

# CCNA Routing and Switching Study Guide

# Chapters 8 & 22: Intelligent Networks

Instructor & Todd Lammle



# Chapter 22 objectives

The ICND2 topics covered in this chapter include:

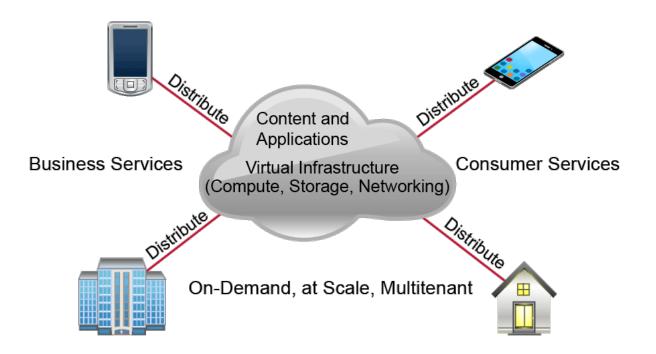


# Chapter 22 objectives (con't)

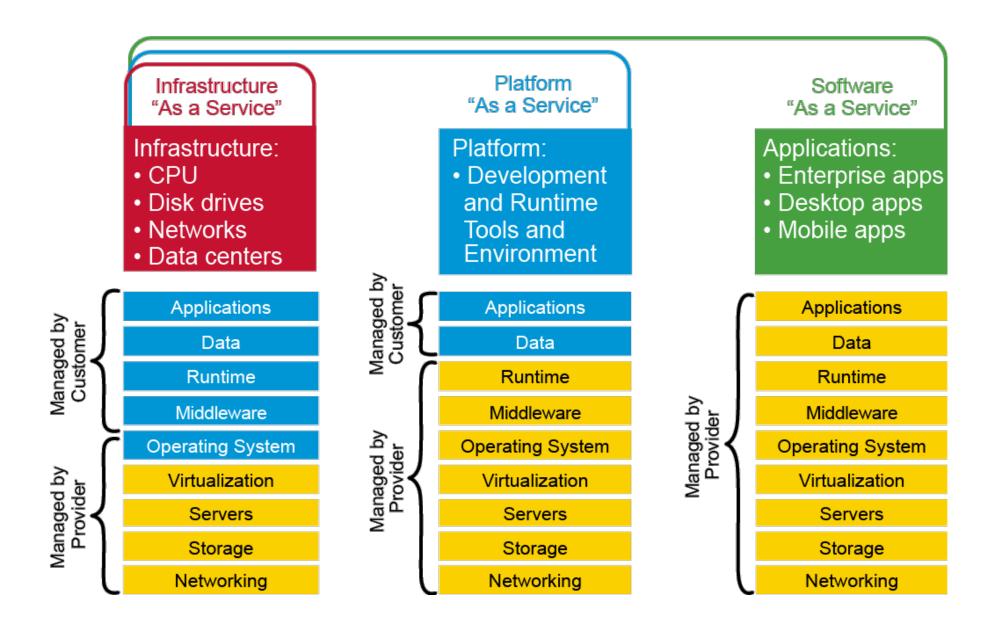
The ICND2 topics covered in this chapter include:

