



# Applying a Methodology to Network Design



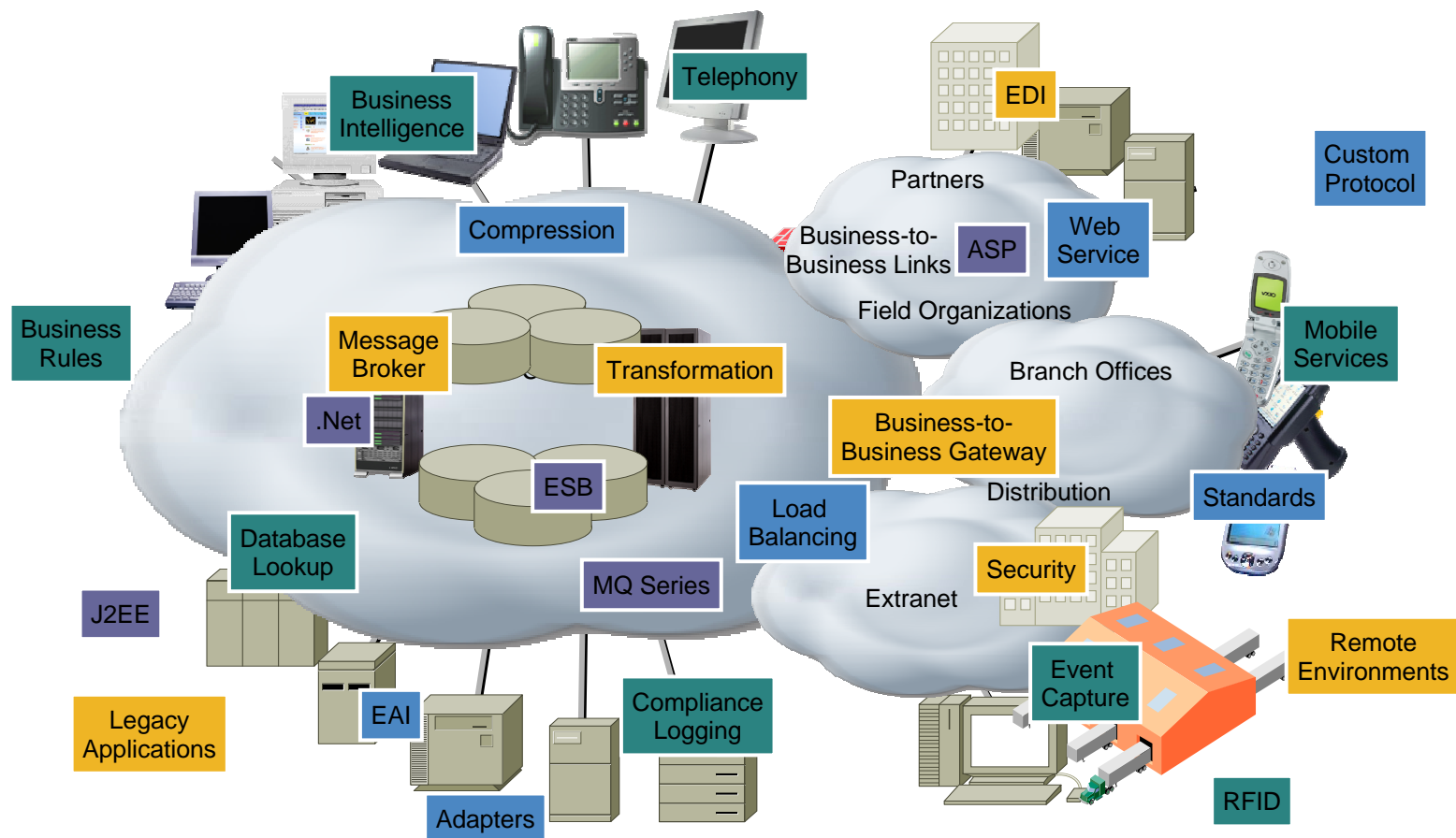
## Designing for Cisco Internetwork Solutions (DESGN) v2.0

