



- IP Communications

2005. 12. 07

Contents

IP Communications

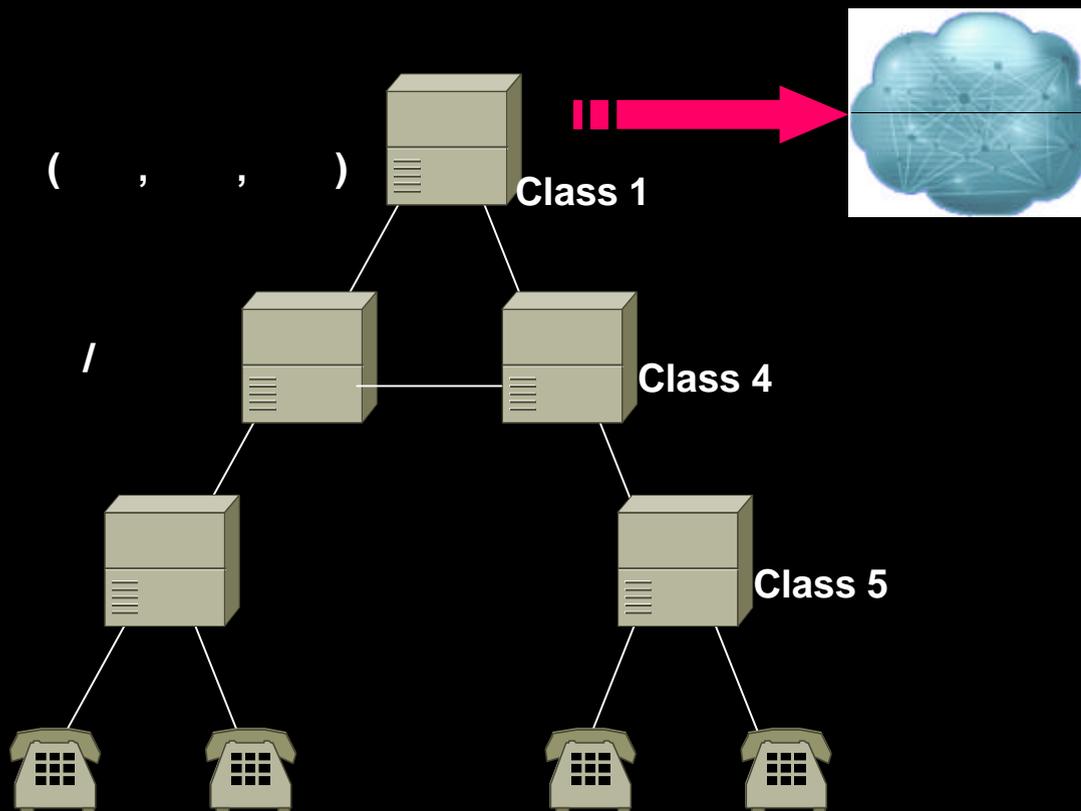
IP Communications

IPC Migration



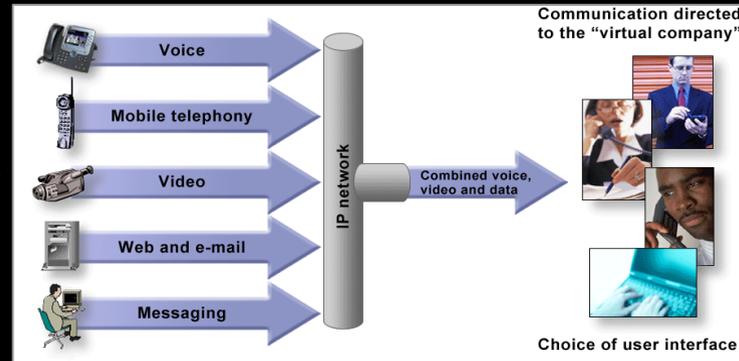
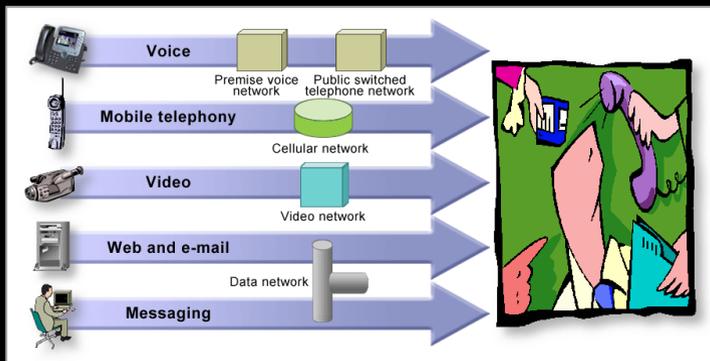
Part 1: IP Communications

IP Communications



IP Convergence

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- wav
- ()
- Outlook, Notes
- Web



가?

