

Managing Web Services In a Changing Landscape

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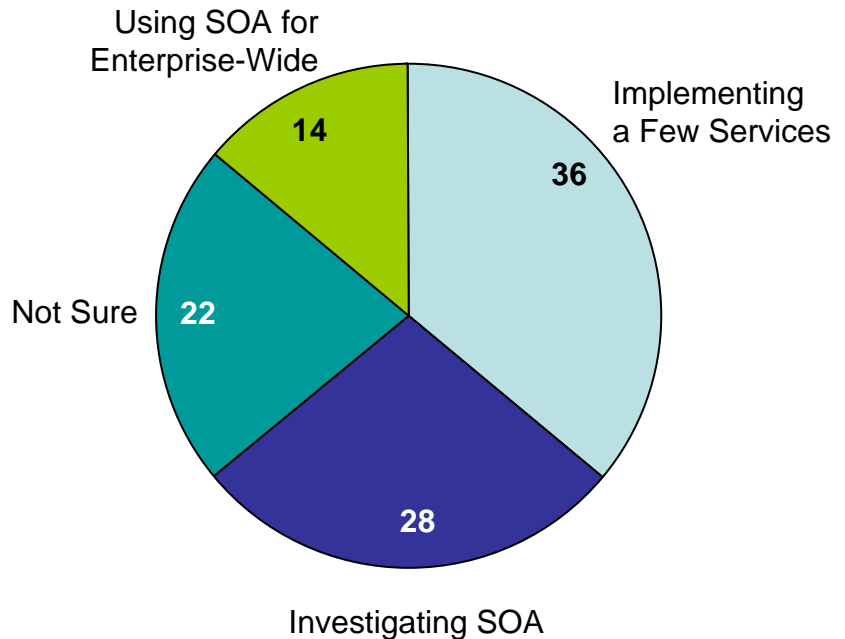
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SOA and Web Services Enjoying Wide Adoption

- **70% of large enterprises** have started to build out their SOAs (Forrester)
- 79% rate SOA a **critical or high priority** for IT over the next 3–5 years (InfoWorld)
- 40% estimated their **SOA budget > \$500,000** for the next year (InfoWorld)

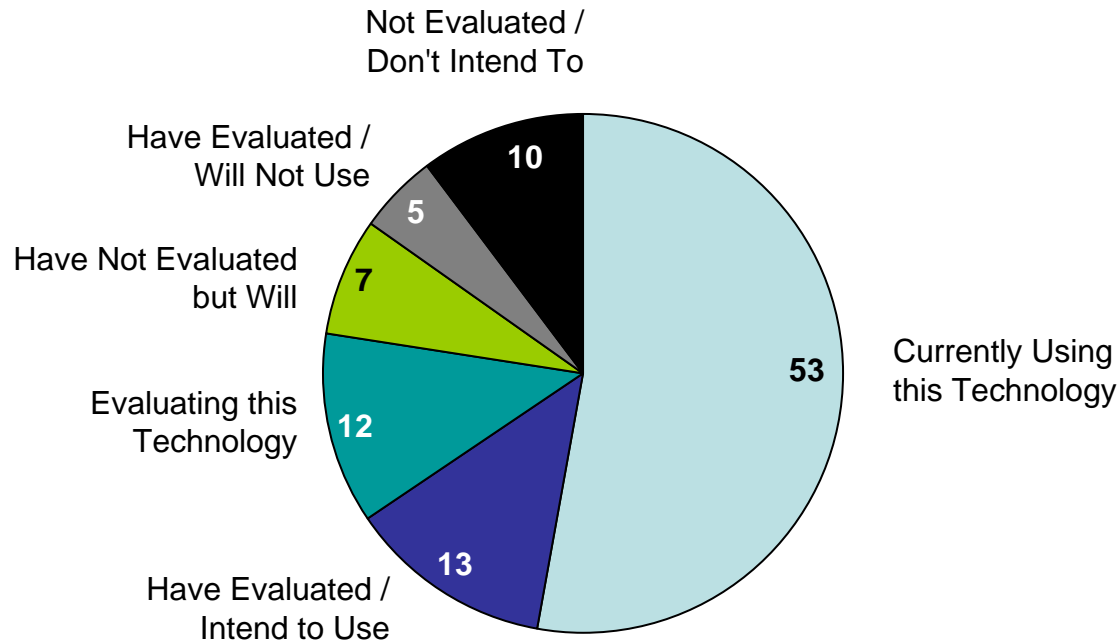
Involvement with SOA (%)



