

SOA Bullet Proofing

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Multiple Entry Points to the Enterprise

- At least 2 technology entry pts
- Browser models continue to propagate
- Agile, more effective interfaces move to web services
- Portal / Web Service transition
 - Identity mapping
 - Auditing
 - Credential reduction

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Defining SOA Governance

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SOA – what they didn't tell me in Kindergarten

- XML is really, really slow
- SOA is really, really complex
- Agility is not spontaneous
- Unplanned reuse is scary
- Messaging has unintended consequences
- I can't find my business logic
- My service contracts continue to change
- My clients are not under my control
- I can't see what is happening
- Centralized policy control is essential for distributed systems

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Is my system correct – will it stay that way?

User Interface	Security Layer	Business Logic	Database Integration
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Where is the business logic?
Where is the security logic?
Application programmers can verifiably implement enterprise security policies
Use of toolkits does not scale to even modest deployments
Privacy/regulatory compliance
Identity & trust are key
Transactions must be monitored and audited

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“What is going on?”

“Wow, its short and skinny”

“No way – long and flexible”


“Nope – it's stumpy and thick!”

“C'mon, its wide, thin and floppy”

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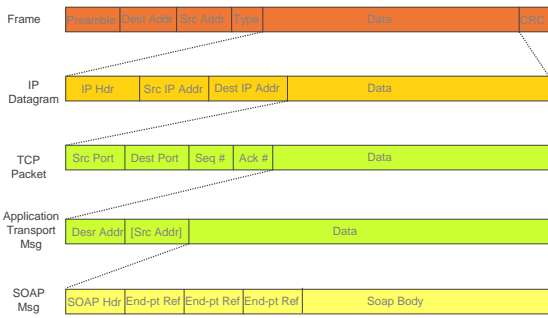
XML – more expensive to run than my boat

- Application server performance 300 – 30 tps
- Platform code including agents continue to steal cycles
- Acceleration in a dedicated appliance helps
- Optimization is more useful
 - Caching
 - Learning
 - Heuristics



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Web Services – Deep in the protocol stack



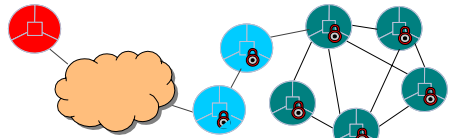
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The XML Enabled Network Properties

- Service virtualization
- Acceleration/Optimization/Processing Offload
- Security
 - Threat mitigation / identity & access ctrl
- Policy driven processing
- Integration with existing infrastructures
- Extensibility to legacy deployments
- Support for standards
- Mediation - standards and implementations
- Content and identity filtering/routing/monitoring
- Buffer against change

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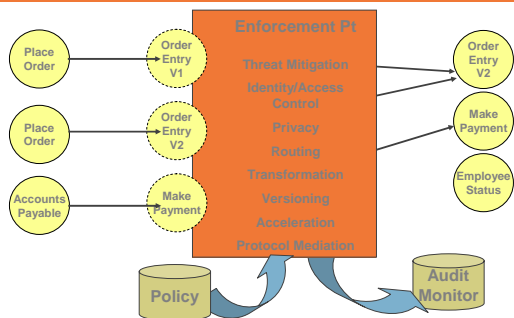
Privacy Controls



- Loose coupling and reuse is a fundamental value for SOA
- Additional message considerations
 - How trusted is Web Service forwarding a transaction?
 - Is this a replay attack?
 - Who is the principal that originated the transaction?
 - What will be the final disposition of the data?

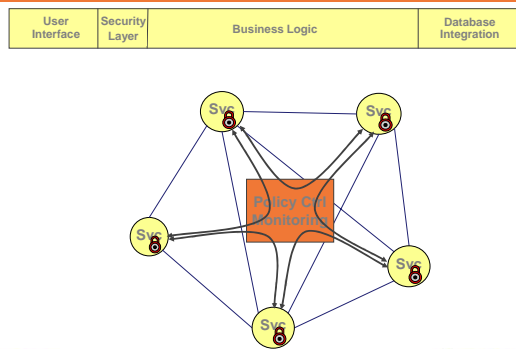
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Service Virtualization



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Network Intermediaries



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