IT839

8

WiBro

- DMB
-
-
- RFID
- W-CDMA
- DTV
- (VoIP)

9

TV/

IT SoC

PC

SW

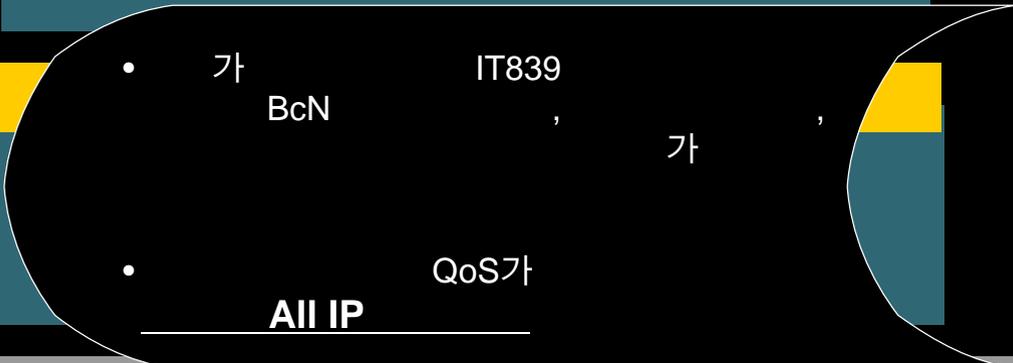
(DC) & Software

3

(BcN)

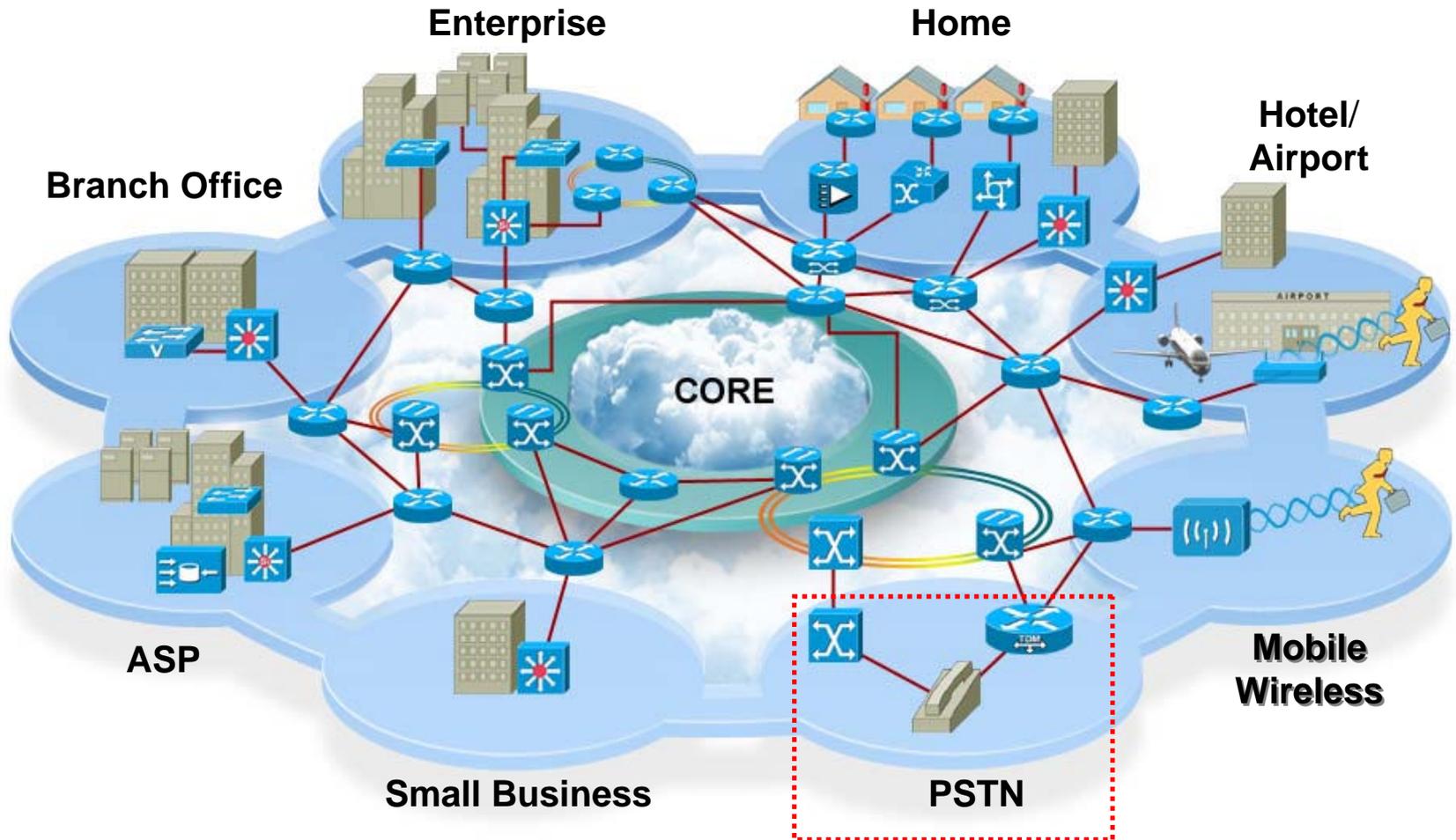
u- (USN)

(IPv6)



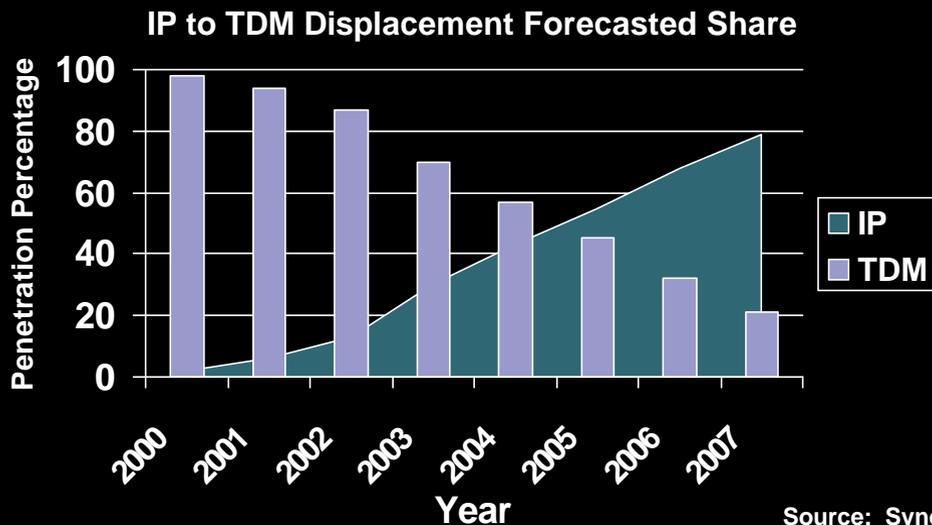
(NGN)

