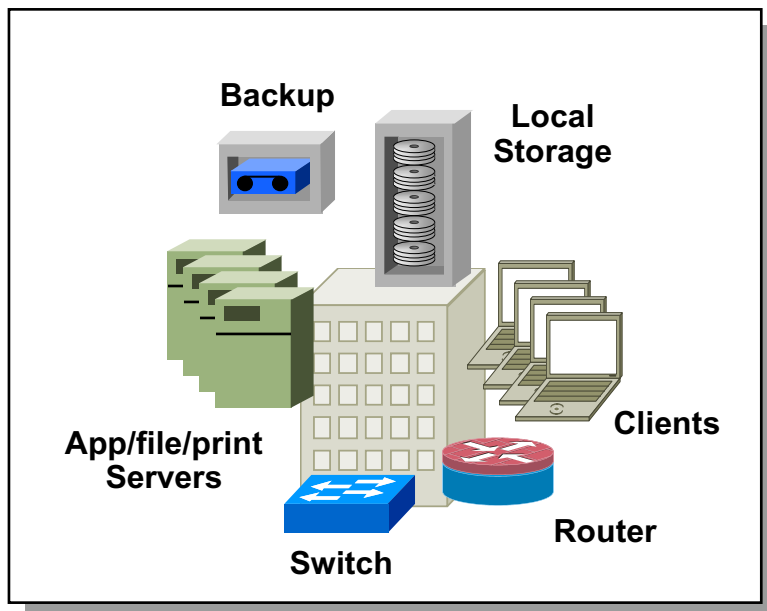




Cisco Wide Area Application Services (WAAS)

**“Changing the way enterprises will design
and consolidate branch offices”**

Today: Branch Office IT Issues



- **Application performance**
 - Bandwidth limitations
 - Latency / jitter / chattiness
 - End user experience
- **Infrastructure cost / complexity**
 - File, print & email servers
 - Storage & backup
 - WAN bandwidth
- **Data protection**
 - Failing backups / lost data
 - Costly off-site vaulting
 - Compliance

Cisco WAAS

- **Comprehensive feature set**
 - Wide range of application acceleration
 - WAN optimization
 - Wide Area File Services / print server
- **Seamless network integration**
- **Combination software/hardware**
 - Transport & Enterprise versions
 - WAE appliances
- **Complete end-to-end solution**
 - WAAS + IOS + load balancing