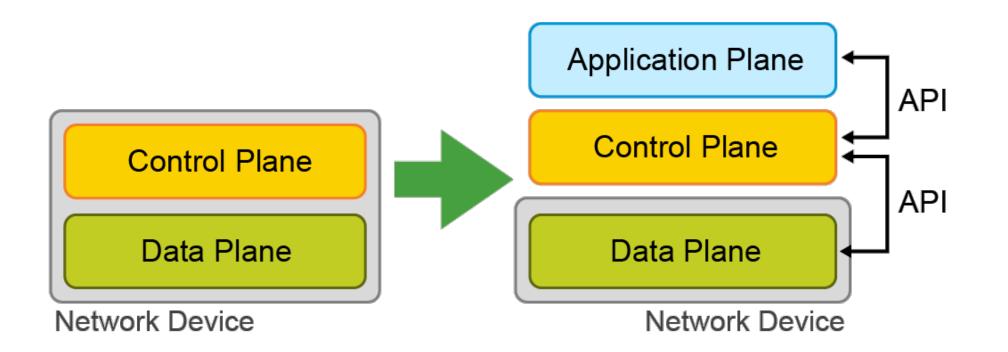


• Figure 8.2



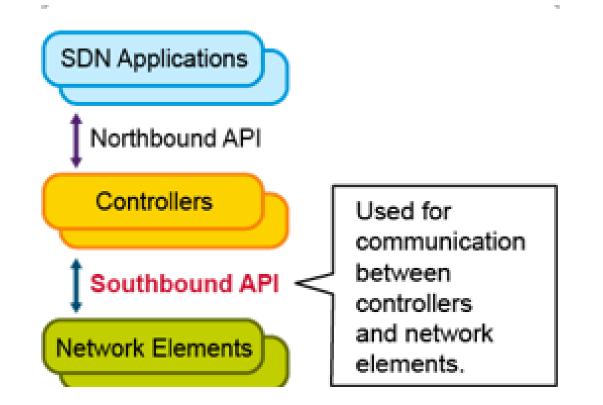
Centralization Automation Virtualization Standardization Applications End-User Systems Servers Infrastructure and Network Services (Security, Load Sharing, and so on) Network Storage

