



# Upgrade to Catalyst 3750 & 3750-E



**Ramesh Bijor**  
**CMO – Network Systems Marketing**  
**Business Presentation**

# Overview

- Why Upgrade to Catalyst 3750 and 3750-E Series?
- Evolving the Network with the Business
- Why Cisco?

# Many customers are still using these legacy switches



Catalyst 1900



Catalyst 2900XL



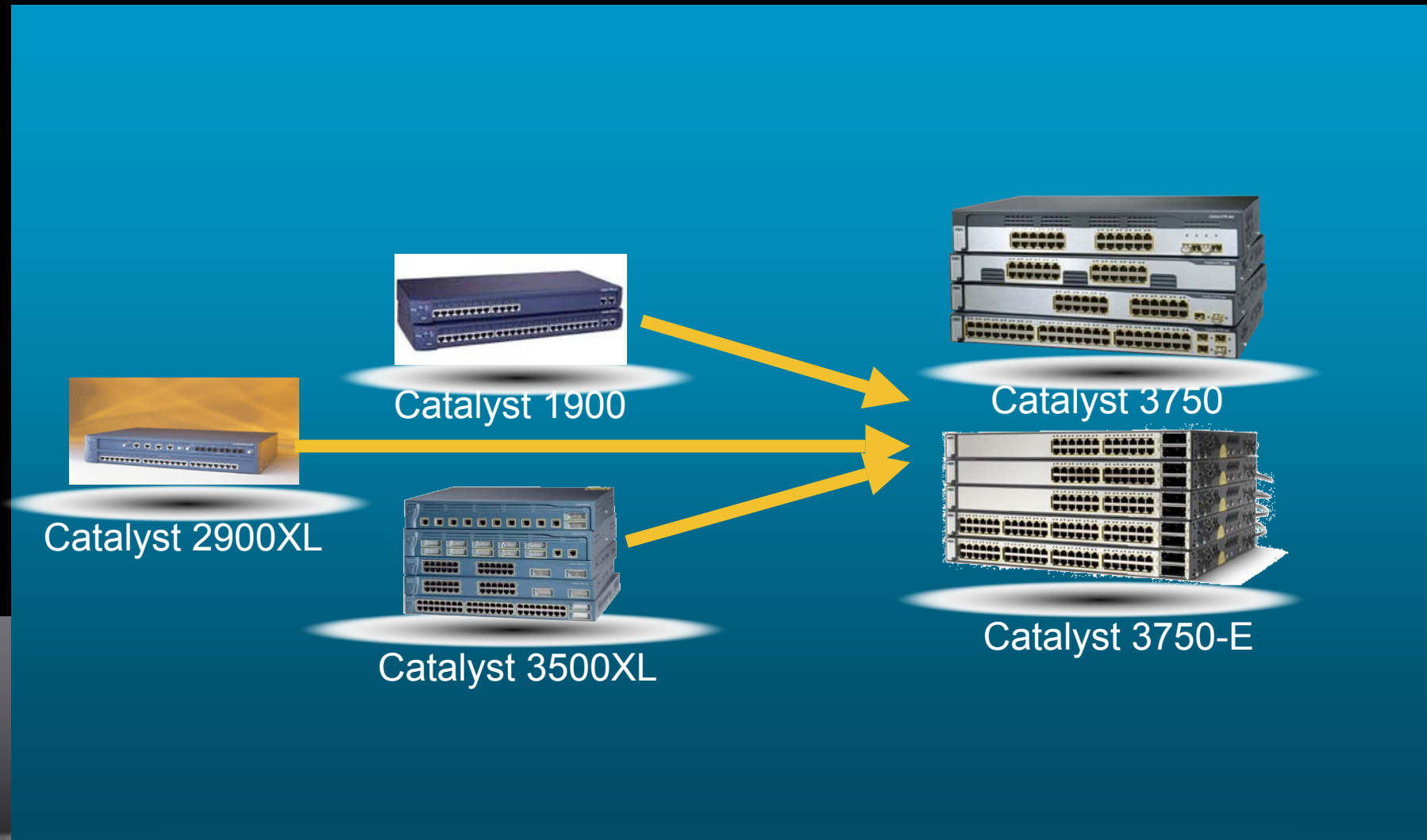
Catalyst 3500XL

- These switches have reached **End-of-Sale**
- Most have reached **End-of-Support**
- Service Contracts are not renewable
- Now is the time to upgrade the network to evolve with business demands

