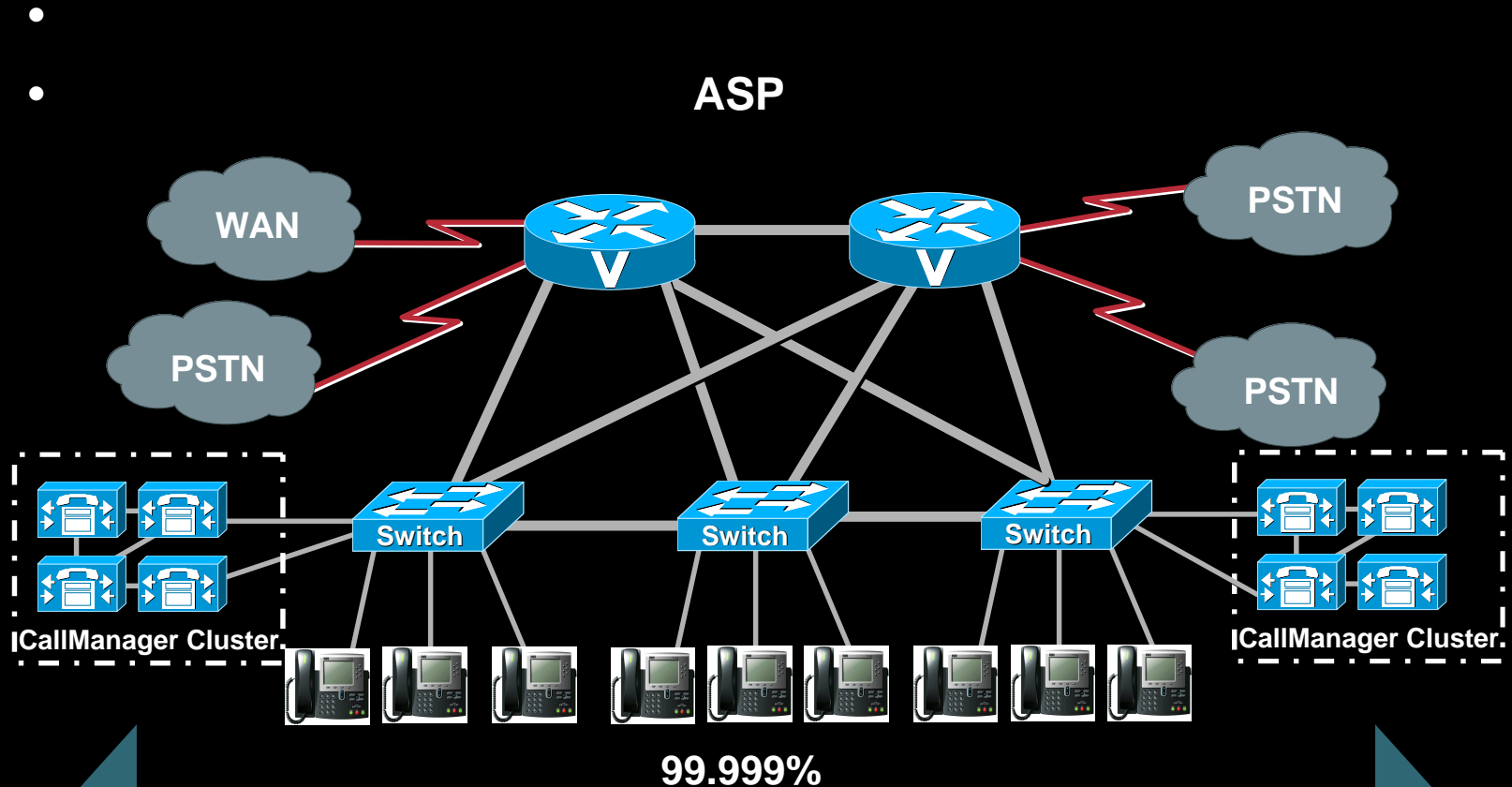
IP

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**2005**



# IPC

# ?



# IPC

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(Updated 05.11.16)

- 가
  - 30,000+ 가 Cisco IPC
  - 80 가 5,000 IP Phone
  - 30 10,000 가 IP Phone
  - 20,000 .....



