

Telchemy

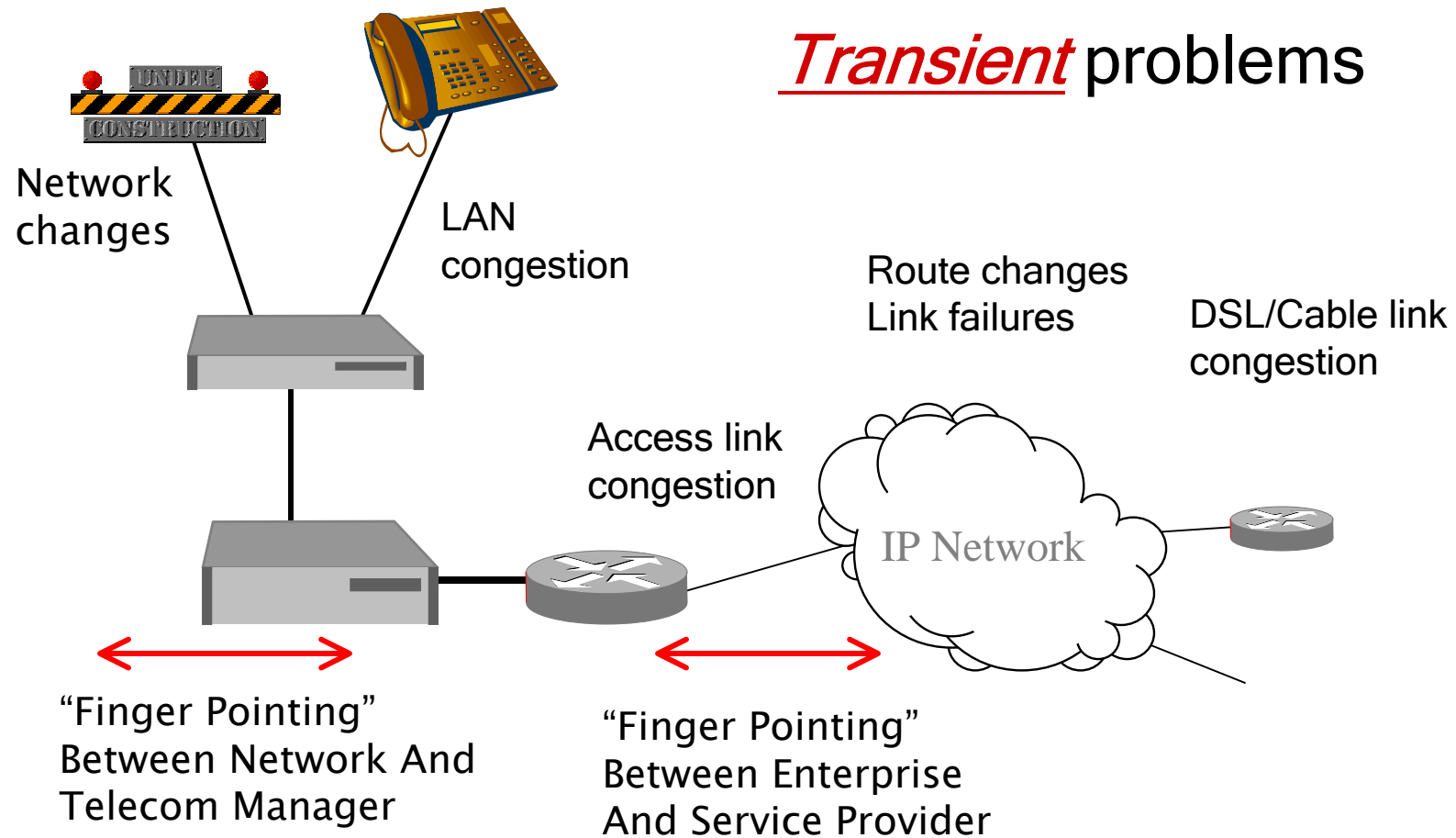
Actively Managing Multimedia

Enterprise Voice over IP Management

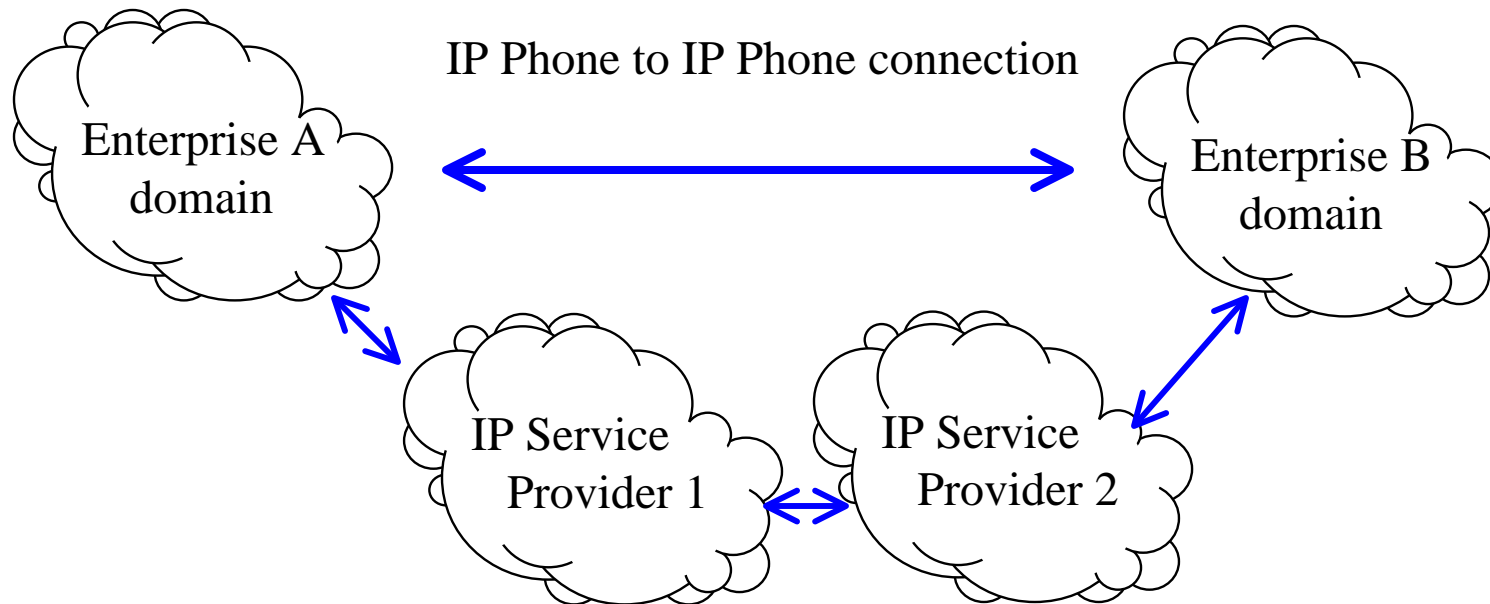
Alan Clark

alan@telchemy.com

The problem space



and in the future.....