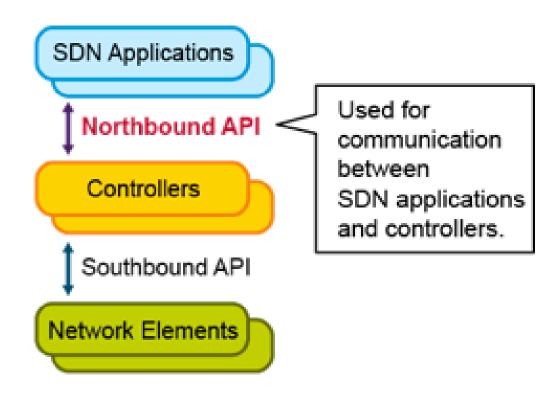


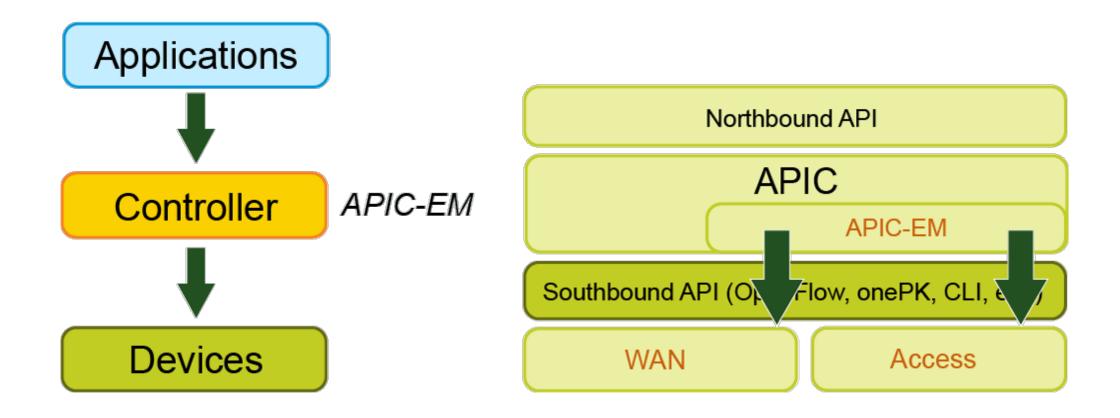


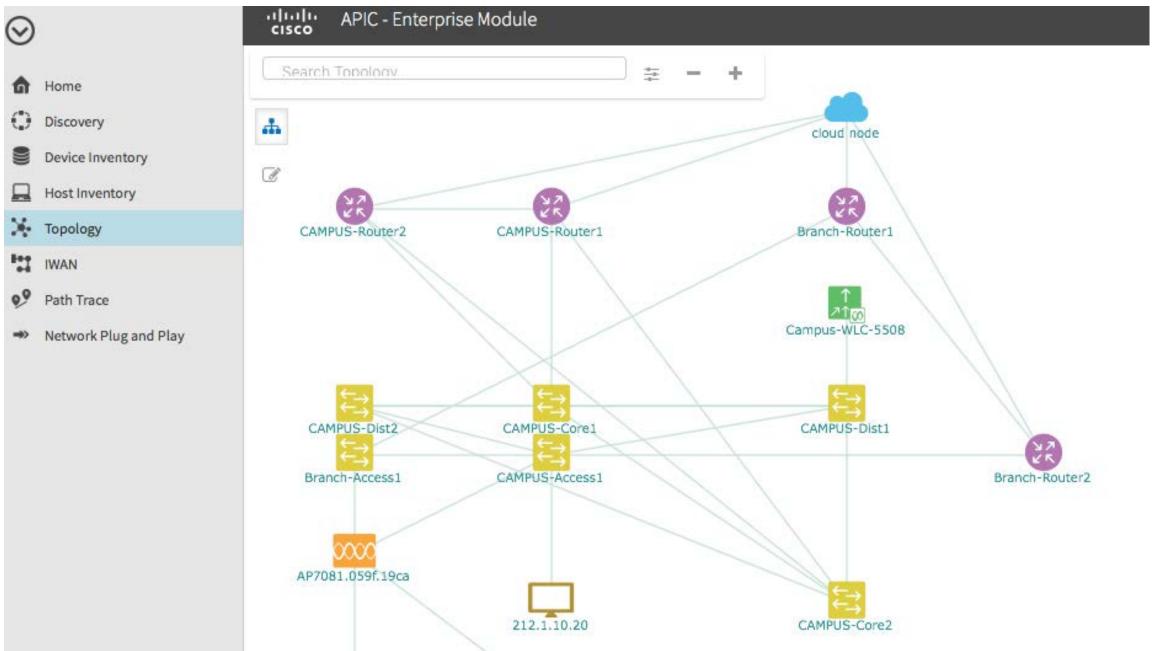
Traditional Network Architecture

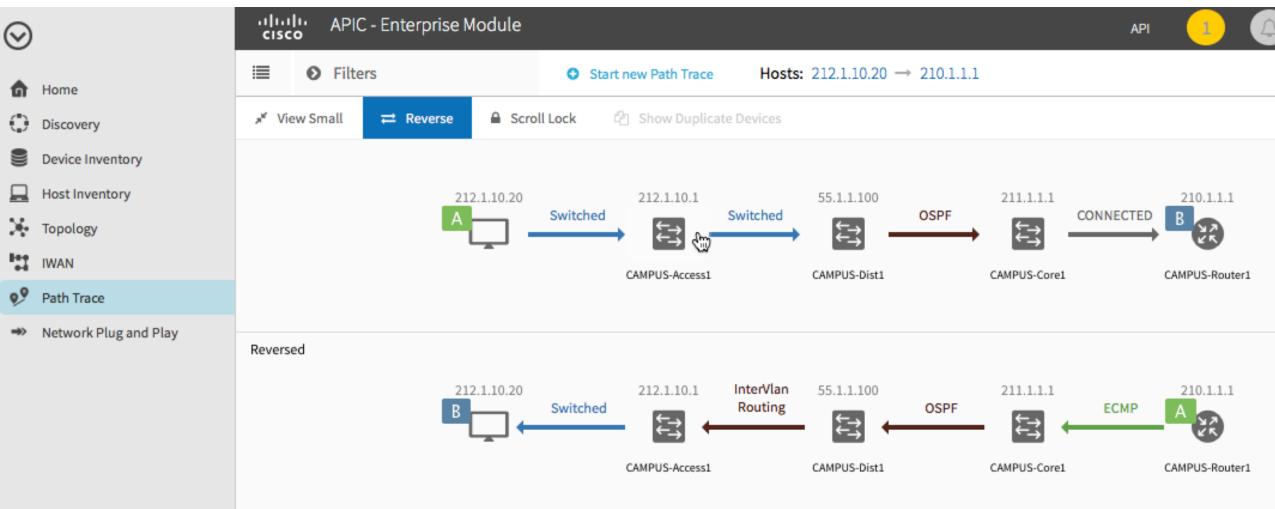
**SDN** Architecture







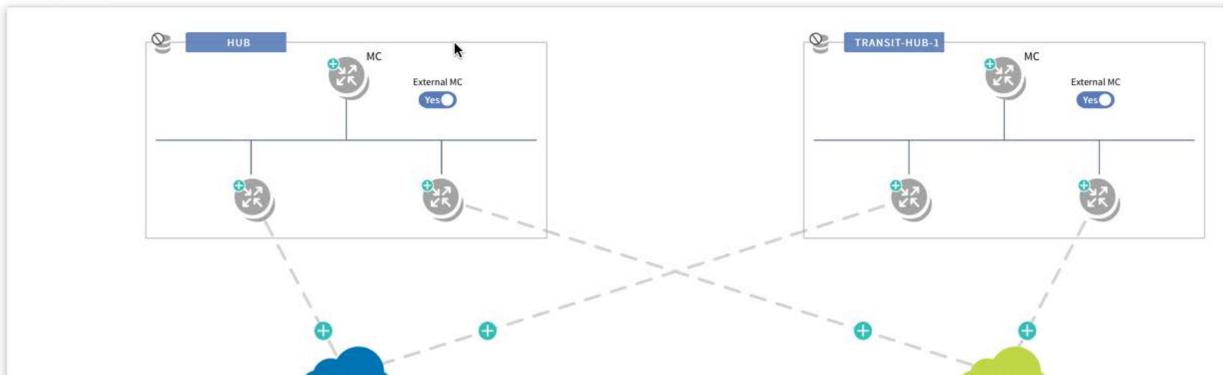