# Applying a Methodology to Network Design

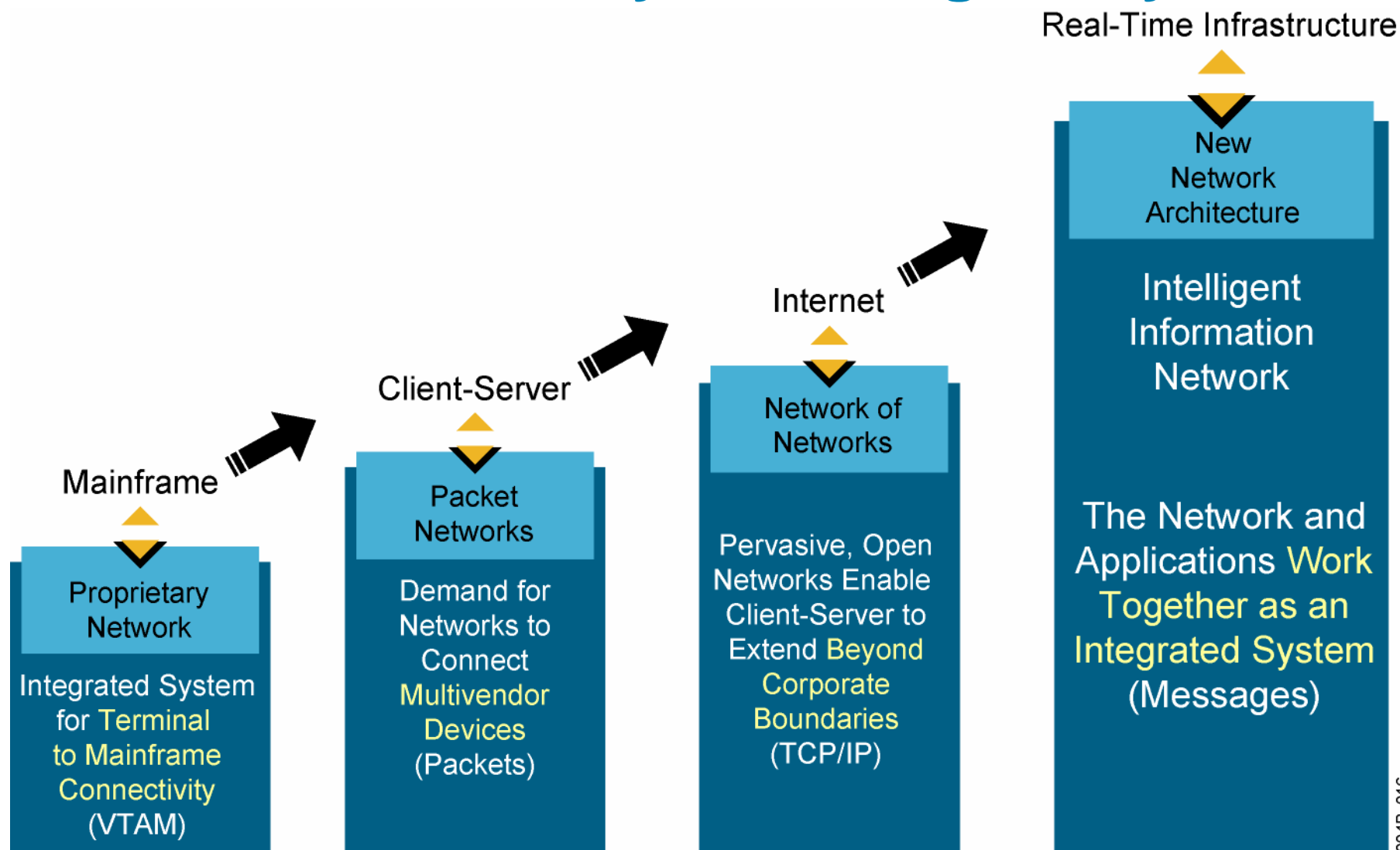


## Introducing the Cisco Service-Oriented Network Architecture

# Growth of Applications

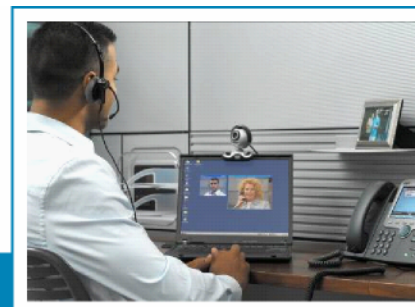
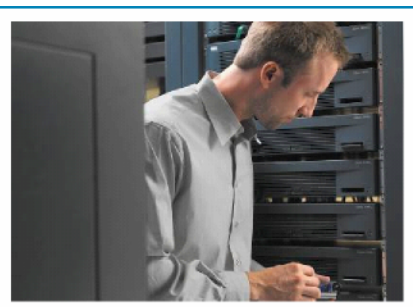