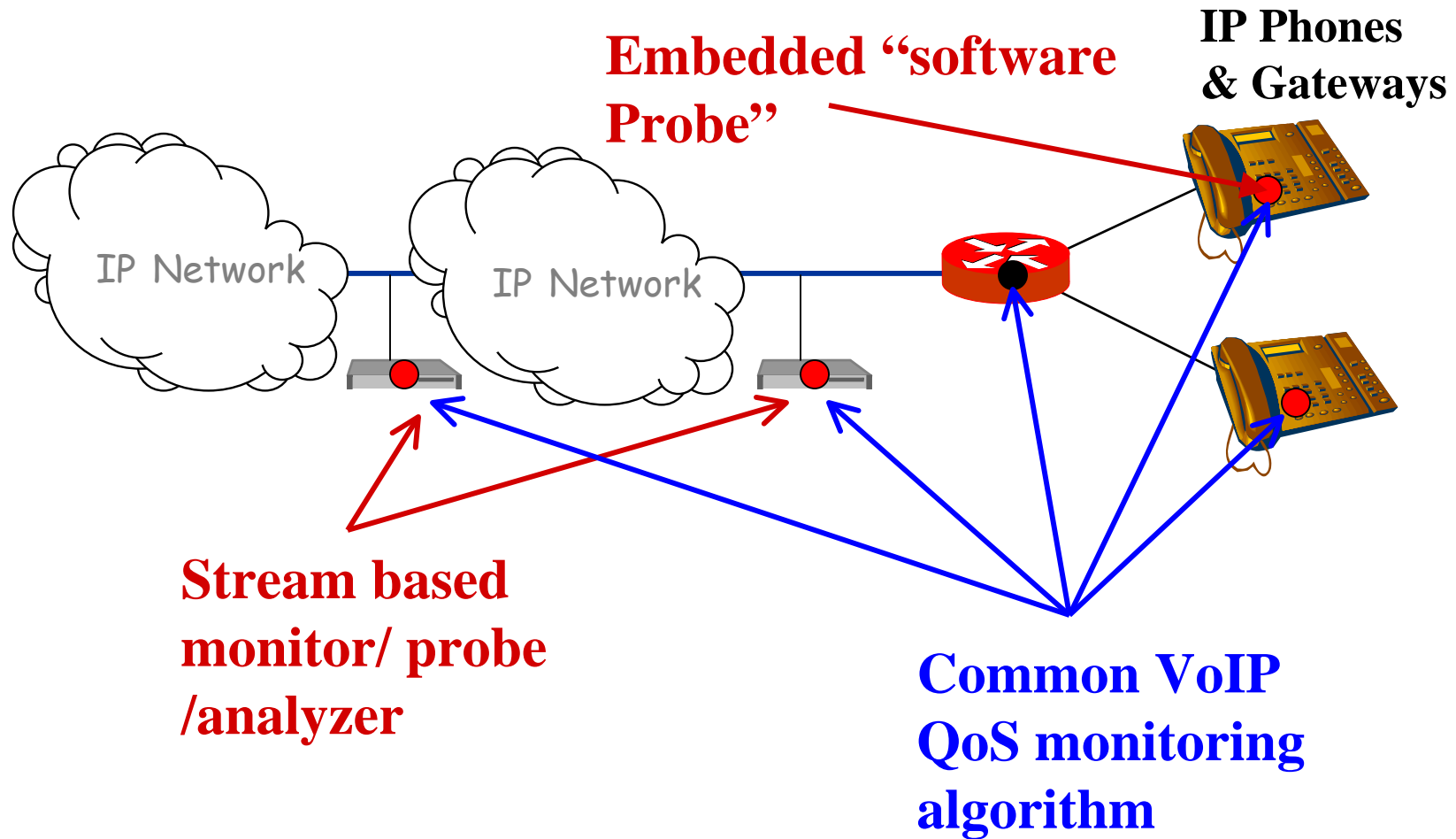


- Multi-vendor environment
- “management firewalls”
- No end-to-end problem resolution tools

