SLA Round Table



Problem Statements

- Building sustainable business models for SPs and their customers
- ▶ Traditional gain an advantage and then keep doing the same thing – adding incremental improvements only when forced to
- ► Today- gain an advantage and keep morphing to increase speed, add new services, enter new markets

Solutions

Differentiated treatment of business flows based on value to the customer

Billing for each service to reflect customer value and maintain higher margins for providers

Service Delivery

- Providers must:
- Identify traffic by characteristics and matching SLA
- Allocate their resources so they can meet the SLA demands
- ▶ Enforce the SLA
- ▶ Bill to capture appropriate revenues

Service Characteristics

- Need for guaranteed bandwidth
- Sensitivity to packet loss
- Sensitivity to round trip delays
- Sensitivity to jitter
- Recovery time
- Activation time
- Security
- Priority assigned by customer

Customer-provider SLA Metrics

- A constellation of metrics for each application
- They must be tailored realistically: for example x% of transactions must complete in Y seconds with none exceeding Z seconds

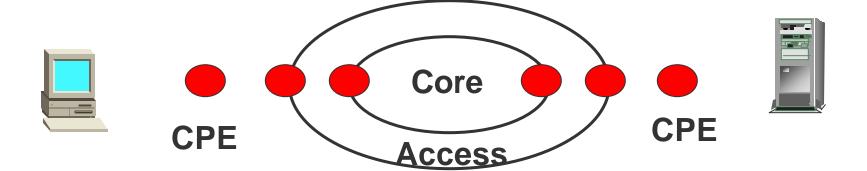
Measurements

Business flows involve more than the network – computing, applications, content delivery

Providers must be able to measure their compliance to their part of the SLA

Measurements

- Differing spans of control
- Some may be internal, others between different providers

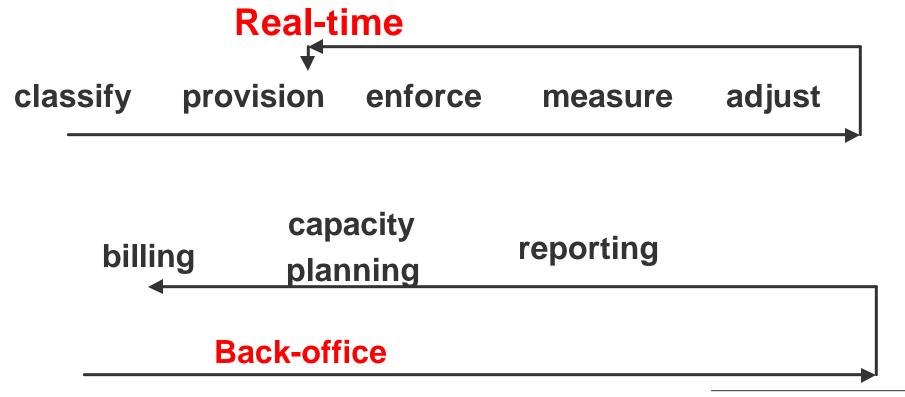


Provider-provider SLA Metrics

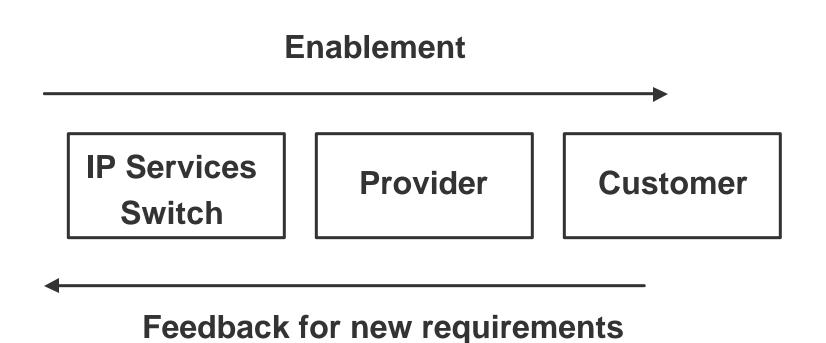
- These will likely be different from customer-provider metrics
- Mapping between each provider's capabilities

Process Views

Its actually a process that must operate accurately and at "wire speed"



Value Chain



Summary

- Building a sustainable business model requires a systematic approach
- Providers must aggregate, classify, measure, enforce, etc.
- Customers want frictionless service activation and delivery