# IT Evolution— From Connectivity to Intelligent Systems



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# New Business Requirements



Evolve from  
Connectivity to  
Intelligent  
Systems

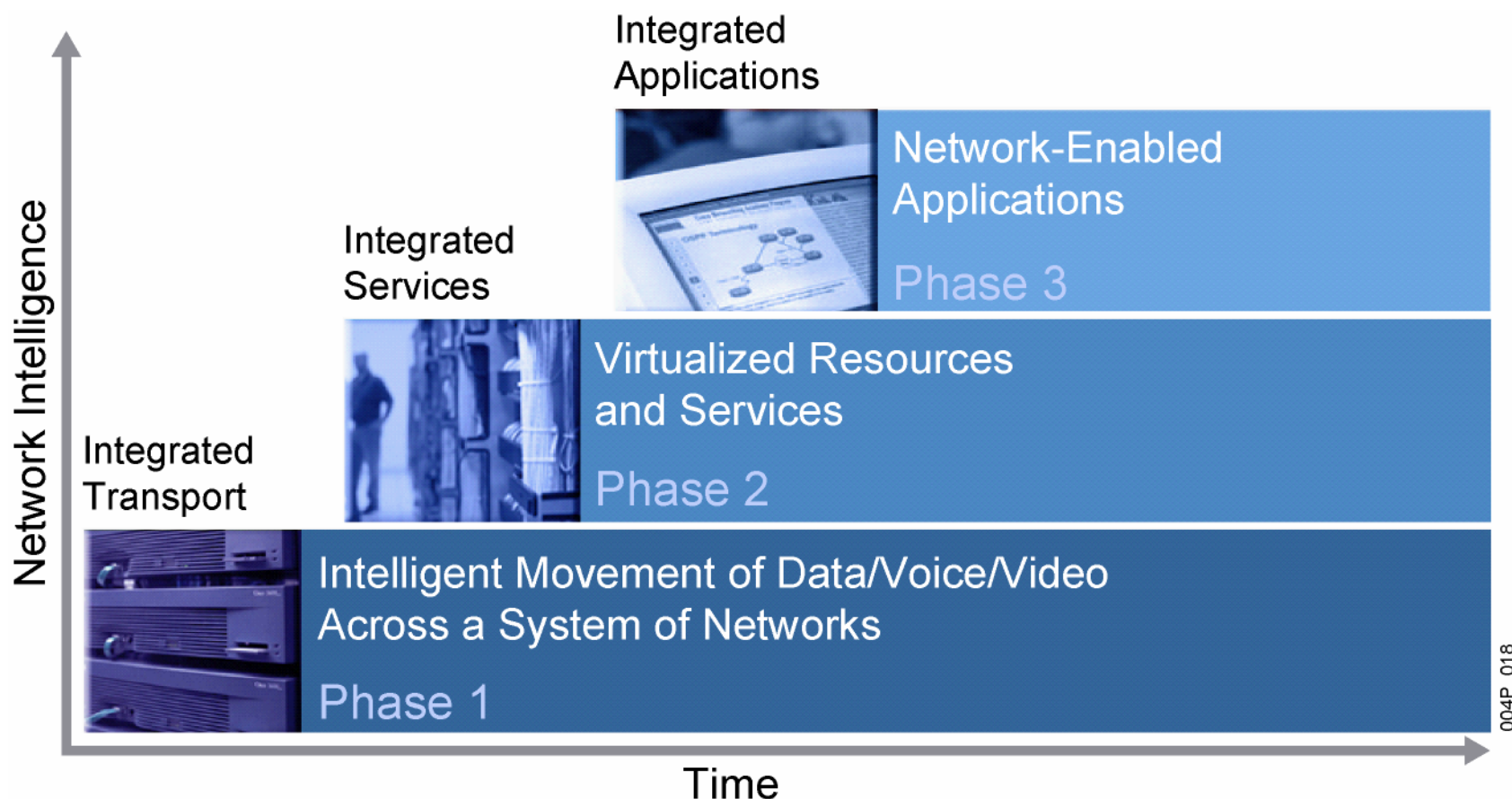
Participate Actively  
in Delivery of  
Applications and  
Network Services

Provide the  
Foundation for  
Transforming  
Business Processes

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**The Network Touches Everything**