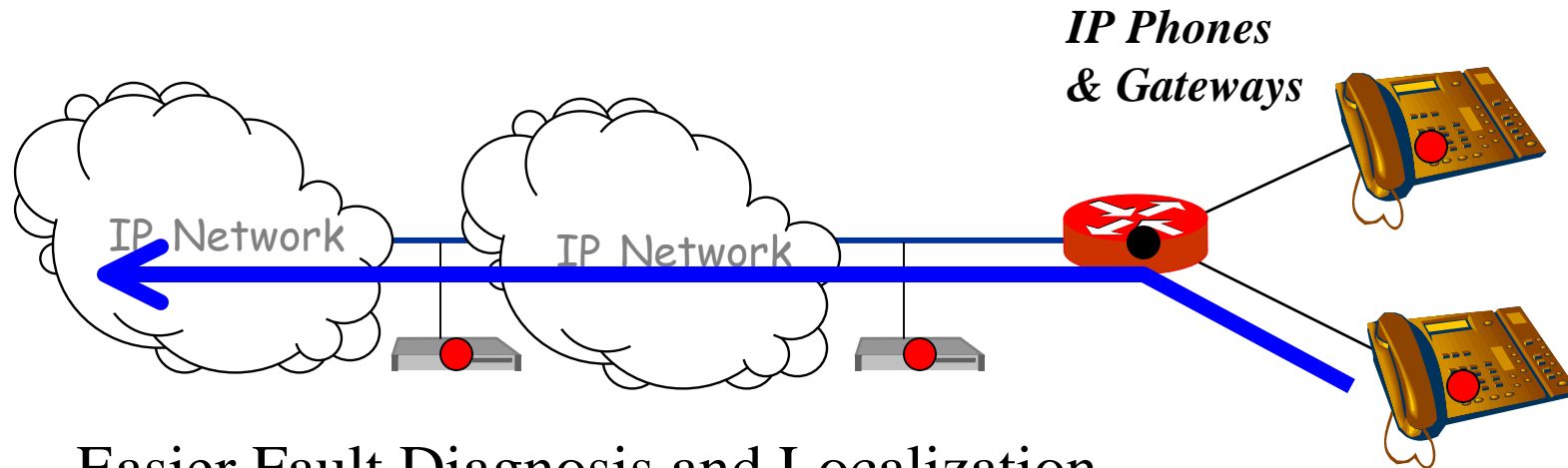
The problem space

- How to:
 - manage a Voice over IP service or network and ensure consistent quality?
 - locate, diagnose, resolve transient problems?
 - provide network-wide performance monitoring at minimum cost?
- How to do all the above in a multi-vendor network?
- How to do all the above across multiple independent IP networks?