poweredbycisco.
voiccomm
2005



IP Telephony

IP-PBX 가



Source: Synergy Nov, 2003 & Infotech Q3 2003

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TDM

5

TDM

2007

PBX

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Gartner, March 2003

Part 2: IP Communications

IP Communications(IPC)

IPC

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IPC

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IPC PBX

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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

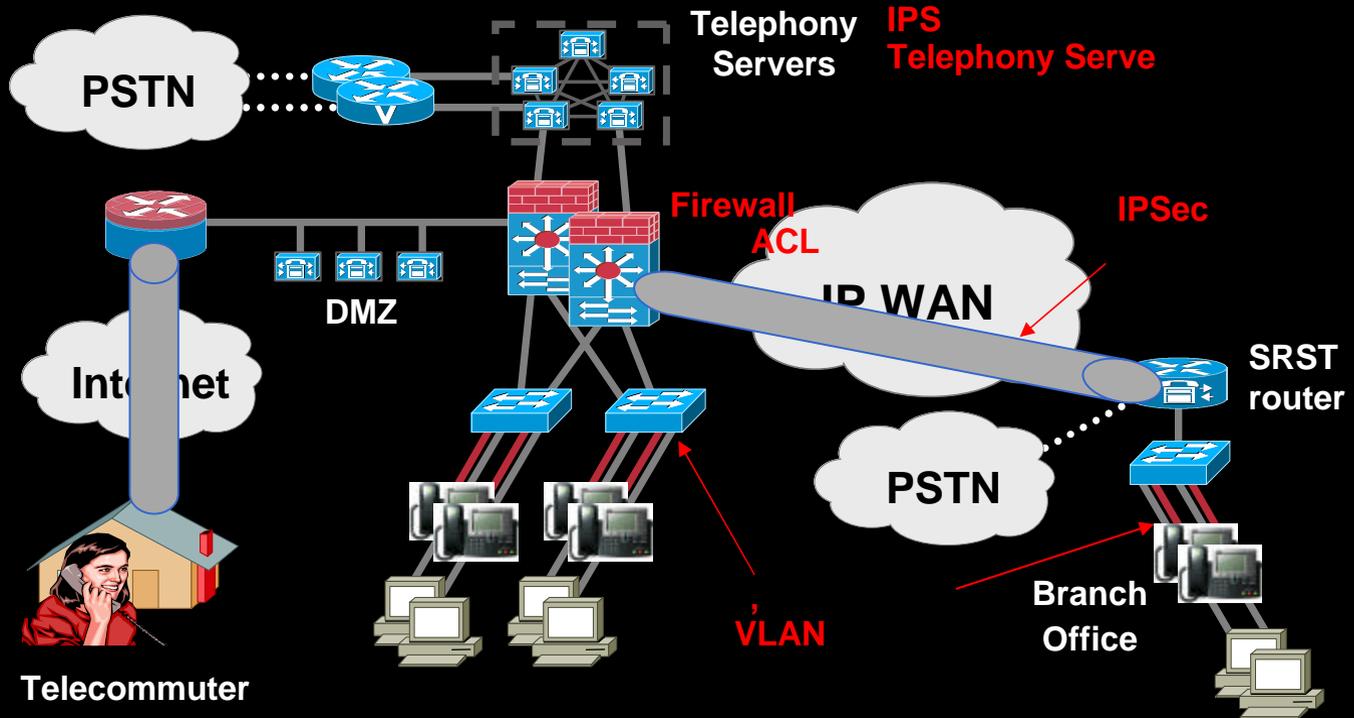
IPC

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- ,
- IPC

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IPC PBX



Enhanced

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

LDAP
Voice Portal()

(User Mobility)
(Unified Messaging)

Basic

(Hold)
(Transfer)

DID/DOD
(CDR)