# Why Upgrade?

- Bandwidth demands are increasing
- Security threats are continuing to grow
- New business applications need support for voice, video & data
- Power over Ethernet (PoE) has become prevalent
- Network downtime can be very expensive
- End-of-Sale/End-of-Support put your network at hardware and software risk

# Upgrade to a new platform – Catalyst 3750/3750-E



# Catalyst 3750 & 3750-E Features

## Catalyst 3750

- Gigabit desktop connectivity
- Power over Ethernet
- StackWise technology – 32 G
- Layer 3 routing



**Catalyst 3750**

## Catalyst 3750-E

- Full Power over Ethernet on every port
- Enhanced PoE support for 802.11n devices
- Dual 10 Gig connectivity with TwinGig
- StackWise Plus Technology – 64 G
- Modular Power Supply and fans
- Includes all features of Catalyst 3750



**Catalyst 3750-E**

[www.cisco.com/go/catalyst3750](http://www.cisco.com/go/catalyst3750)  
[www.cisco.com/go/3750e](http://www.cisco.com/go/3750e)

**Convergence support. Performance. Future-proofing**

# Feature Comparison

Feature	C1900	C2900 XL	C3500 XL	C3750	C3750-E
PoE	No	No	3524-XL-PWR	Yes	Yes, Full PoE
Advanced QoS	No	No	No	Yes	Yes
Advanced Security	No	No	No	Yes	Yes
Advanced L3 Routing	No	No	No	Yes	Yes
StackWise	No	No	No	Yes, 32 G	Yes, 64 G
10 Gb	No	No	No	No	Yes
Removable power supply and fans	No	No	No	No	Yes

# Top Three Reasons to Deploy the Catalyst 3750-E

- **Power over Ethernet Scaling**

First switch in the industry to provide Class 3 PoE (15.4W) on all 48-ports



- **802.11n support**

ePoE supports Cisco Aironet 1250 Access Point, which increases wireless bandwidth up to 600 Mbps with improved wireless reliability



- **Increase Uplink bandwidth by 10 X**

Dual 10 Gig ports

Replace TwinGig adapter with a 10Gig module

10 seconds is all it takes!

Investment protection



**Innovation. Performance. Future-proofing**

# Business Needs Are Changing



Collaboration



Empowered User



SLA Metrics



Global Availability



Reg. Compliance

## New Business Pressures



## Operational Limitations

Rising Costs



Changing Traffic



Bandwidth Needs



Security Threats



Bus. Continuanace



# Align the Network with the Business

- React to Business Shifts
- Improve Customer Service
- Boost Worker Productivity