- More true IP endpoints shipped
  - 6.6 M+ Cisco IP phones
  - 4.6 M+ Cisco Unified Messaging seats( )
  - 985 K+ Cisco Contact Center agents
  - 131 K+ Cisco MeetingPlace licenses( )
  - 22 M+ VoIP gateway ports

## Part 3 :

## IPC Migration



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- (?) →

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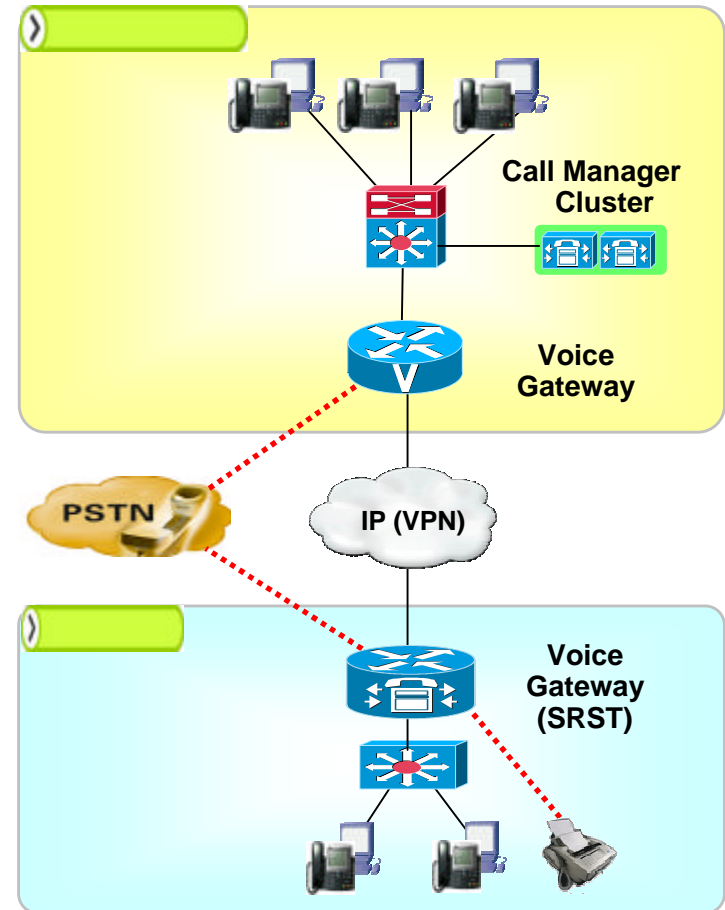
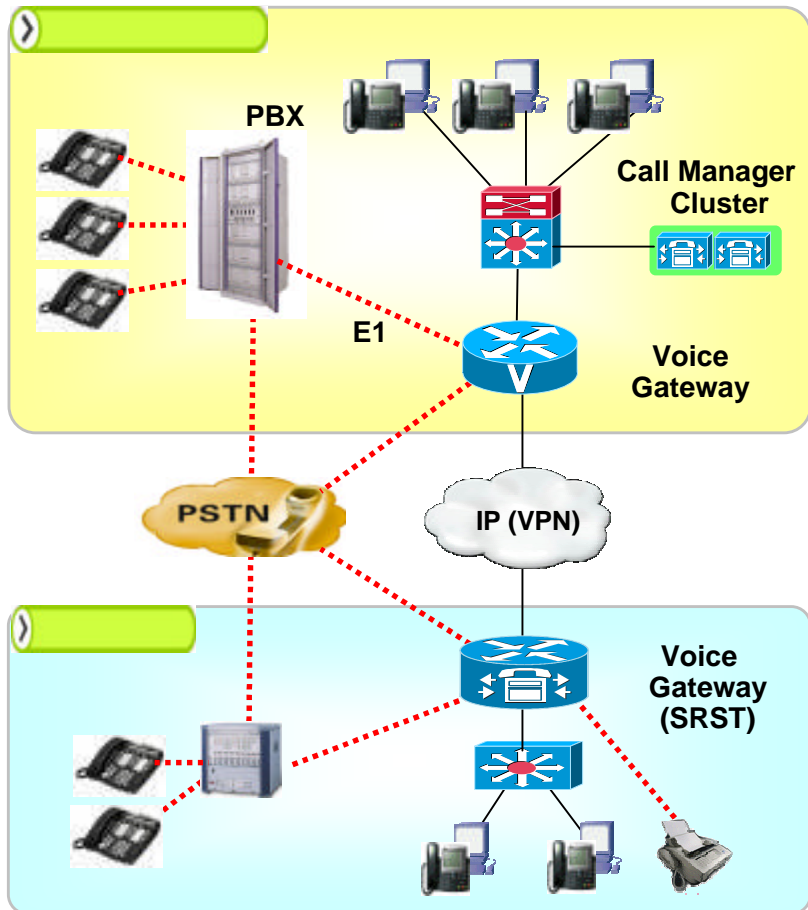
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- 
- **MAC(Move, Add, Change)**