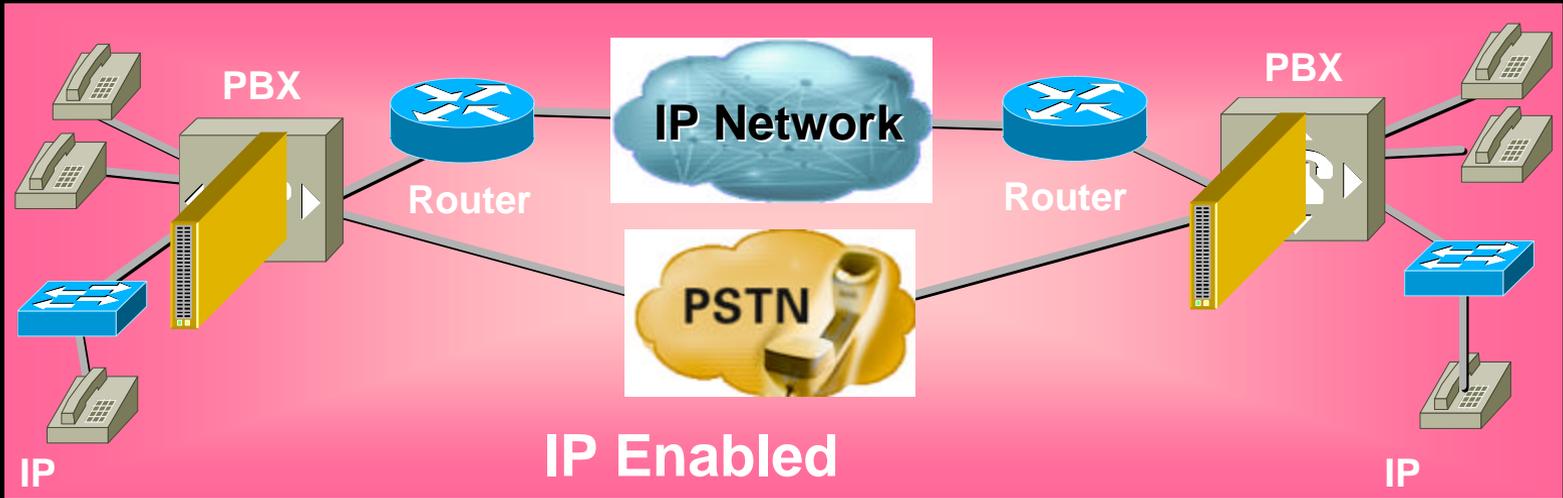
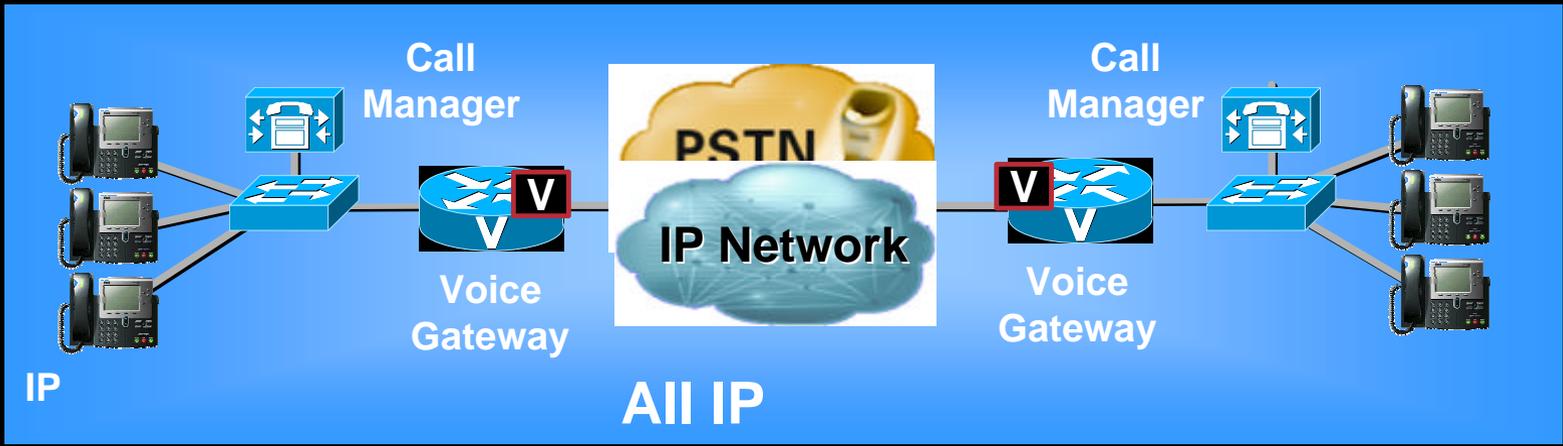
Legacy