Data Center



WAE-7326

WAE-612



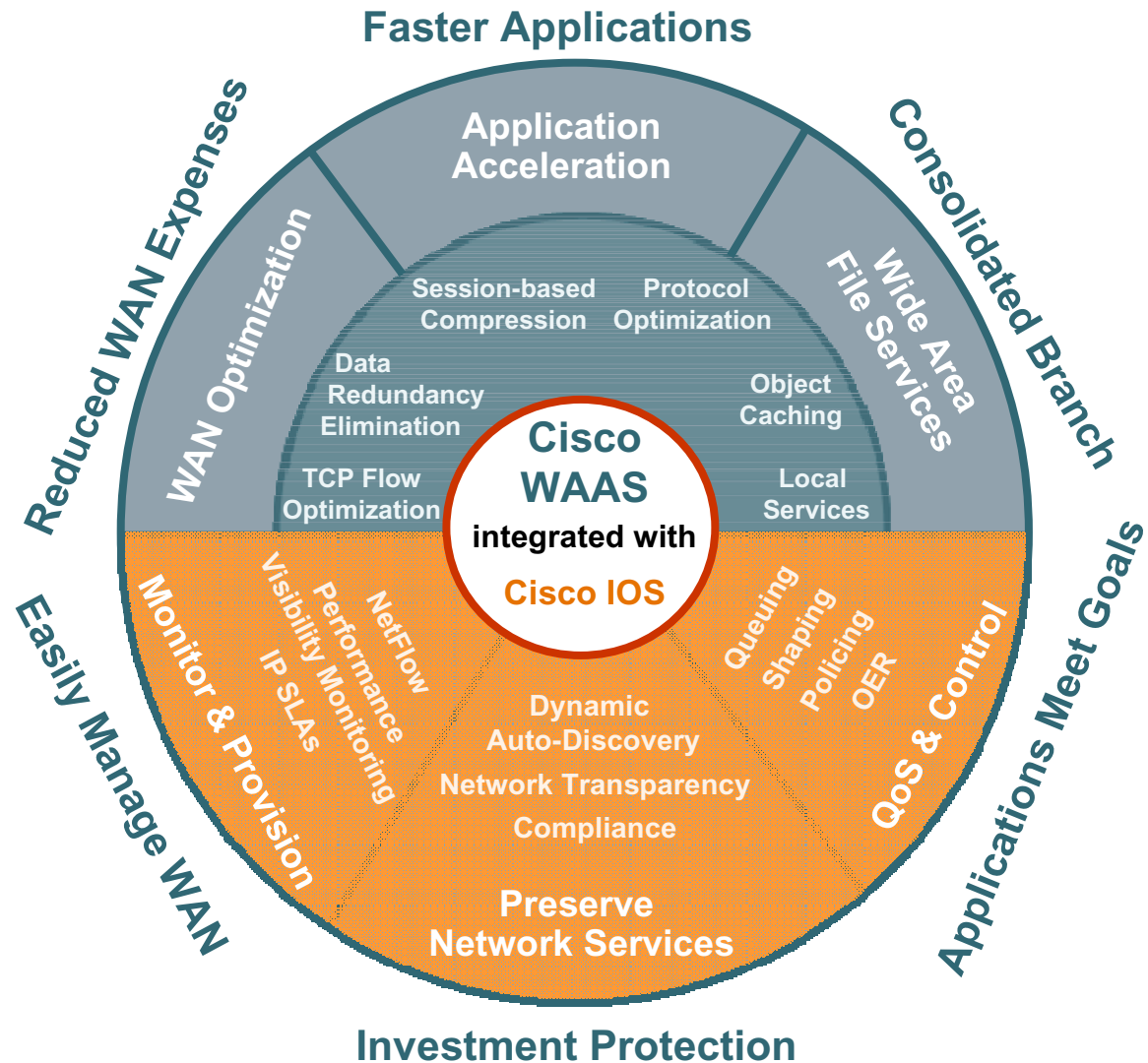
WAE-512



Branch

Hardware platforms

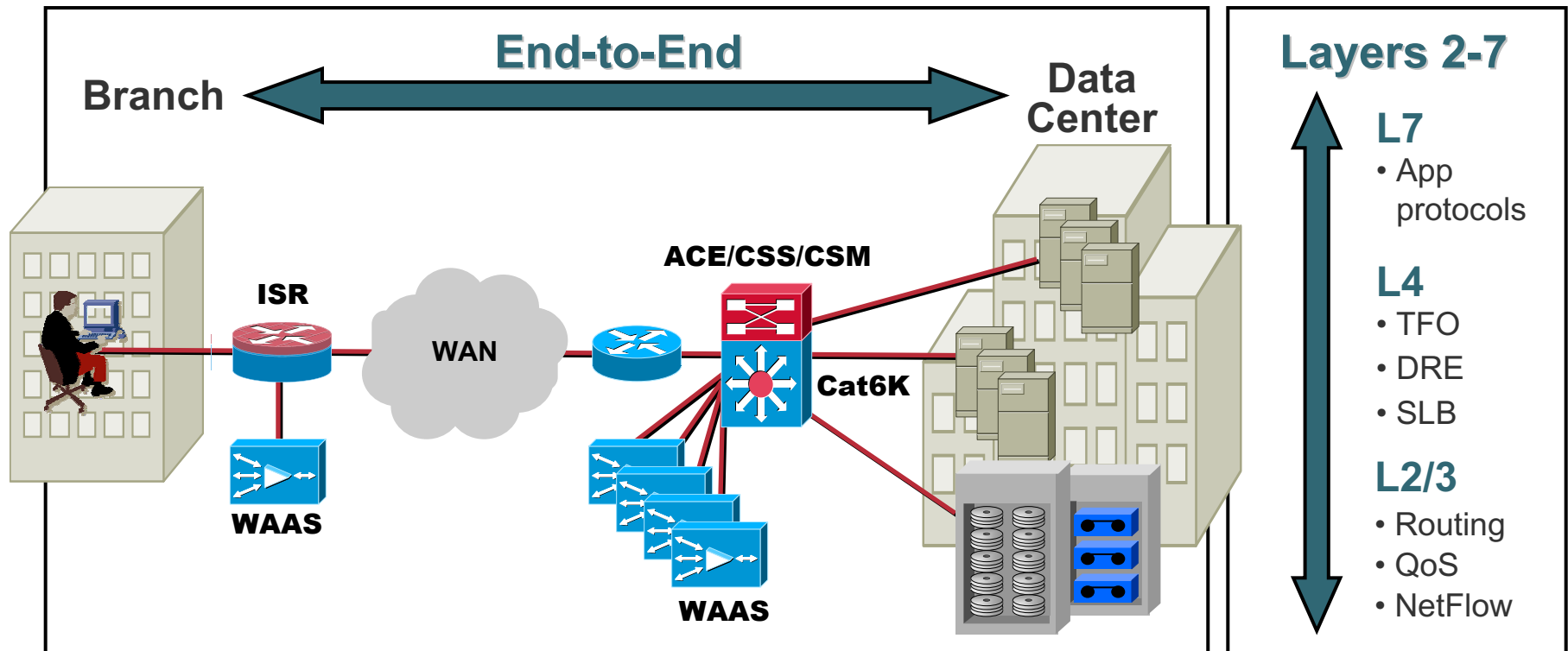
Cisco WAAS: Full Optimization Solution



Key Benefits

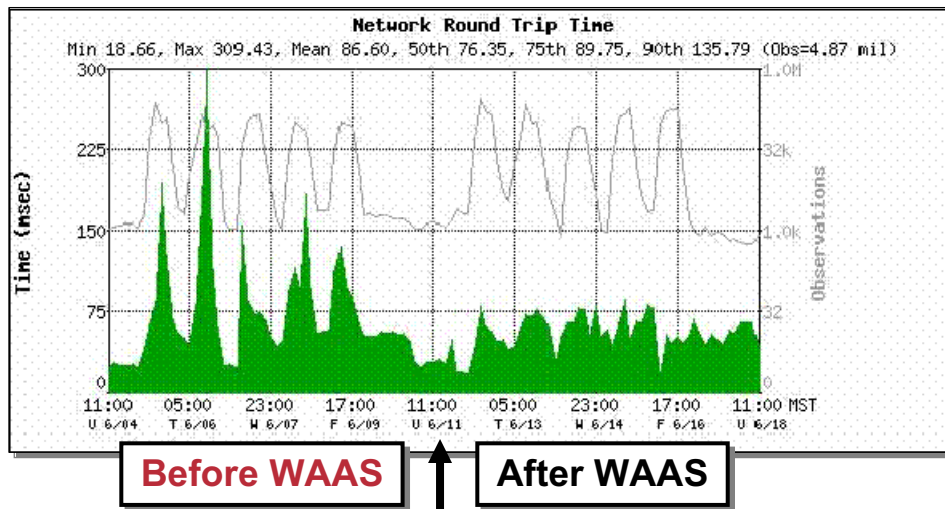
Branch Challenge	Benefit
App Performance	Improved application response times
Complexity / Cost	Time + cost savings from server consolidation and bandwidth management
Data Compliance	Centralized storage maximizes compliance & data protection
Technology Integration	Seamless integration into existing network <ul style="list-style-type: none">• Transparent + full complement to Cisco IOS
Scalability	Designed for the enterprise <ul style="list-style-type: none">• Scalable to 1000s of branches• Performance under real world load

WAAS: Complete End-to-End Solution From Data Center to Branch



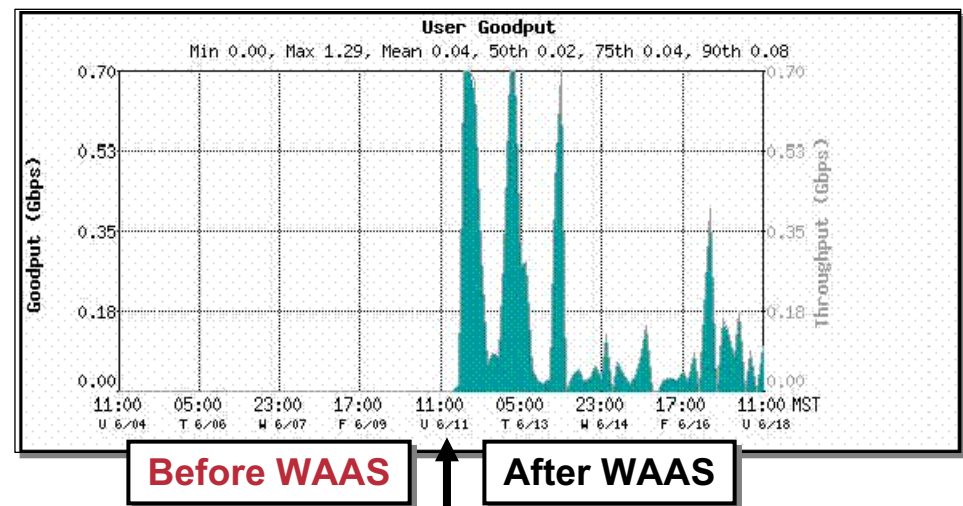
Deployments: 1 million+ Integrated Service Routers (ISRs) with IOS, 10,000s of Wide-Area Application Engines (WAEs), 10 years of load balancers

Cisco WAAS: Application Performance & Throughput



- 4-100x response time improvement
- Any TCP application

- Up to 99% elimination of redundant data
- Significant improvement in WAN throughput



Customer Case Studies

Global Enterprise

IT Challenge:

- Manage “server sprawl” at growing # of branches
- Performance for global Outlook + FTP + file share

Result:

- LAN-level performance while testing centralized Outlook servers
- In production in US, Europe, India, South America

Mid-Market

IT Challenge:

- Improve employee collaboration across branches
- Performance for large files
- Do not impact QoS for VoIP

Result:

- Collaboration achieved metric set by productivity committee
- Transparency = no VoIP impact
- In production in 10 branches

Cisco WAAS: Solution for Today's Branch

- **Addresses range of IT branch challenges**
- **Comprehensive technology set**
 - Application acceleration**
 - WAN optimization**
 - WAFS**
- **Seamless integration into existing IOS networks**
- **True enterprise performance, scalability and resiliency**
- **Comprehensive solution for consolidated branch**

CISCO SYSTEMS