Solution – consistent methodology



and – real time information flow

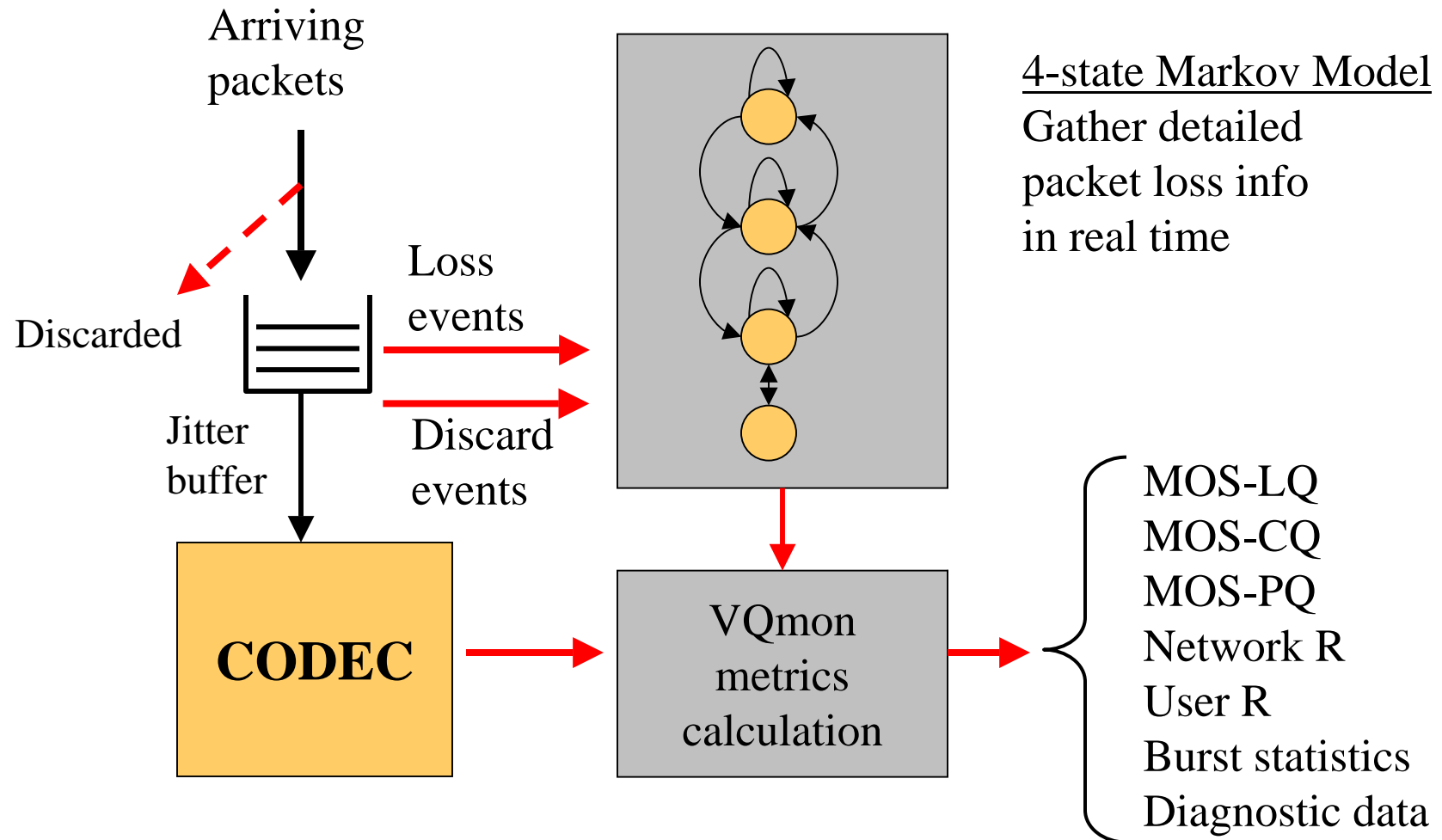


Easier Fault Diagnosis and Localization

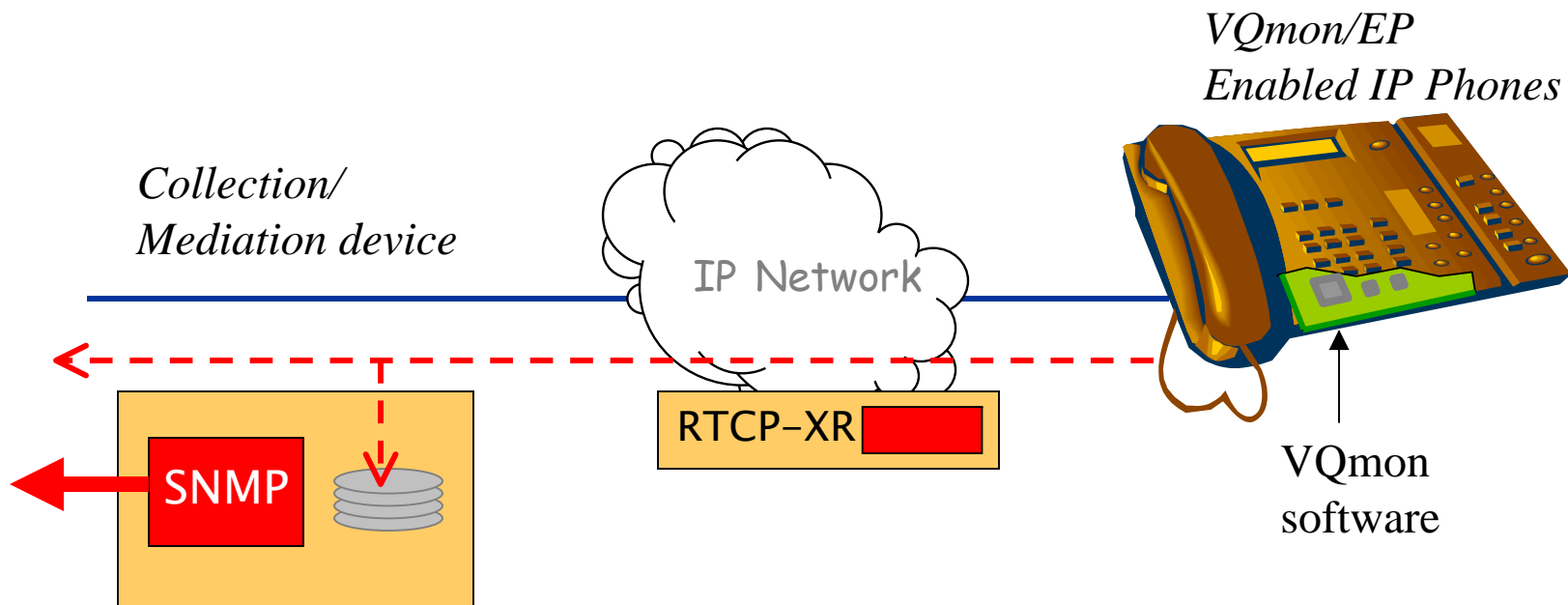
Helps solve problems that span management domains

Test and monitoring equipment understands metrics
Generated by endpoints

Detect transient network problems



Create a real time information flow



RTCP-XR gets data from endpoints through the voicepath

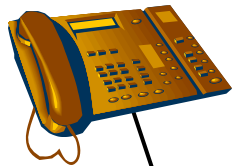
- Solves inter-network problems
- Exchanges information between endpoints
- Same metrics payload -> SIP and H.323

How does this help solve the problem?