IP

가

IP

2005

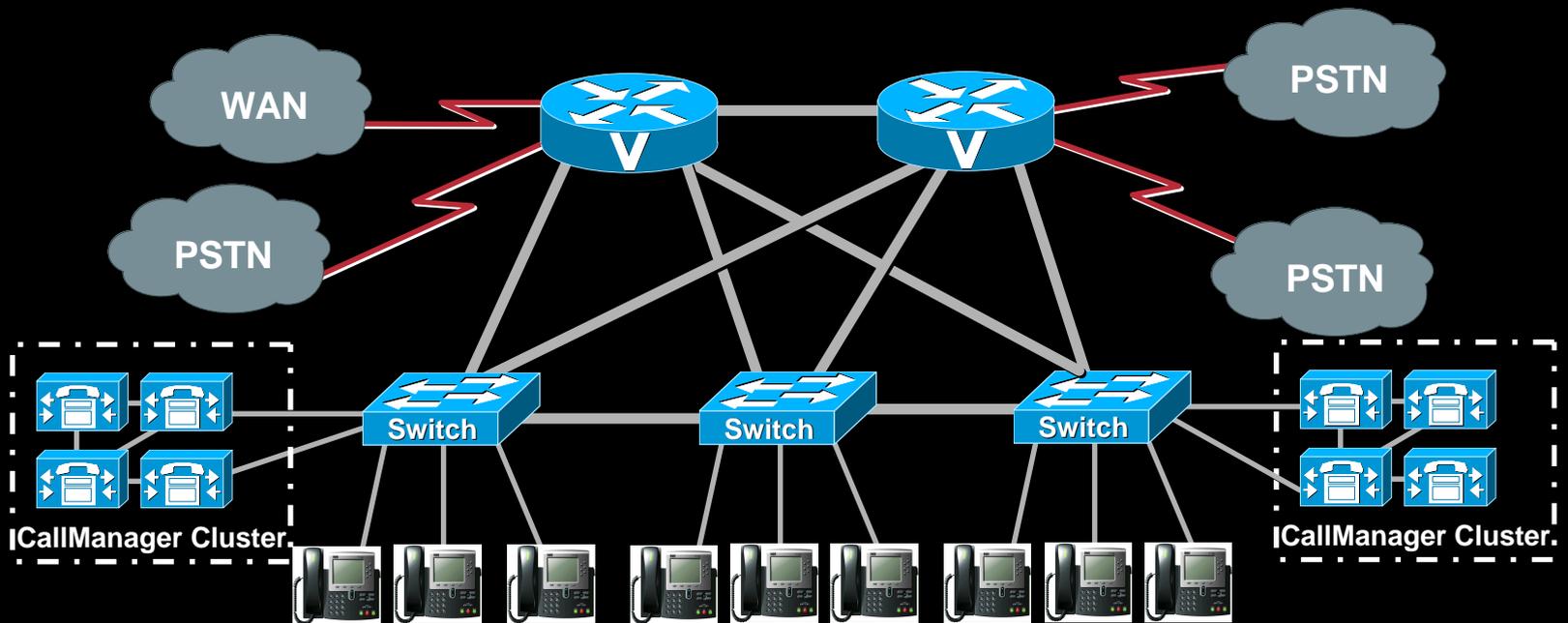


IPC

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-
-

ASP



99.999%

Product Reliability + Network Design + Redundancy

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

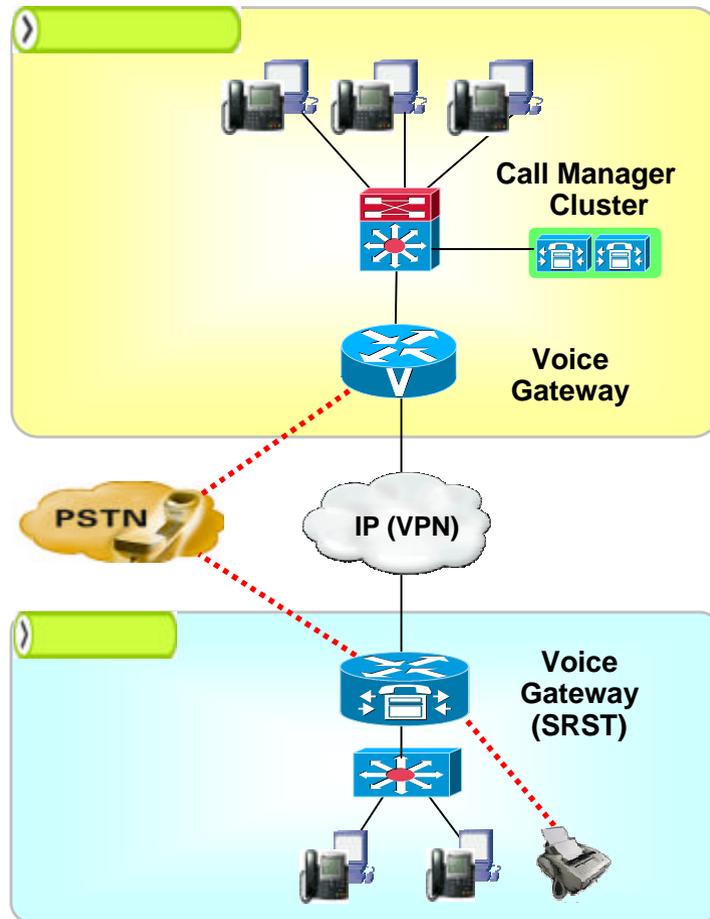
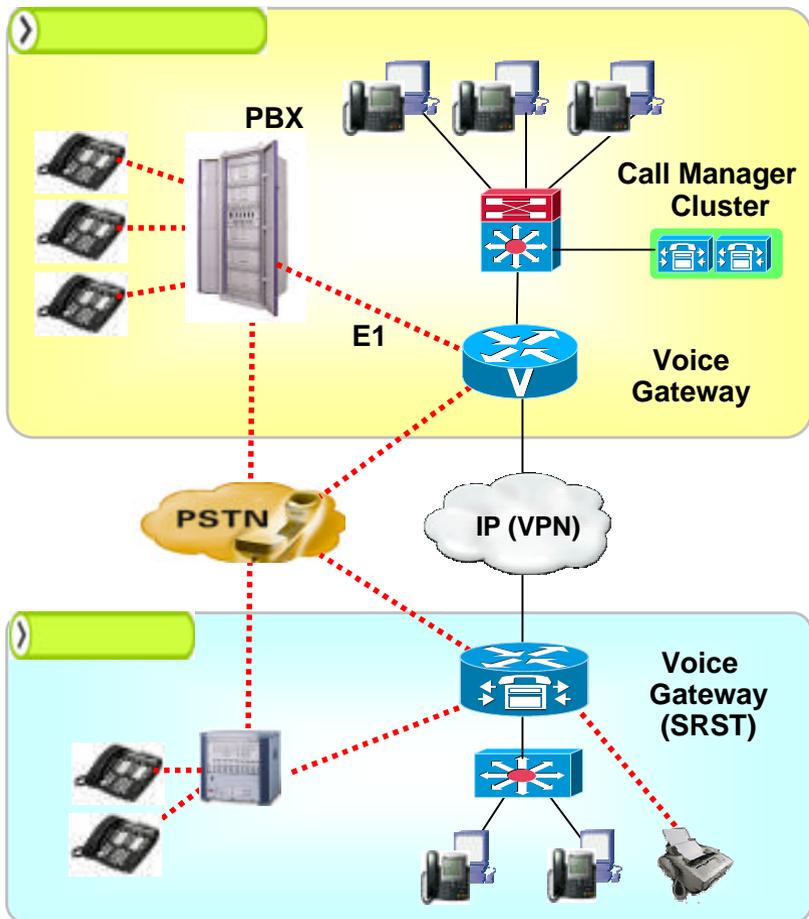