## Business Priorities

- Business Continuity
- Control Costs—Grow Revenue
- Ensure Privacy, Compliance

## Innovation

- Reduce Business Latency
- Speed Deployment
- Increase Collaboration

## Information Technology (The Network)

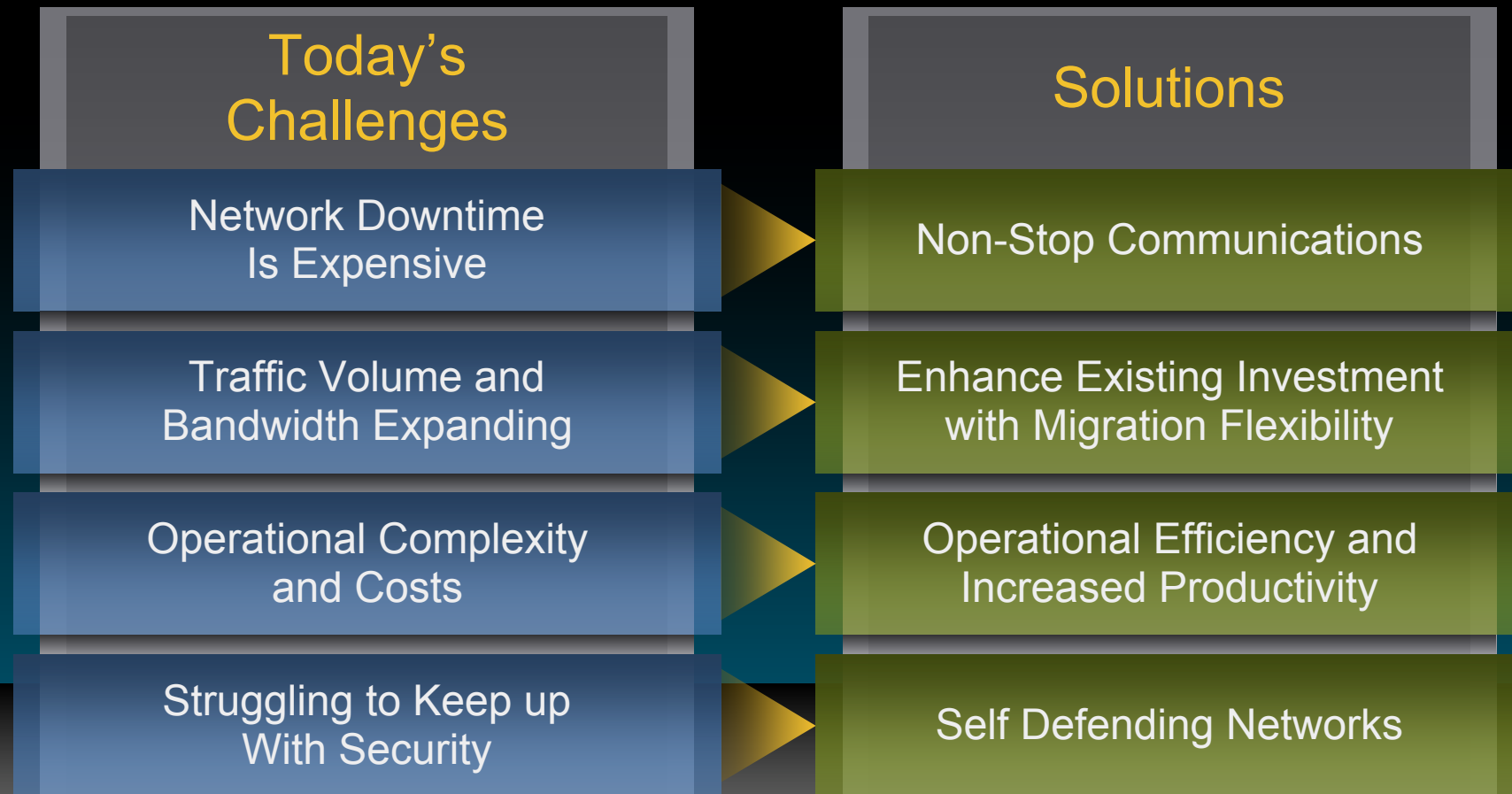
## Operational Excellence

- Protect/Utilize Assets
- Manage Risk/Compliance
- IT Productivity

# Evolving the Network with the Business



# Campus Access Challenges



# Cisco Catalyst 3750 Series Switches

- Innovative StackWise stacking technology allows integration with ISR 2800 and 3800 in the Branch
- Unified communications and wireless services
  - Integrated wireless controller
  - Quality of Service
  - Power over Ethernet
  - Intelligent power management
  - Redundant power supply support across the stack
- Simple deployment and configuration with Cisco Network Assistant
- Secure routing and switching with Fast, Gigabit and 10 Gigabit Ethernet interfaces