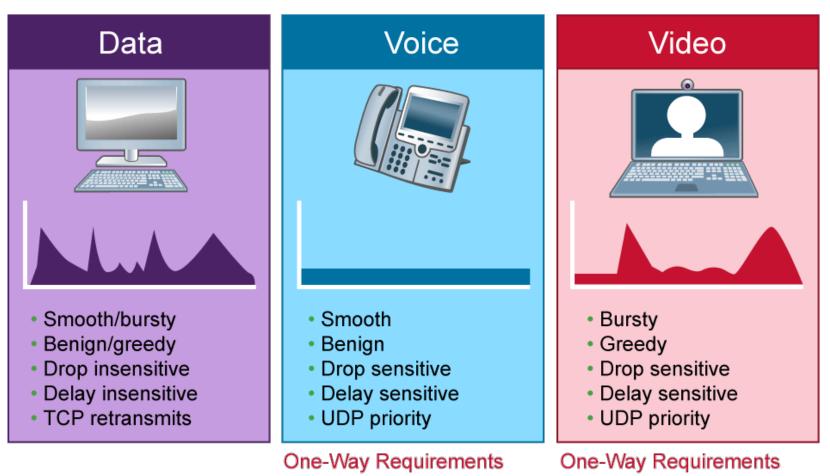


APIC - Enterprise Module					API 💶 🙆
HIWAN Home Network wide settings					
🔅 System	Certified IOS releases	IP Address Pools	Service Providers	IWAN aggregation site	