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MAC(Move, Add, Change)

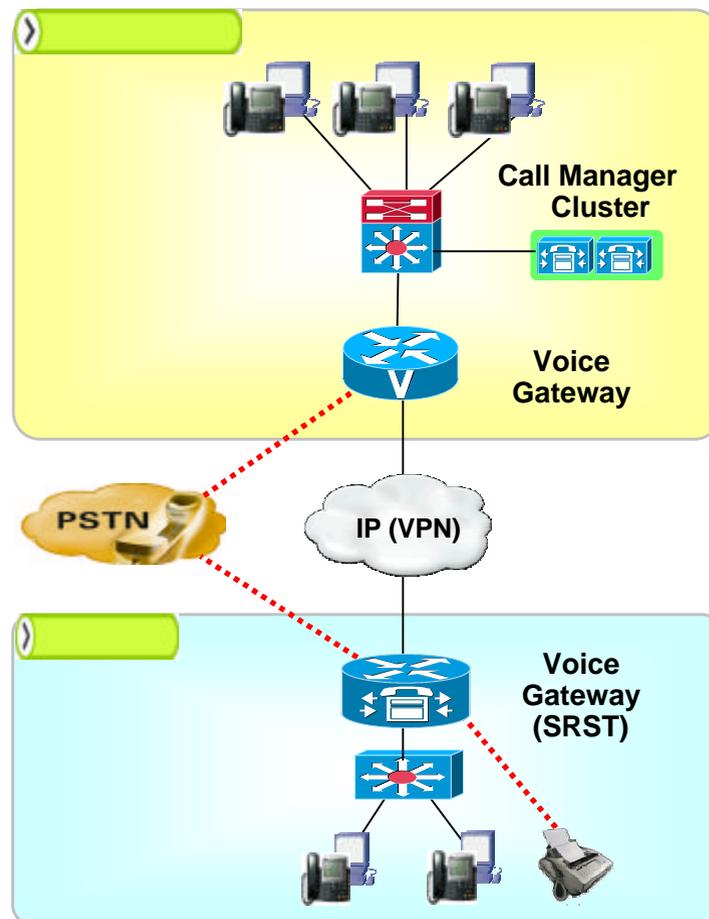
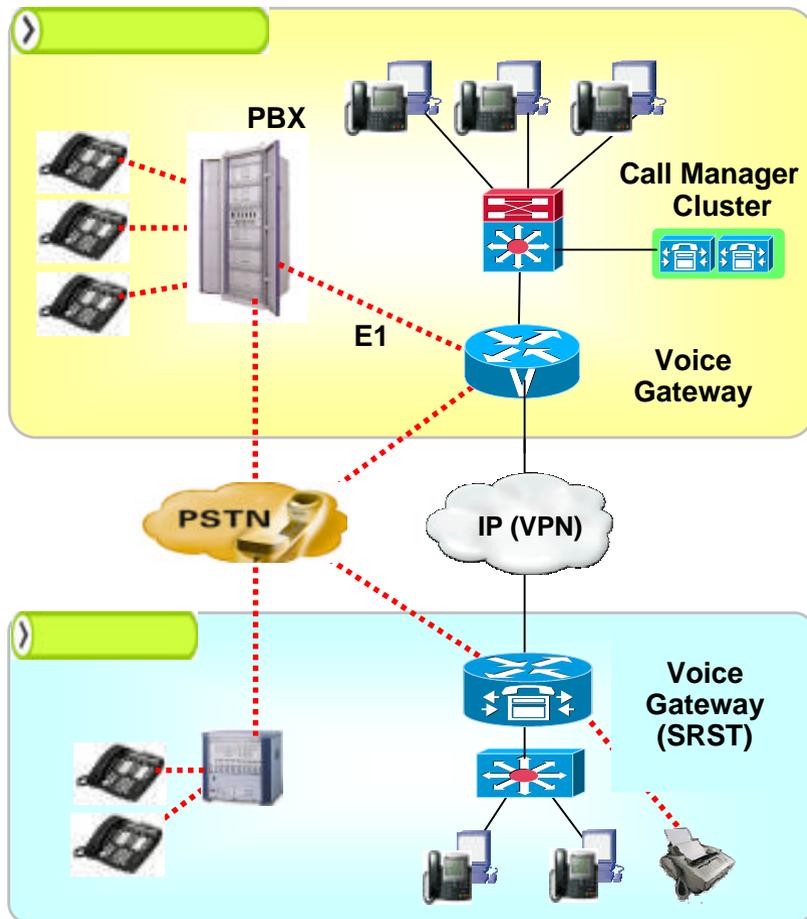
PBX,

(→)