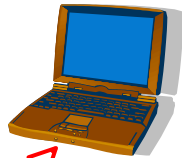
- Use the same algorithm in SLA Monitors, Analyzers, IP Gateways, IP Phones....
- Use tools that detect and incorporate the effects of transient network impairments
- Use tools that generate detailed diagnostics to help resolve the problem quickly
- Embedded “software probe” approach is inexpensive to deploy

Enterprise Example

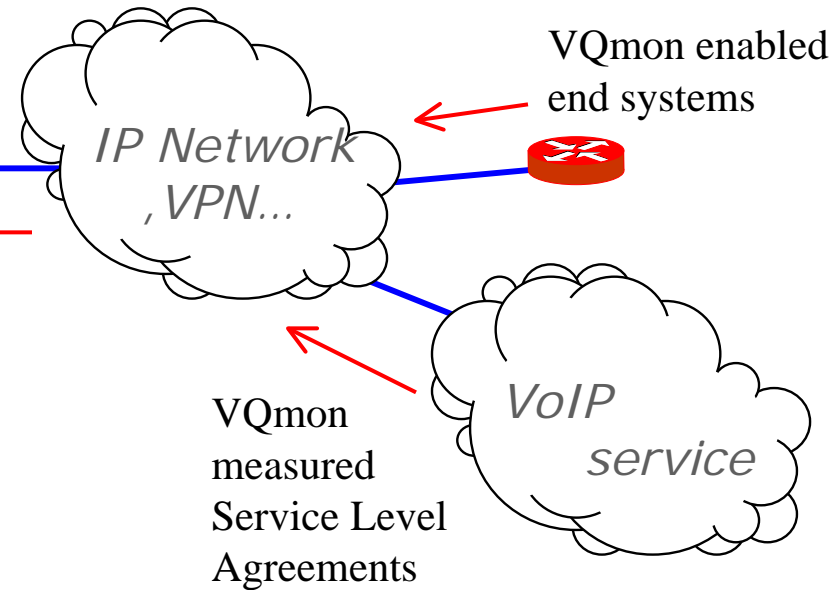
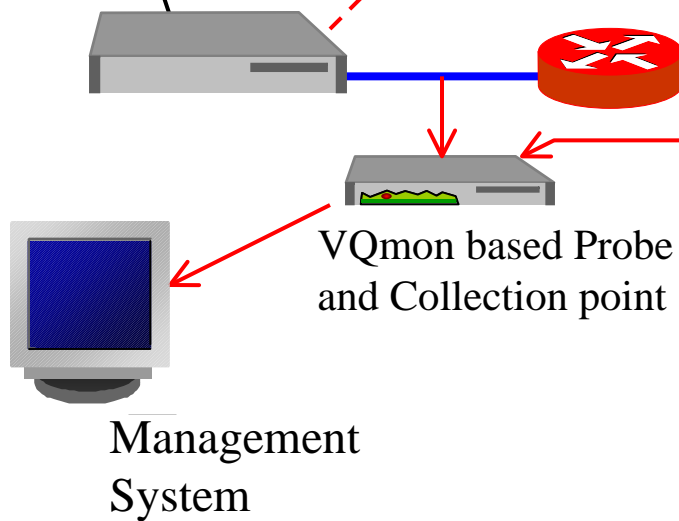
VQmon enabled
IP Phone



VQmon
enabled
Analyzer



Provides *consistent real time information*
from end-systems, key paths and streams,
and Service Providers



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About Telchemy

- Provides software technology for non-intrusive and active Voice over IP service quality monitoring and problem diagnosis.
- Pioneered an embedded software approach - provides a lowest cost - network wide real-time monitoring
- VQmon technology licensed by Artiza, Brix Networks, Brooktrout, Finisar, Nortel Networks, Visual Networks
- Key partnerships with leading DSP software vendors to incorporate key software components directly into Vocoder - makes integration easy
- VQmon has been deployed in the field for over 12 months and is used by many service providers and key Enterprise networks

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