[www.cisco.com/go/catalyst3750](http://www.cisco.com/go/catalyst3750)

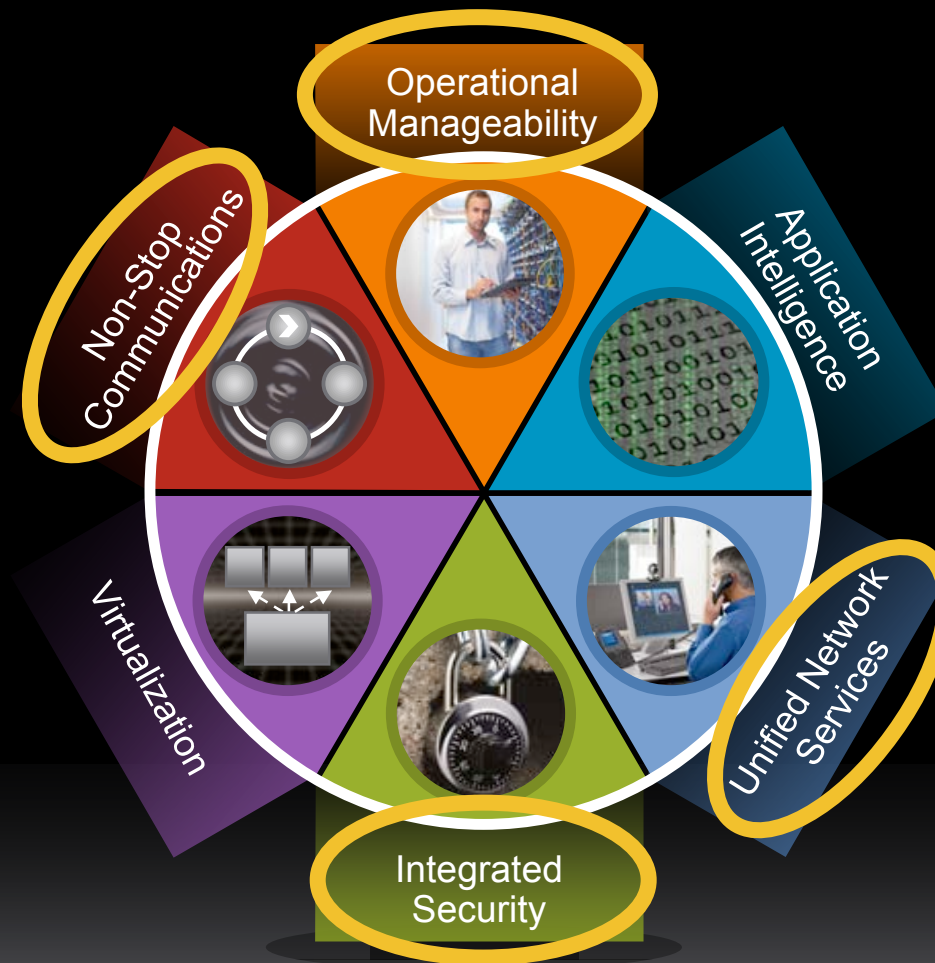
# Catalyst 3750-E and 3560-E Series Switches

- 24 or 48 10/100/1000 ports
- Two 10 Gigabit uplinks on all models
- 10 second 10 Gigabit upgrade with TwinGig converter module
- Full Class 3 (15.4W) Power over Ethernet support on all 48 ports
- Enhanced PoE support for 802.11n devices
- StackWise Plus: Backwards compatible, 64 Gbps and local switching
- Field replaceable power supply and fan
- Redundant power system 2300 support
- High performance IP routing