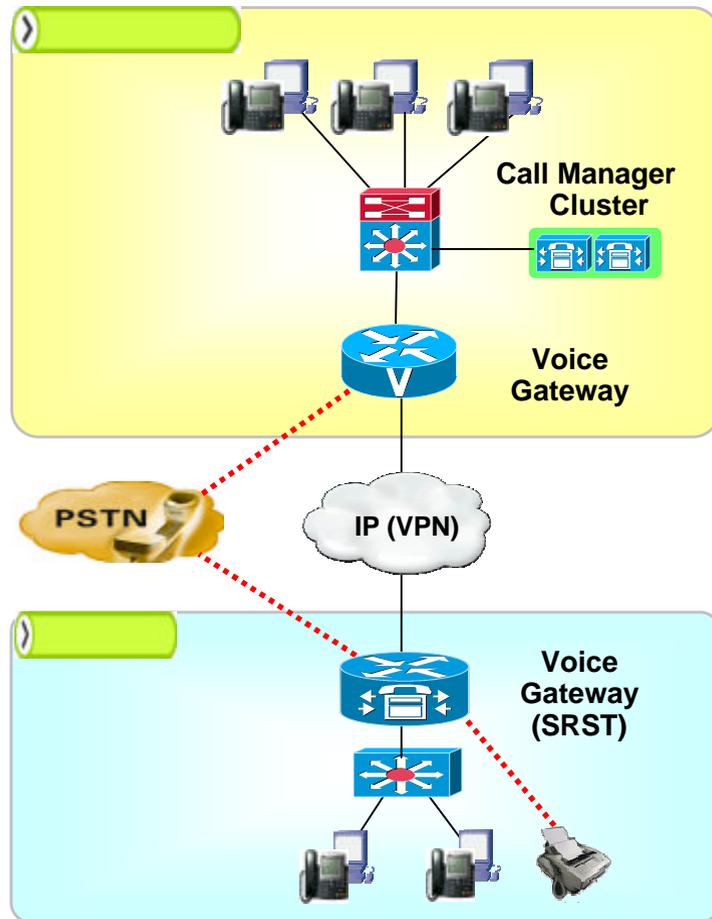
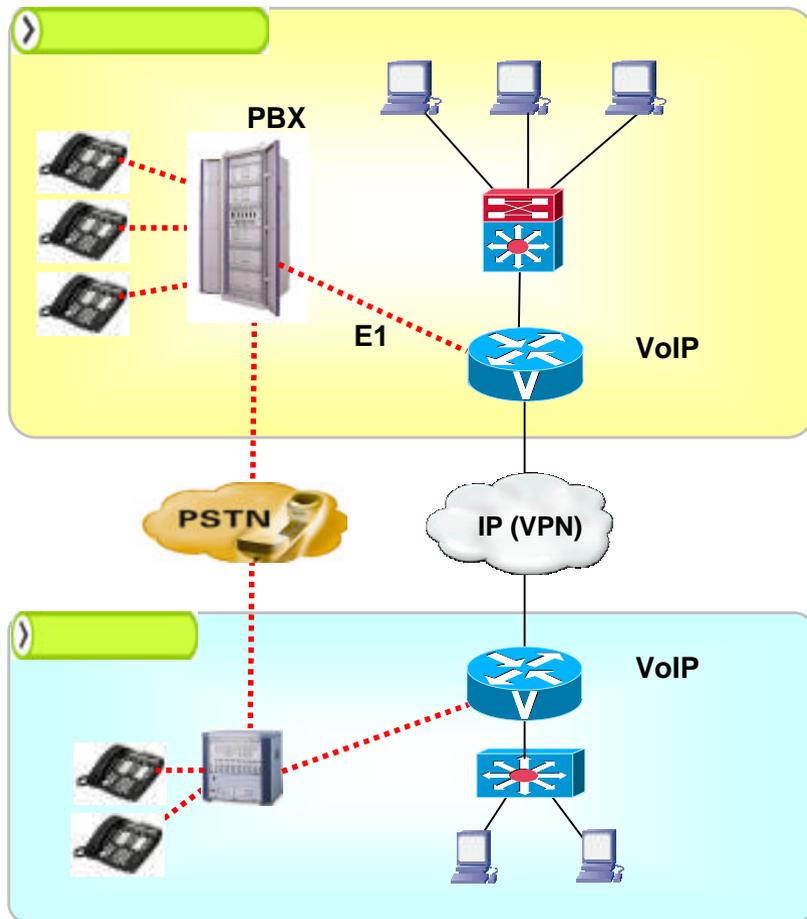