Source: Wily Survey at Online Presentation (90 respondents)

2/3 of Wily Customers are Using or Intend to Use SOAP

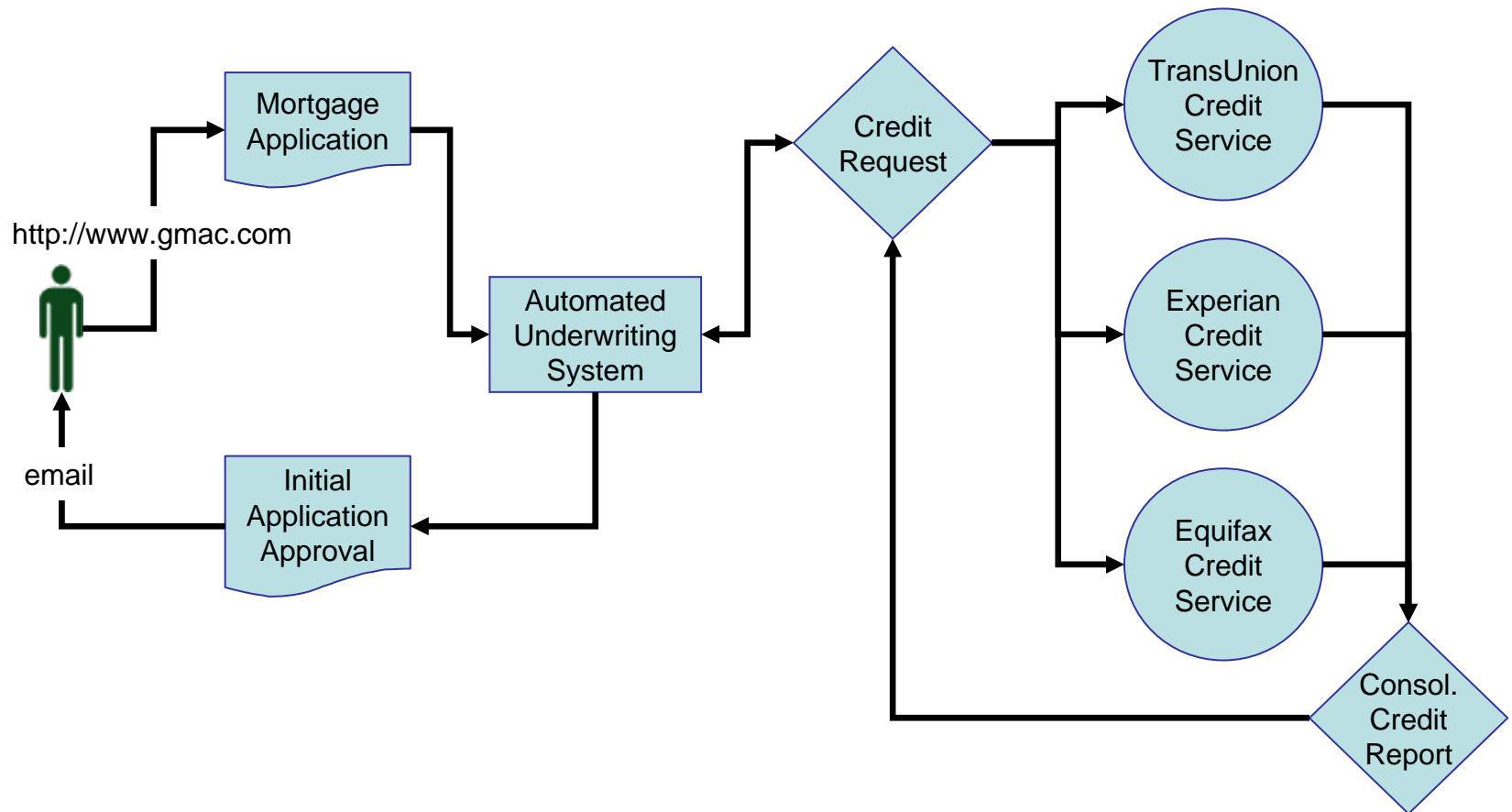
Adoption of SOAP Technology (%)



