



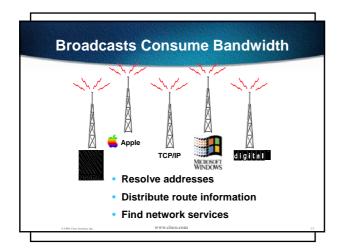
Layer 2 Sw	itering
0080 240A 99B0 Source Dest Packet Frame	Switching MAC Address Output Interface
0100 Case from the WWW.cksto.com	



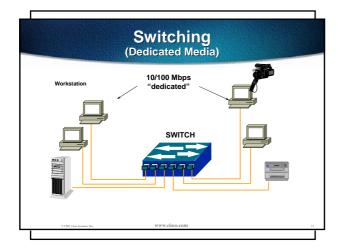
### **Early Warning Signs**

- Very slow file transfers
- Print server timeouts
- High hub utilization rates
- High collision rates
- Thinking about using multimedia

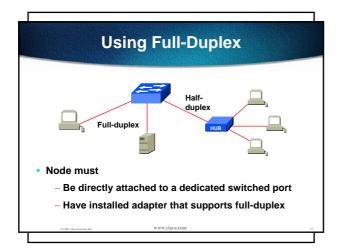




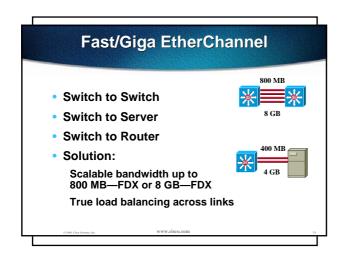


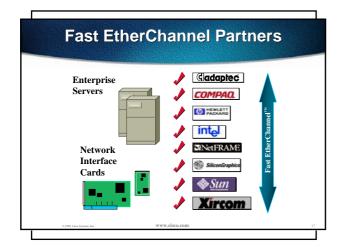




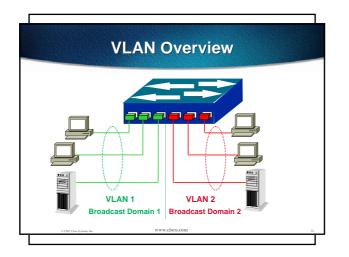








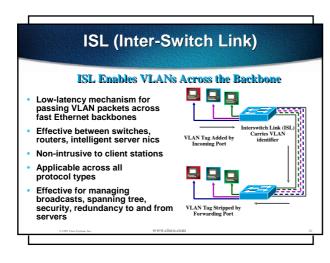


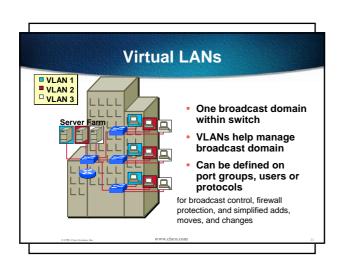


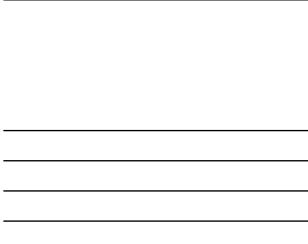


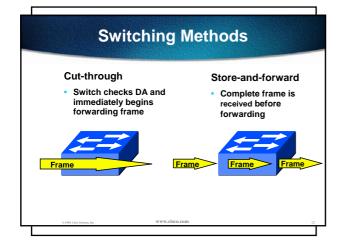
	In		vitch V Switch Lin			
		Cisc	o ISL Protoco	ol		
	DA	SA	VLAN Colour/ID	Data	CRC	]
VLAN1			Fast Ethernet	VLAN		
© 1999, Cist	n Systems, Inc.		www.cisco.com			19

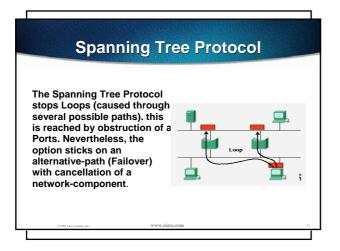






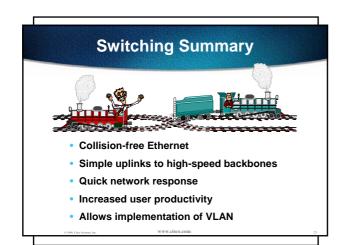






### **SPAN Port**

- A single port can be configured to monitor one, all, or any group of other switch ports
- Monitors traffic seen on the switch bus only
- Useful for an RMON probe or sniffer
- Uses configured switching mode