PBX,

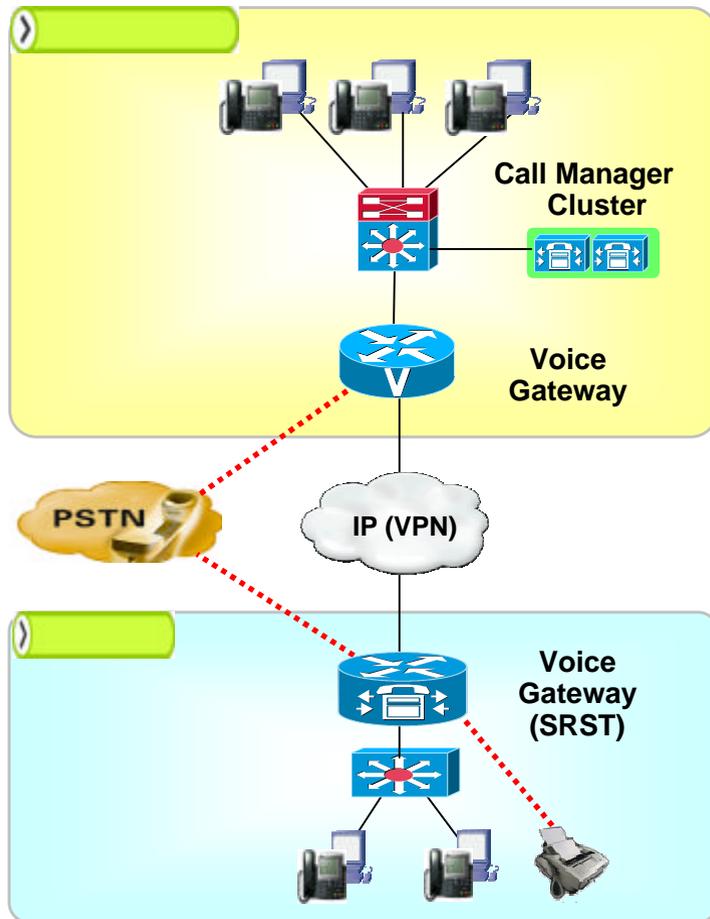
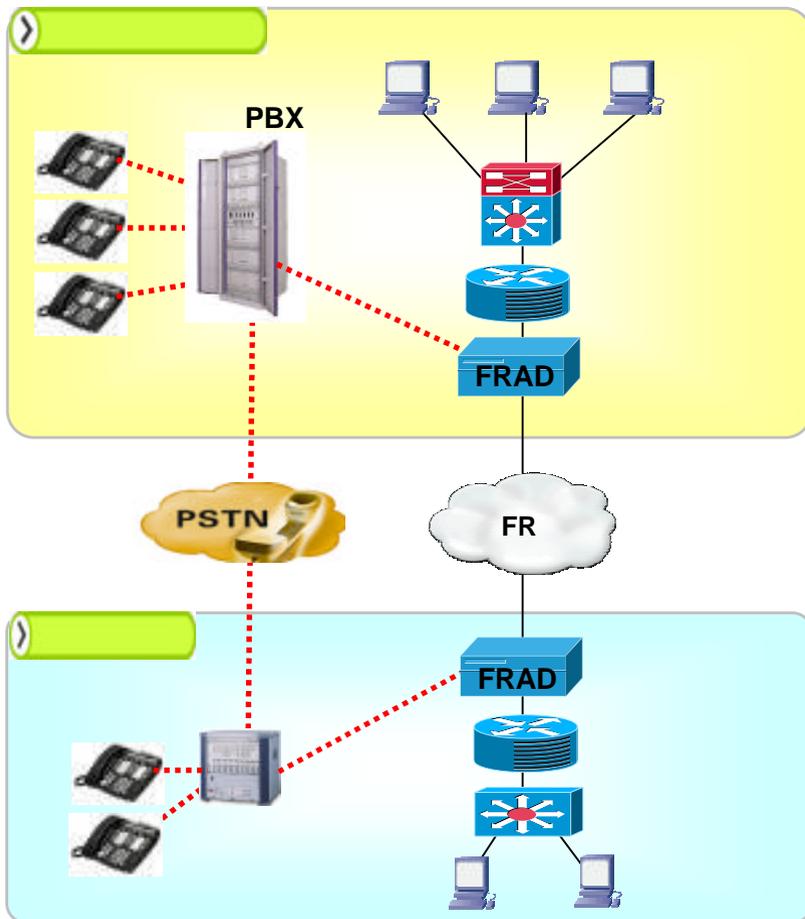
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VoIP

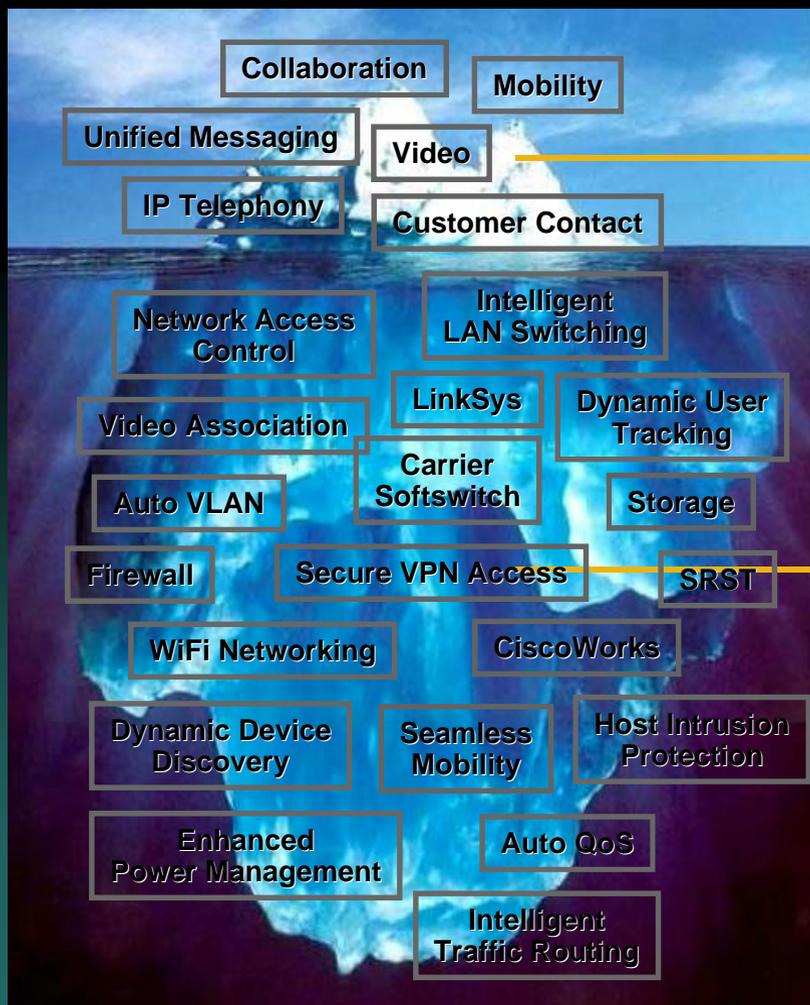


Frame Relay



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

IP Communication



15%

85% Cisco
“The Intelligent Information Network”

CISCO SYSTEMS