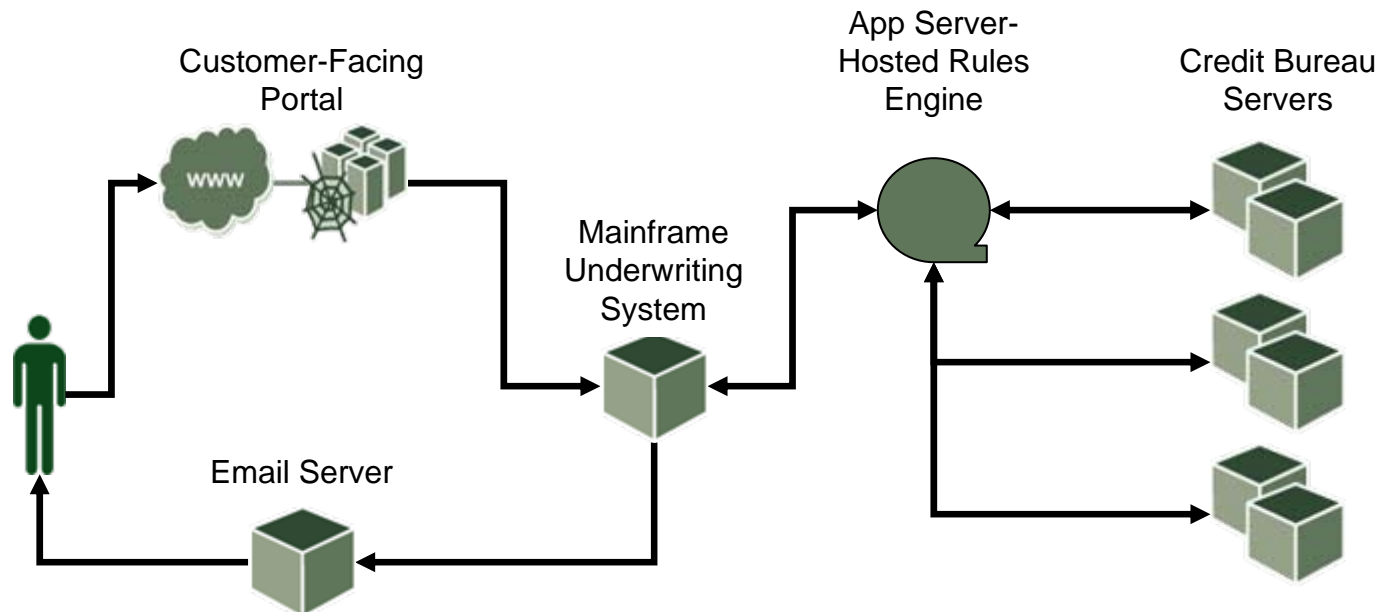
<http://www.wilytech.com/news/releases/051114.html>