# PBX,

( → )

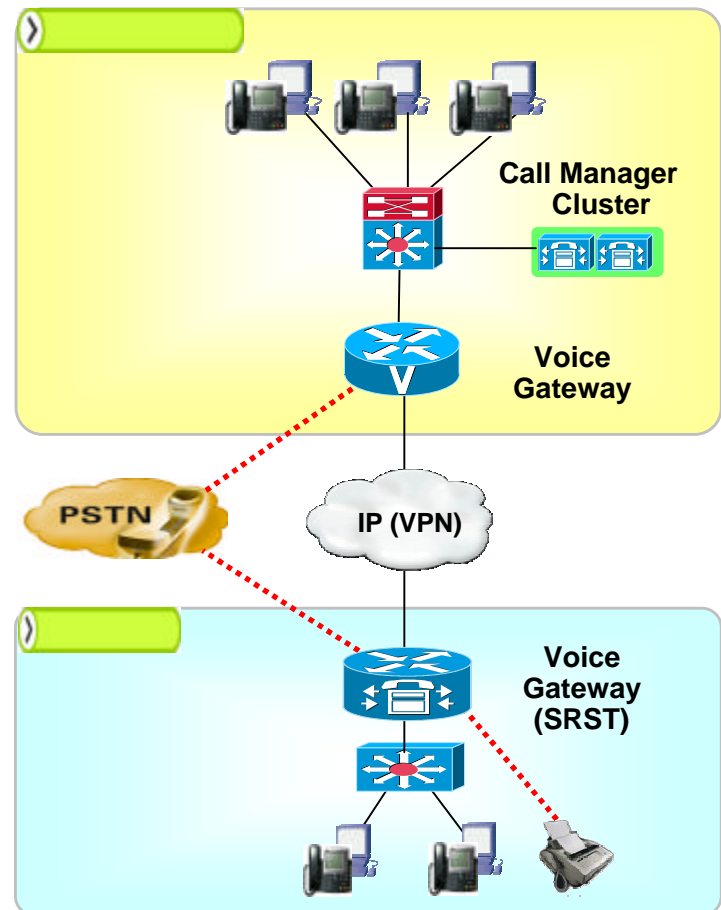
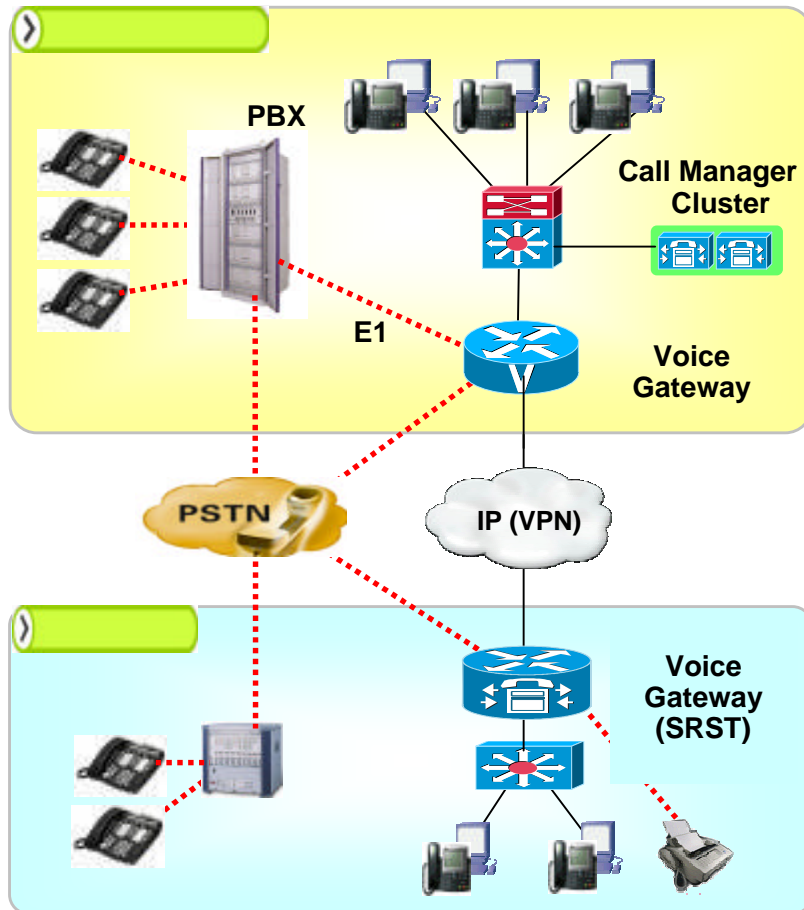
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**2005**