Innovative Stacking  
Sets New Standards  
for Resiliency and  
Management

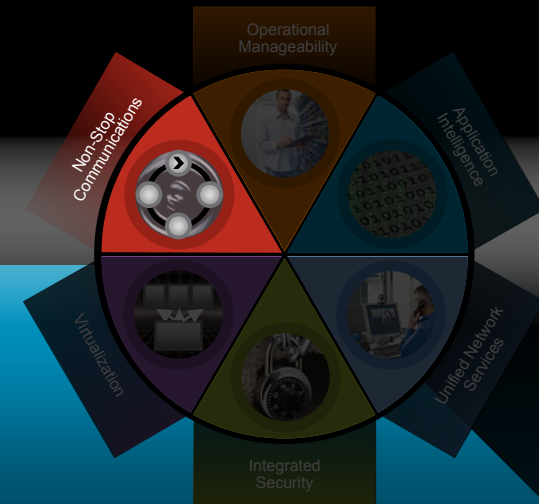


# Building on the Campus Communication Fabric



# Catalyst 3750-E Series

## Non-Stop Communications



### Business Problem

- Poor network reliability
  - Affects business process and transaction availability
  - Puts employee productivity, revenue, and profitability at risk

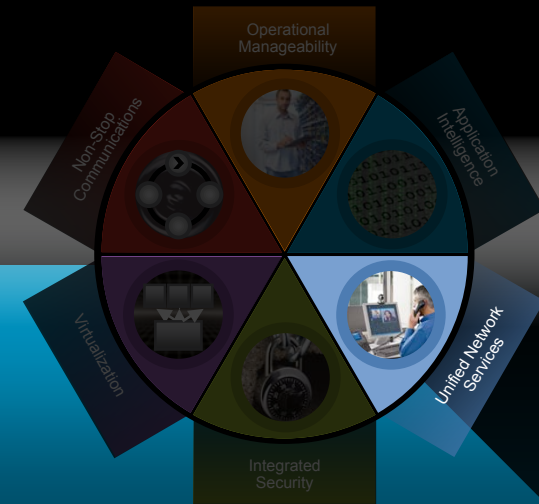
### Solution

- Sub 50 msec convergence
- Field replaceable power supply and fan
- Redundant power system 2300
- Online diagnostics

### Benefits

- Non-stop operations and application availability

# Catalyst 3750-E Series Unified Network Services



## Business Problem

- Inability of the network to evolve with the business
  - Lack of business flexibility
  - Poor return on investment
  - Business disruptions due to network upgrades

## Solution

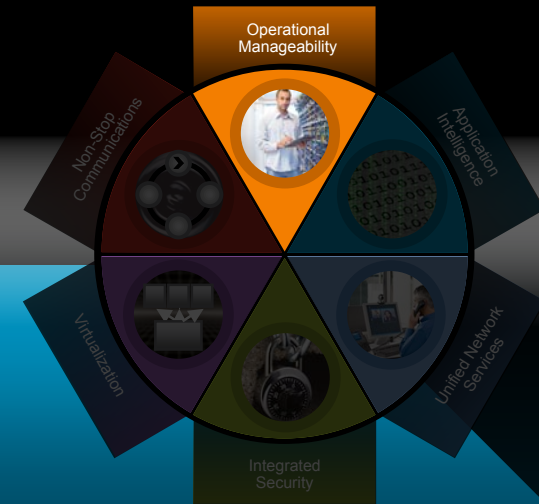
- Full 15.4W PoE on all 48 ports
- 10 second 10 Gig upgrade (TwinGig)
- Backwards compatible StackWise Plus (64Gbps)
- 24 or 48 10/100/1000 ports
- 2x10 Gig: all models
- Expandable power capacity

## Benefits

- Faster deployment for services and applications
- Maximized investment protection
- Flexibility

# Catalyst 3750-E Series

## Operational Manageability



### Business Problem

- High operational complexity and expense
  - Costly
  - Stall innovation and business progress