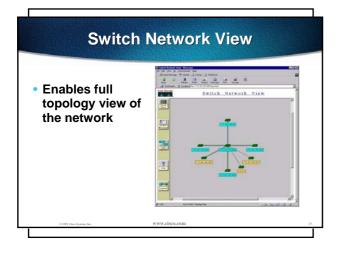




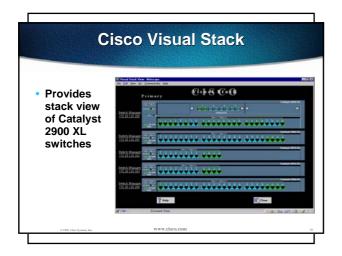


	Constraint of the second second In 19 (or ) is (constraint bin American of some glasse glassifier of a second second second second second second and a second second second second second second second second and a second s
Device management through Web-based Interface	Book and

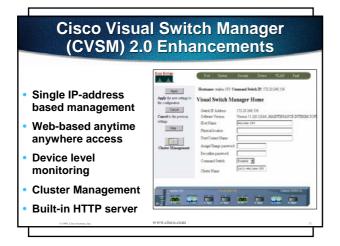


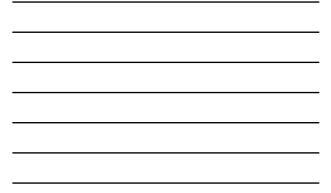


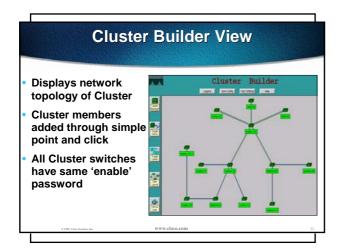


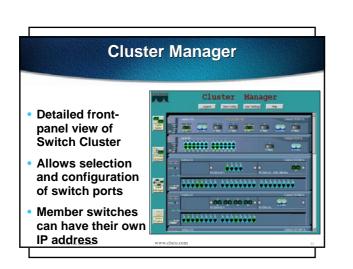








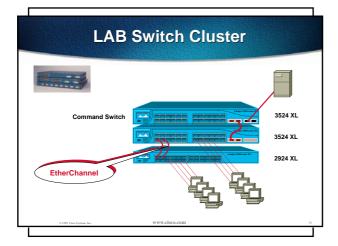




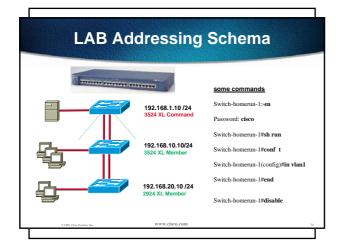


- Convenient software upgrade to multiple switches at a time
- Only similar switches can be upgraded as a group

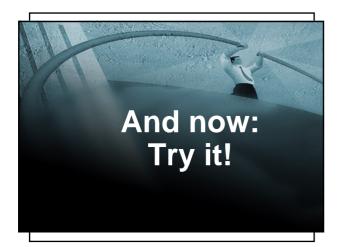
	TFTP: Corver IP Address:	171.71.112.21
	New IOS Image File Name:	c290006c3h2sma.tw
	F Retain Curren	IOS Image file name(s).
s a		x rtox/Cluster
	Update	Cancel Help
www.cis	co.com	34