# PBX,

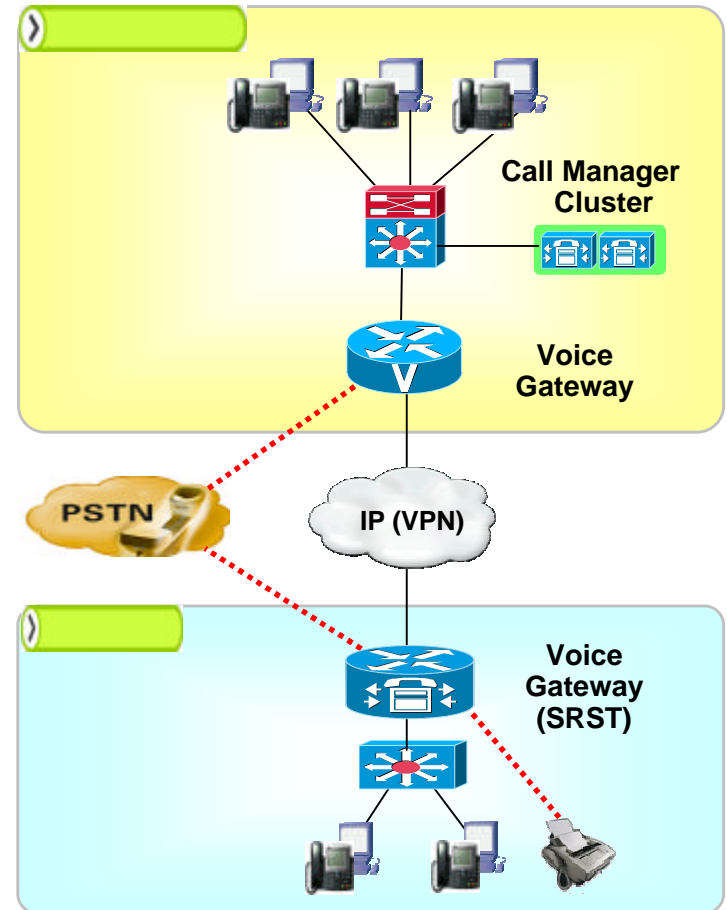
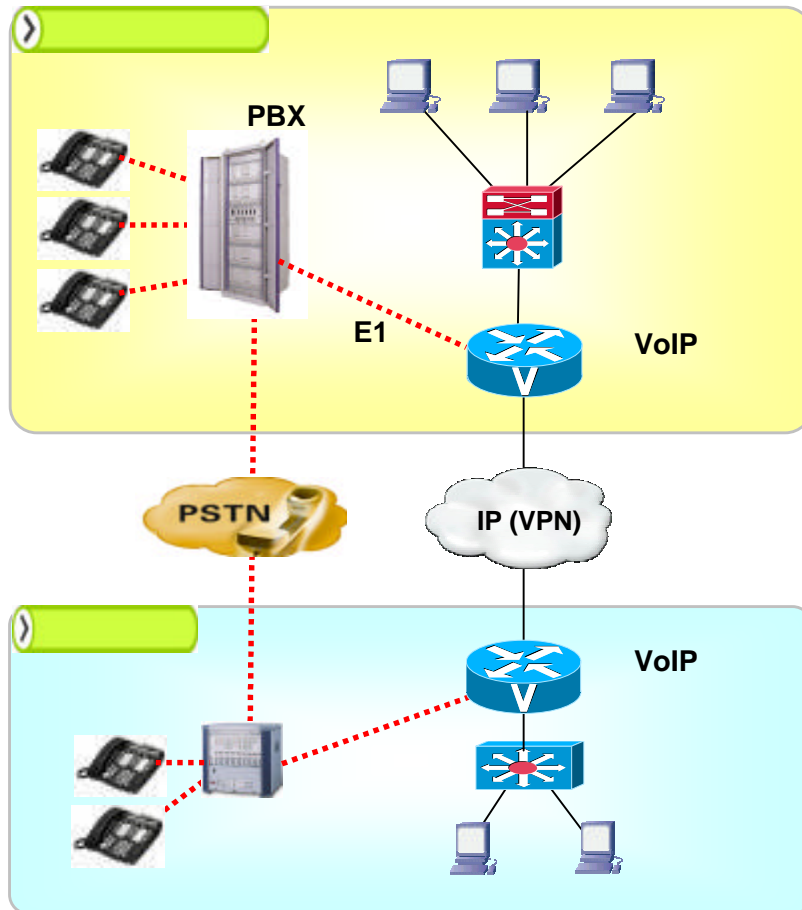
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**voicecomm**  
**2005**