# Intelligence in the Network



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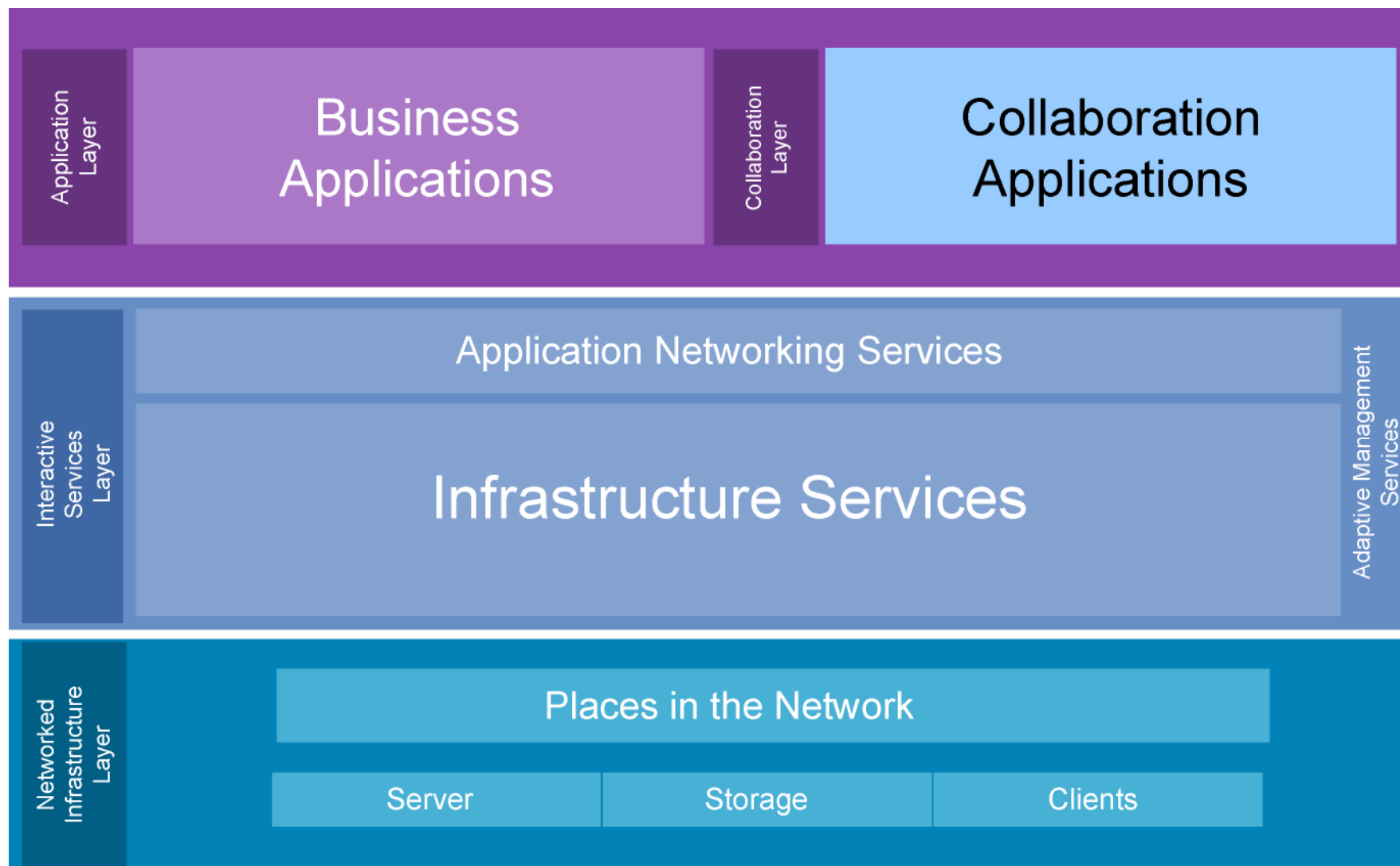


# Cisco Service-Oriented Network Architecture Framework

- SONA is an architectural framework.
- SONA brings several advantages to enterprises:
  - Outlines how enterprises can evolve toward a more intelligent network
  - Illustrates how to build integrated systems across a fully converged intelligent infrastructure
  - Improves flexibility and increases efficiency