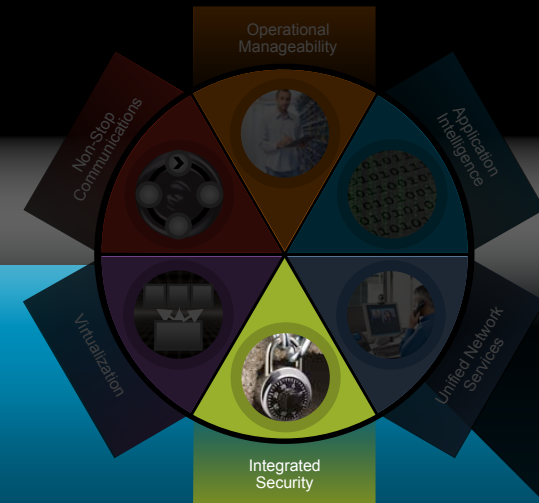
### Solution

- Management simplicity with StackWise Plus
- Generic On-Line Diagnostics (GOLD)
- Intelligent power management
- Out-of-band management
- Robust CiscoWorks
- Cisco Smartports

### Benefits

- Simplified manageability
- Ensures continuous proper operation
- Fast and easy configuration

# Catalyst 3750-E Series Integrated Security



## Business Problem

- Security threats continue to grow
  - Risks intellectual property loss
  - Lowers employee productivity

## Solution

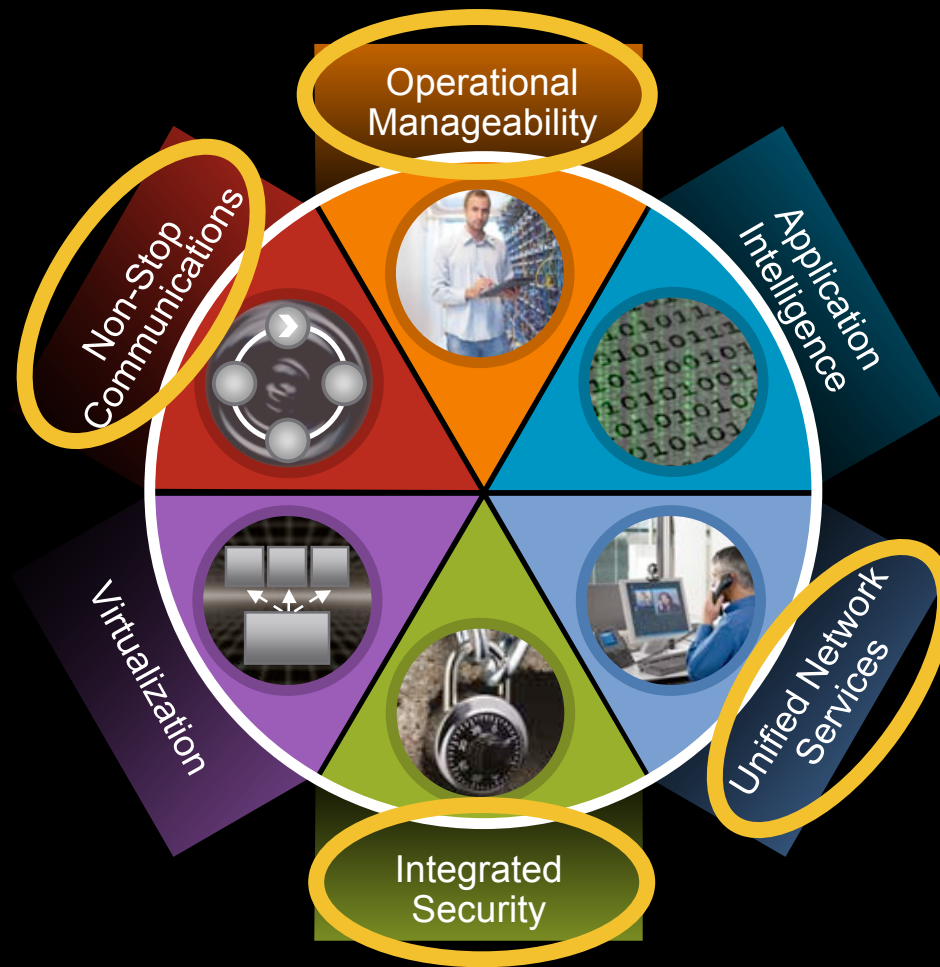
- Supports NAC
- Identity Based services - 802.1x and extensions
- Catalyst Integrated Security Framework (CISF)
- Unicast Reverse Path Forwarding (RPF)
- Secure Management
- Port, L2, IPv4, and IPv6 based ACLs