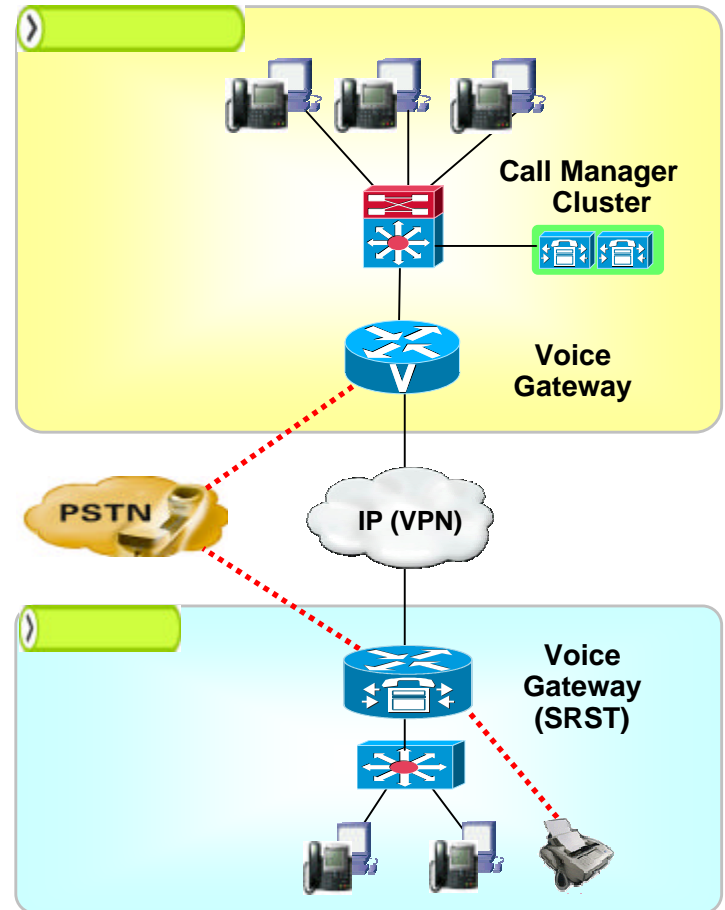
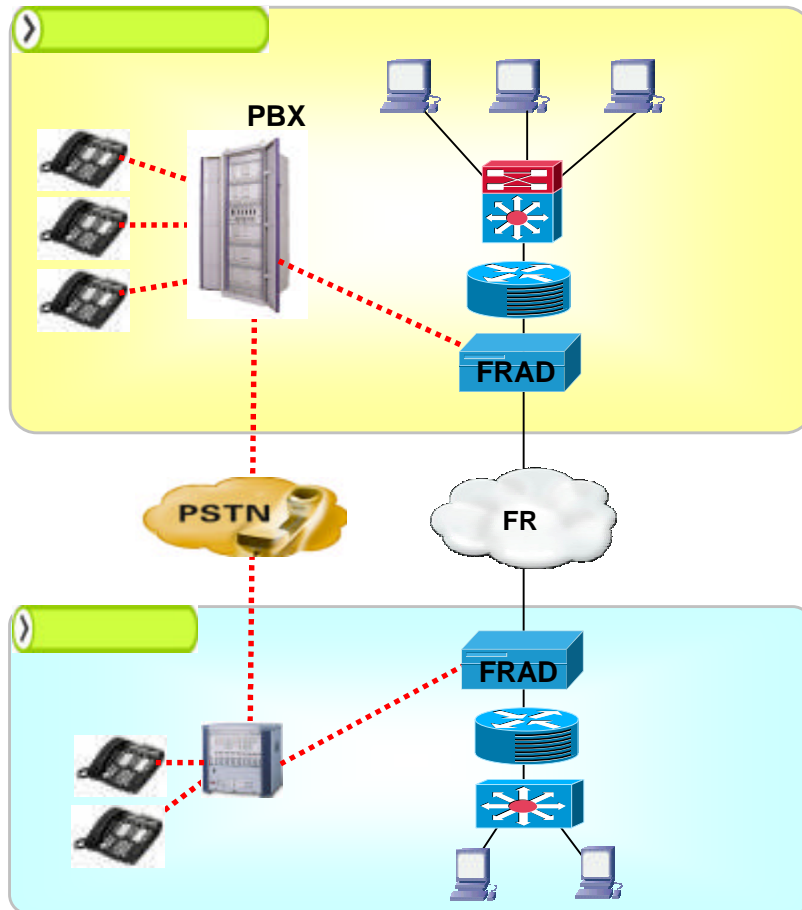