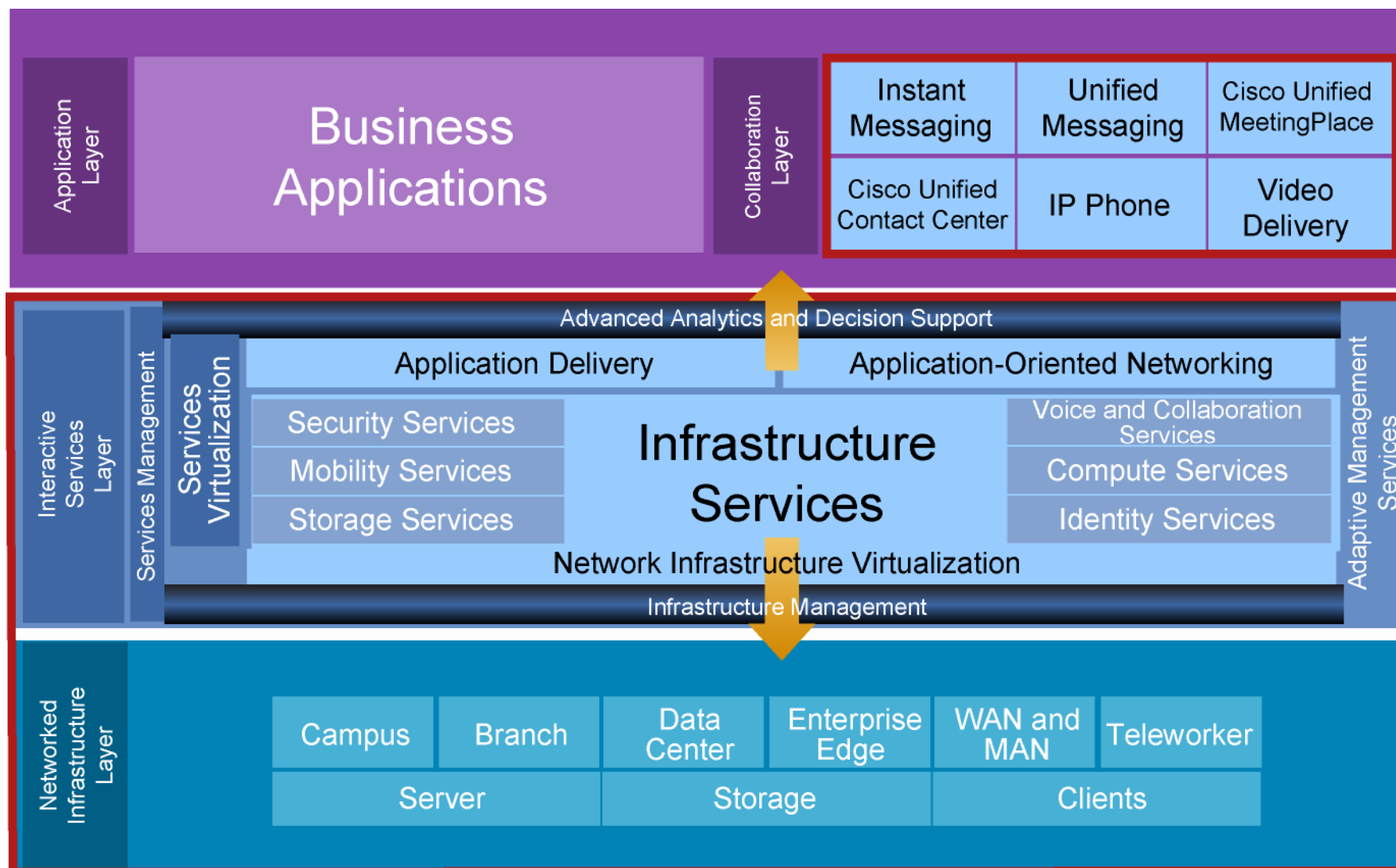


# Cisco SONA Layers



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# Overview of Cisco SONA Offerings



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# Benefits of SONA

	Description
Functionality	Supports organizational requirements
Scalability	Supports growth and expansion of organizational tasks
Availability	Provides necessary services reliably, anywhere, anytime
Performance	Provides responsiveness, throughput, and utilization on a per-application basis
Manageability	Provides control, performance monitoring, and fault detection
Efficiency	Provides network services with reasonable operational costs and appropriate capital investment

# Summary

- Drivers for a new network architecture include these factors:
  - Growth of applications
  - IT evolution from connectivity to intelligent systems
  - Increased business expectations for networks
- Cisco's vision of intelligence in the network aligns network and business requirements in three phases:
  - Phase 1 is integrated transport.
  - Phase 2 is integrated services.
  - Phase 3 is integrated applications.
- Cisco SONA is the enterprise framework for building intelligence in the network:
  - Layer 1 is the integrated infrastructure layer.
  - Layer 2 is the interactive services layer.
  - Layer 3 is the application layer.