#### Configure Hub Site 🔞





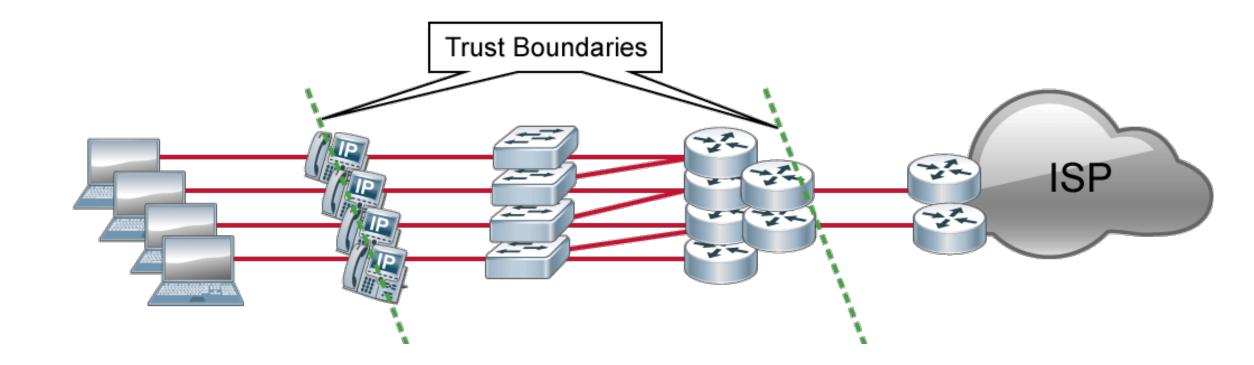


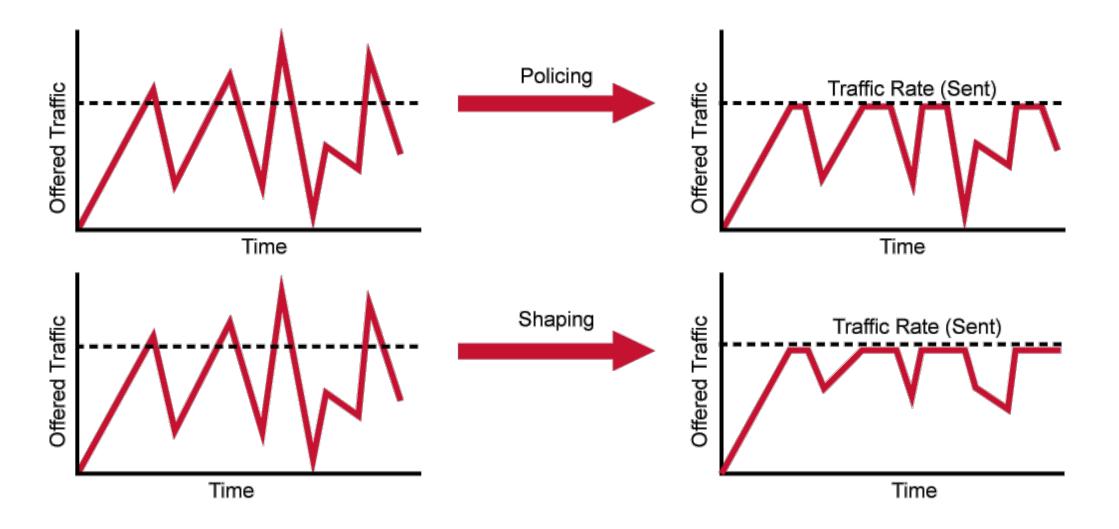
Latency ≤ 150 ms

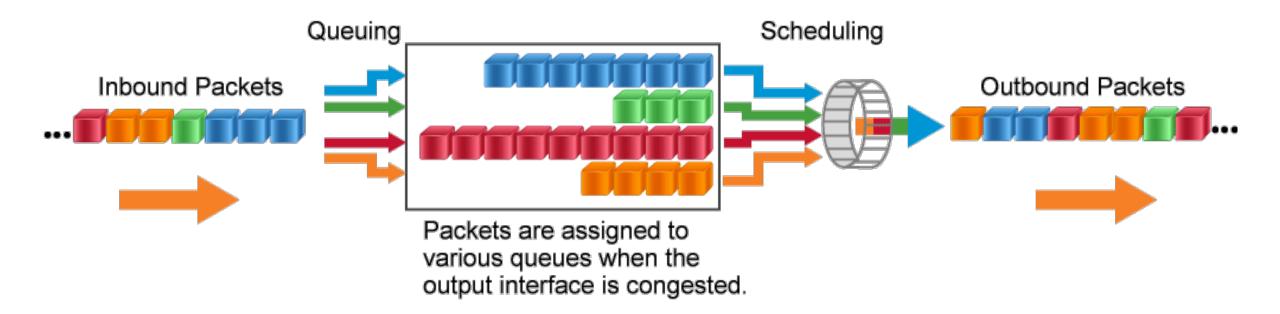
Jitter ≤ 30 ms

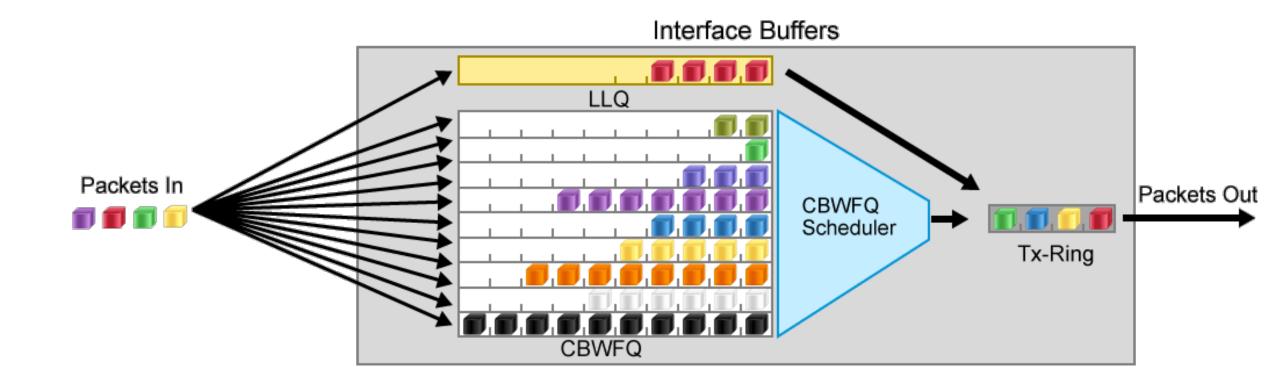
Loss ≤ 1%

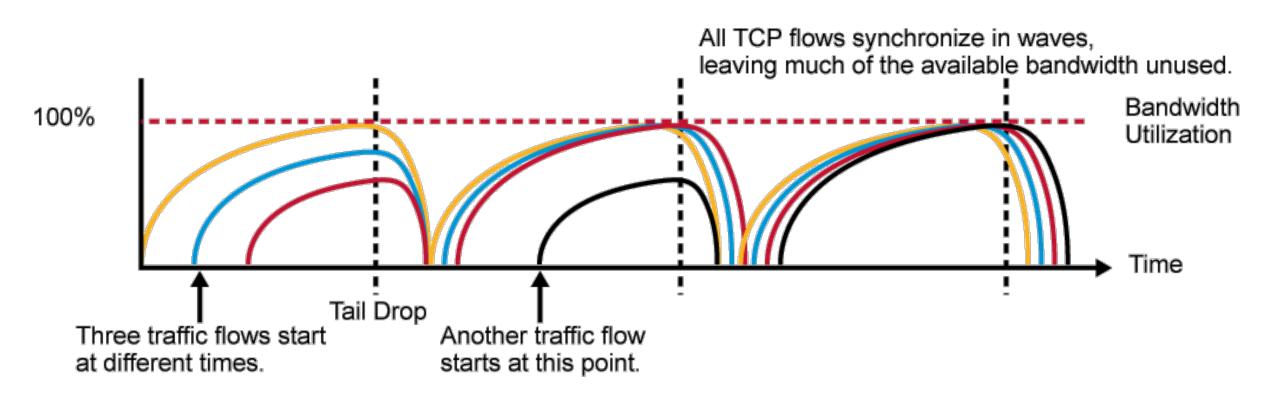
- Latency ≤ 200–400 ms
  - Jitter ≤ 30–50 ms
- Loss ≤ 0.1–1%
- Bandwidth (30–128 Kbps)
  Bandwidth (384 Kbps–20 + Mbps)













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#### Written Labs and Review Questions

- Read through the Exam Essentials section together in class.
- Open your books and go through all the written labs and the review questions.
- Review the answers in class.