# VoIP

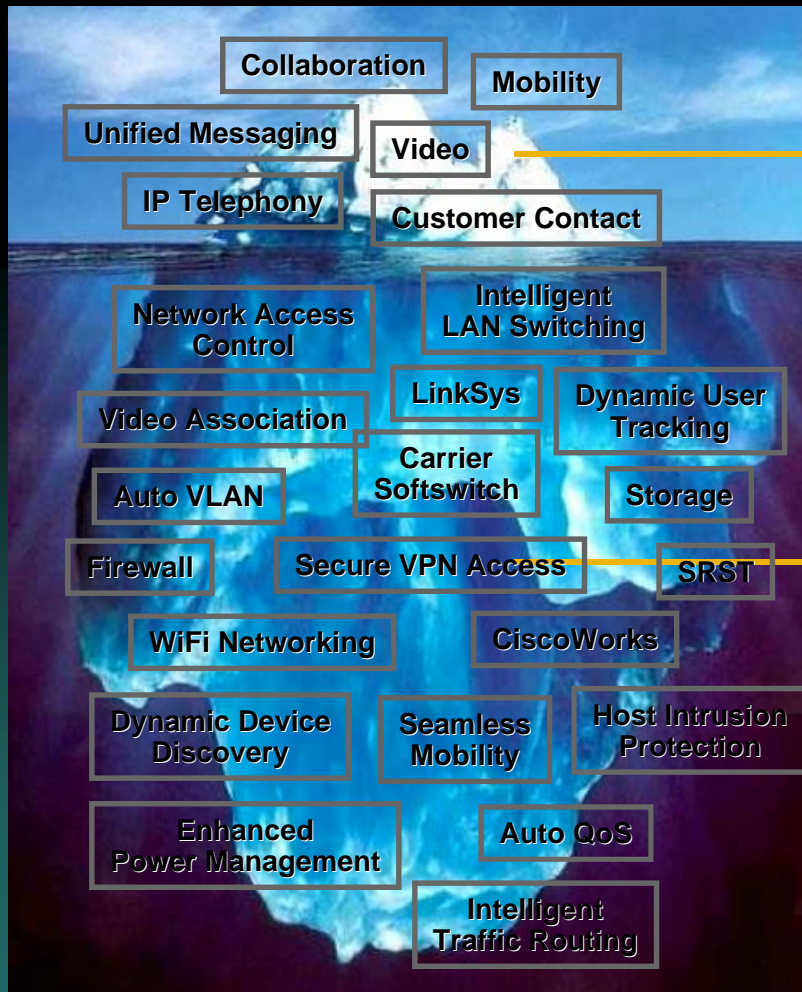


# Frame Relay



	PBX,	VoIP	Frame Relay
	<ul style="list-style-type: none"> <li>• , 가?</li> <li>• QoS ,</li> <li>• PBX, 가</li> <li>•</li> <li>• IPC</li> </ul> <p>(IPCC, Video Conference, Video Telephony, Mobility Solution)</p>	<ul style="list-style-type: none"> <li>• VoIP ( , )</li> <li>• 가 ,</li> <li>• QoS ,</li> <li>•</li> <li>• IPC</li> </ul> <p>(IPCC, Video Conference, Video Telephony, Mobility Solution)</p>	<ul style="list-style-type: none"> <li>• Frame Relay</li> <li>• Frame Relay IPC WAN, LAN</li> <li>•</li> <li>• IPC</li> </ul> <p>(IPCC, Video Conference, Video Telephony, Mobility Solution)</p>

# IP Communication



15%

85% Cisco  
***“The Intelligent  
Information  
Network”***

# CISCO SYSTEMS