## Benefits

- Business continuity
- Company reputation

# Why Cisco?



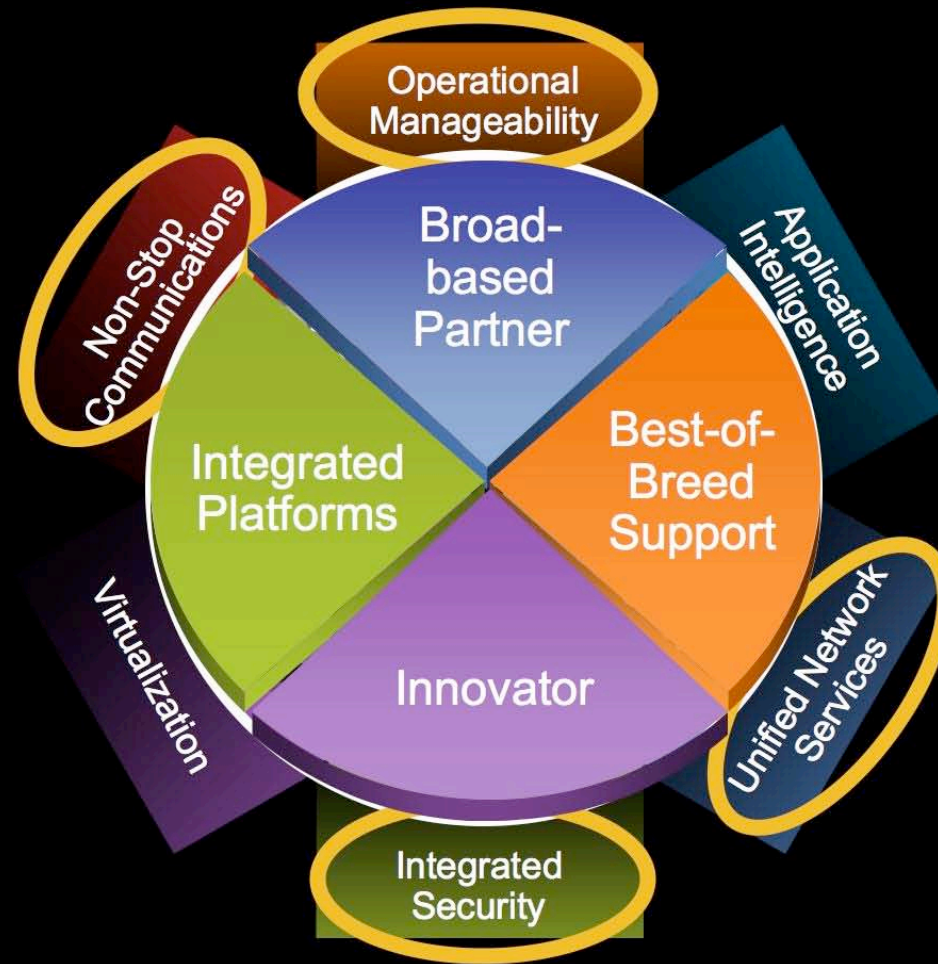


# Catalyst 3750-E Advantage

Flexibility and Investment Protection

# The Cisco Advantage

## Moving Your Network and Business Forward



Catalyst 3750-E Advantage

Flexibility and Investment Protection

# This Changes Everything

**Welcome to a  
network where...**

**...Businesses transform themselves  
...Network Systems makes it all possible**

**Welcome to  
the human network**