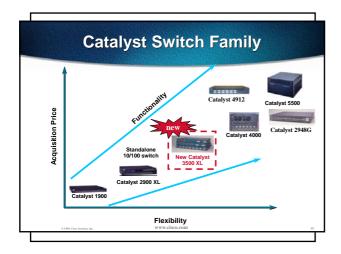




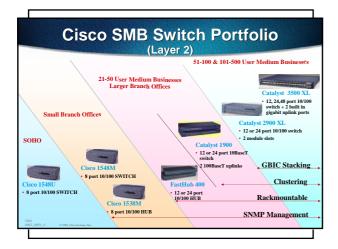




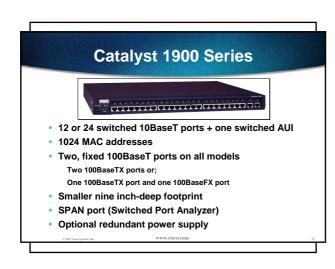


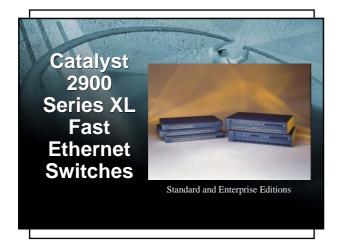


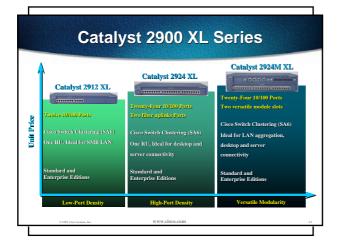




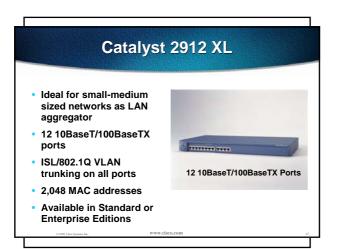






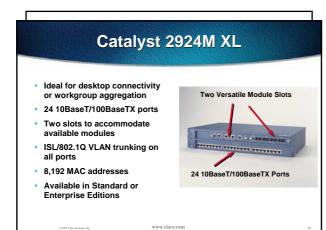








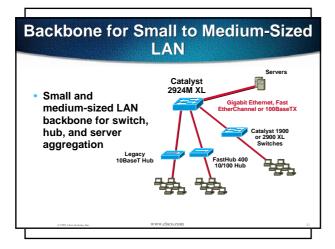




### **Versatile Modularity**

- Two versatile module slots (2924M XL and 2912MF XL)
- Optional ISL/802.1Q expansion modules: 4-port 10BaseT/100BaseTX switch module 2-port 100BaseFX switch module 4-port 100BaseFX switch module
- Gigabit Ethernet and ATM interface modules

# <section-header><section-header>Catalyst 29000M SL Modules• SL/802.1Q VLAN modules#port 10/100 TX module#port 100 TX modules, including:#User TX# Unimode fiber#ingle-mode fiber, medium reach (10Km)#ingle-mode fiber tong reach (40Km)#ingle-mode fiber tong r







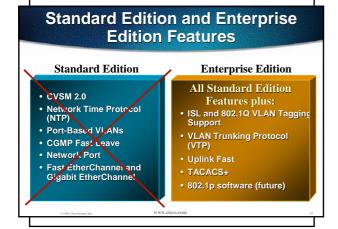
	Cata	The l alyst 350	New 0 XL Ser	ies
Unit Price	Caralyst 3512 XL Traday 10100 Ports Traday 10100 Ports Trad GBI Caralyst Ports Cites Switch Clustering Stackable, One RU Ideal for SMB	Cotalyst 3524 XL Transp.Foor 10100 Poor: Too GBIC-Based GE Poor: Cisco Switch Cisco Switch Cisco Switch Cisco RU Ideal for Desktop Comections	Catalyst 3548 XL Yemme Generation and State Porty-Eight 10/100 Ports Ports Ports Cisco Switch Clustering Stackable, One RU Ideal for Stack Aggregation Shandard and	Catalyst 350%G XL
	Standard and Enterprise Editions	Standard and Enterprise Editions Medium-Port Density	Standard and Enterprise Editions High-Port Density Switch	Gigabit Ethernet Switch



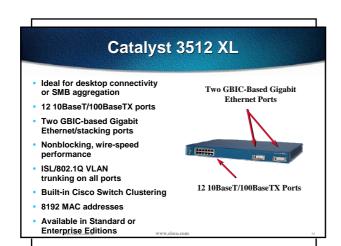
### Catalyst 3500 Series XL Product Line **Overview**

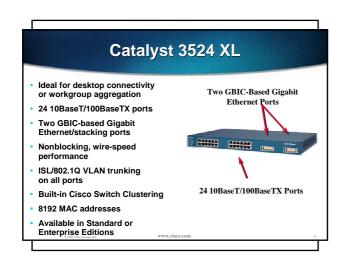
- Exceptional Performance: 10-Gbps switch fabric, 7.5 million pps forwarding rate
- Revolutionary Cisco Switch Clustering and flexible GigaStack<sup>™</sup> stacking technology
- Best-in-class management: Web-based Cisco Visual Switch Manager (CVSM 2.0) CiscoWorks 2000
- Cisco IOS software provides end-the and integration
  Lifetime Limited Warranty

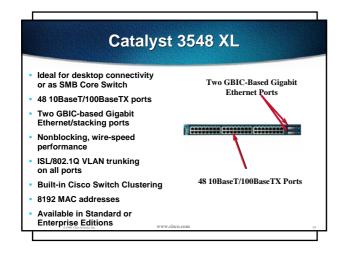
Lifetime Limited Warranty

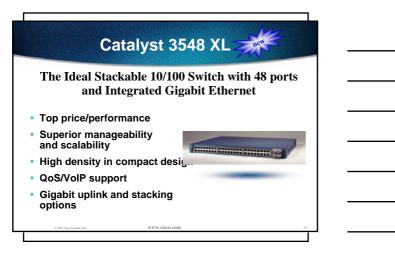


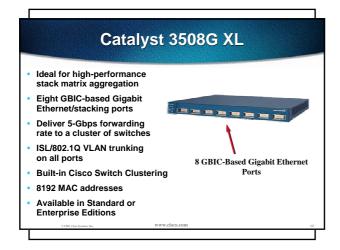












	isco/Nortel, 4 3 nterswitch Tra	8com) Throughp ffic	ut Test : No
Packet Size	Cat 3524XL	Nortel BayStack 450- 24T	3Com SuperStack 3300
64	1.58 Gbps	0.43 Gbps	1.08 Gbps
512	1.80 Gbps	1.43 Gbps	1.64 Gbps
1518	2.31 Gbps	1.34 Gbps	1.70 Gbps



### Catalyst 3500 Series XL Pricing

Product Number Base Models	Product Description	List Price SFr.
WS-C3512-XL-EN	Catalyst 3512 XL Enterprise Edition	4600.00
WS-C3524-XL-EN	Catalyst 3524 XL Enterprise Edition	5520.00
WS-C3548-XL-EN	Catalyst 3548 XL Enterprise Edition	9210.00
WS-C3508G-XL-EN	Catalyst 3508G XL Enterprise Edition	9210.00
WS-X3500-XL	GigaStack GBIC with 50cm stacking cable	461.00
© 1999, Circe Systems, Inc.	www.cisco.com	





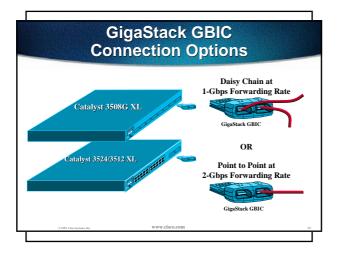
### **Cost-Effective Gigabit Uplinks**

- Cost-effective dual integrated GBIC ports
- Deployment flexibility
  SX, LX/LH, ZX, GigaStack

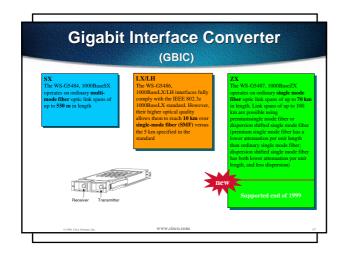


- 5.4 Gbps forwarding rate
- Gigabit EtherChannel
- Higher availability via uplink fast
  High-speed stack aggregation Catalyst 3508G XL

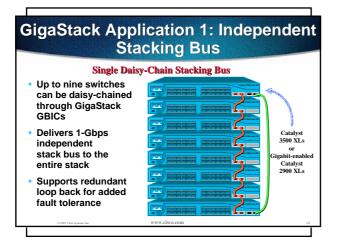
# <section-header><section-header><text><list-item><list-item><list-item><list-item><list-item></table-row>



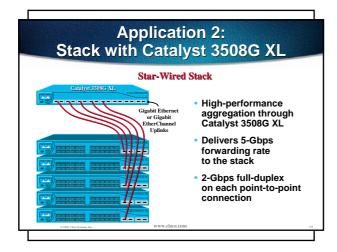


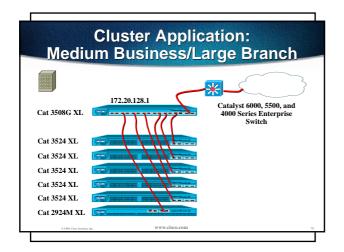




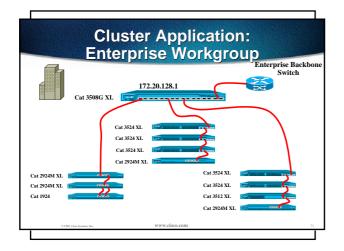




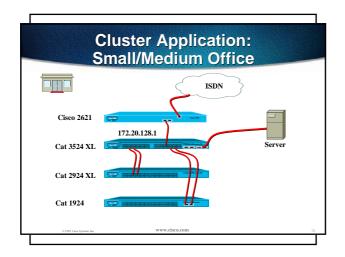




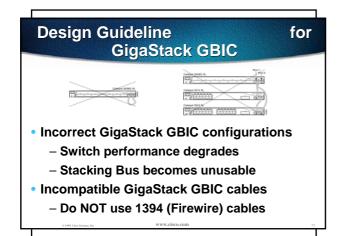


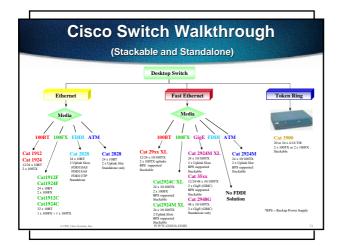




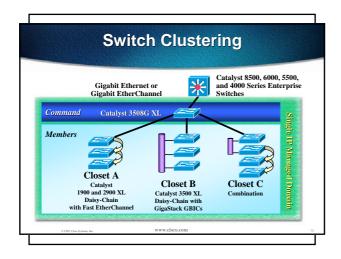




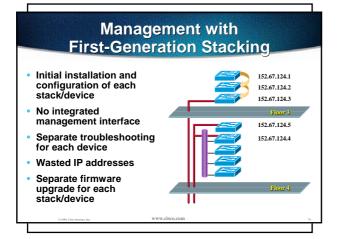


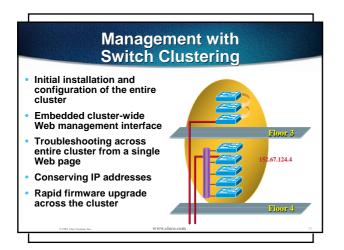








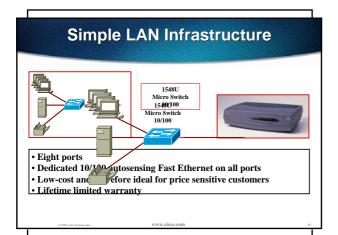




### Clustering Resolves Traditional Stacking Weaknesses

First-Generation Stacking	Cisco Switch Clustering
Physical Integration	Logical Integration
Limited to Single Wiring Rack	Location Anywhere on a LAN
Proprietary Interconnect	"Open" Interconnects
Limited Management Interface	Embedded Integrated Management Interface
4-8 Single IP Domain Size	Up to 16 Single IP Domain Size
Limited Stack Citizens	Broad Range of Cluster Members
No Investment Protection	Investment Protection and Future-Proofing
Fixed Price/Performance Point	Range of Price/Performance Options
© 1999, Ciava Systems, Inc. WWV	v.cisco.com





### Simple LAN Infrastructure

### Target customers:

Small office/home office (0-20) Little or no growth in user community expected Ease of installation & maintenance a requirement

• Provides your customer with:

"Cheap and Cheerful" basic LAN connectivity

	Sm	all Bi	ranch O	ffice L	_AN
		1538M icro Hub 10/100	1588M MMinini 46680-10/100 10/100 OR	Mic	
Mighaged  Mighaged	ormance I Web-base	nsing poitch d manageme d manageme	ent		
Support for	or port-base	d VLANs	www.cisco.com		

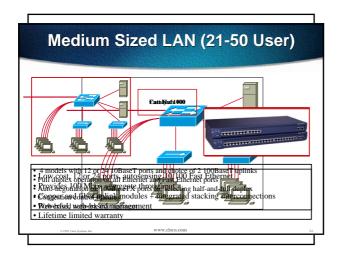
### **Small Branch Office LAN**

Target customers:

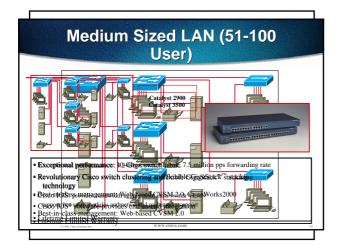
Branch office (0-20 users) Management from central site a requirement

Little or no growth in user community expected

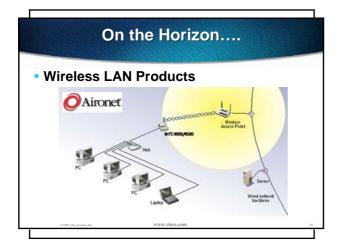
• Provides your customer with: High performance LAN at an ultra low cost











### **Wireless LAN Products**

- Cisco Acquires Aironet Wireless Comms
  1st Product under Cisco brand 4800
  Launch scheduled for early May
- For more information go to :
  www.aironet.com