Source: 2005 Wily Benchmark Survey

Web Services Changing Application Architectures



Business Transactions Cross Infrastructure Boundaries

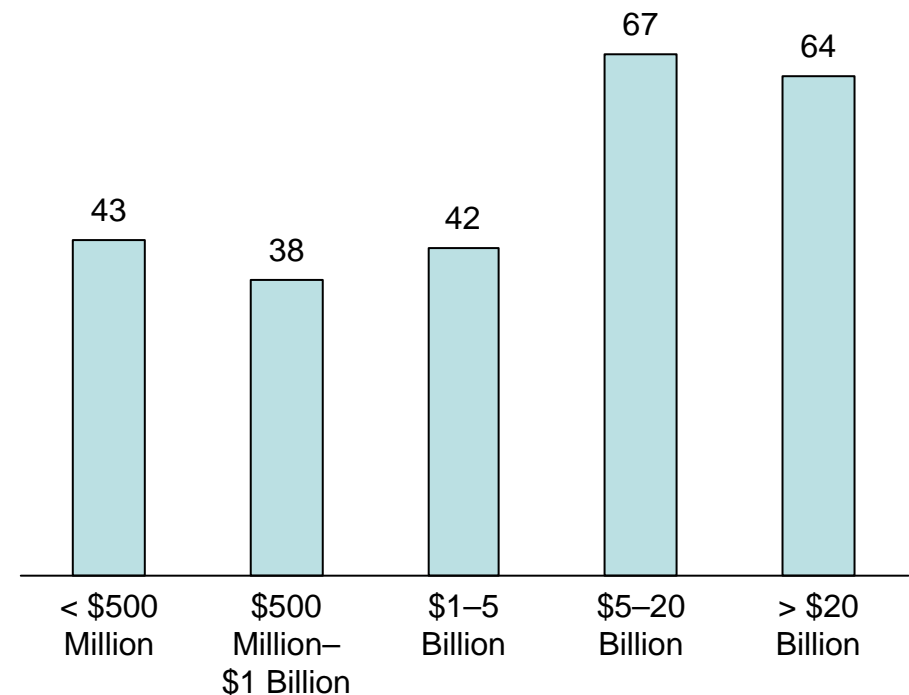


- Creating more possible points of failure
- Impeding triage and diagnosis of application outages
- Mainframes are mainstream!

SLA's are Vital but Hard

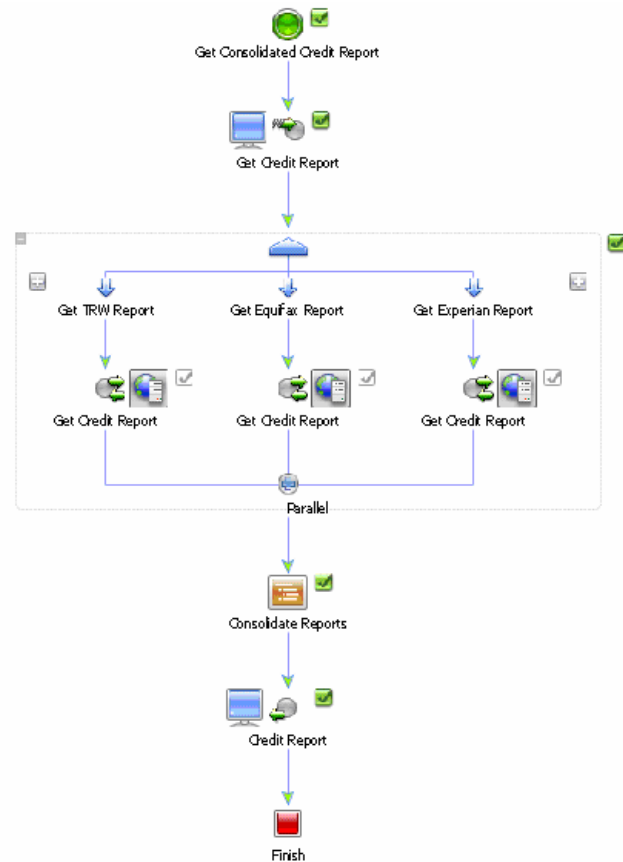
- In 2005 Benchmark Survey:
 - 46% assess performance against SLA targets
 - > 50% cannot reliably measure SLA compliance
- Larger companies use more SLA's:

Percentage Involved with SOA (%)

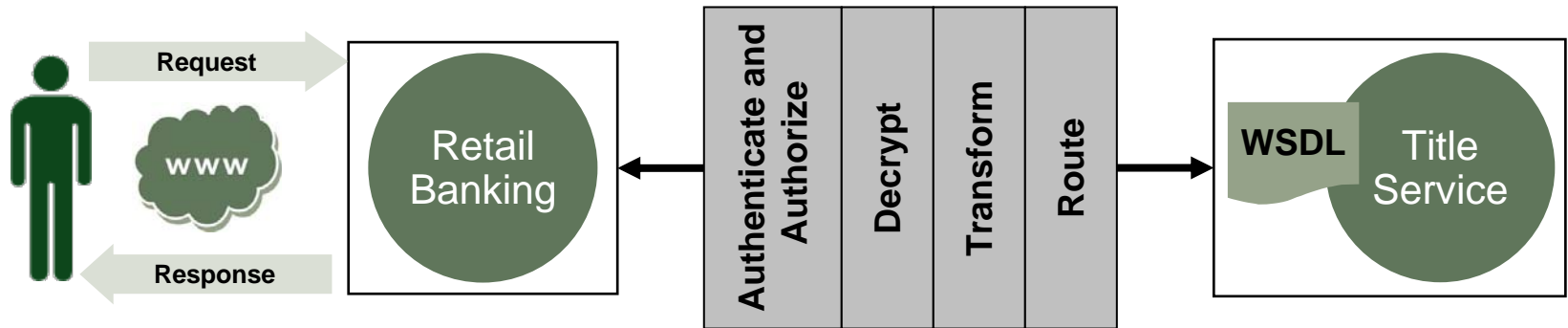


New Technologies Utilized

- BPEL Engines
- Distributed Portals using WSRP
- What kind of overhead do they introduce?
- How do you secure access?



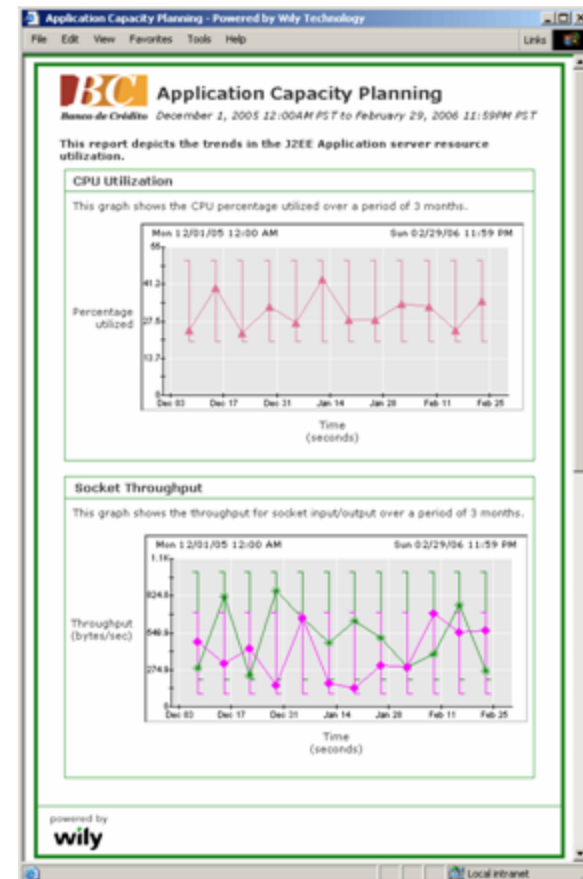
Dynamic Service Routing Based Upon Policy



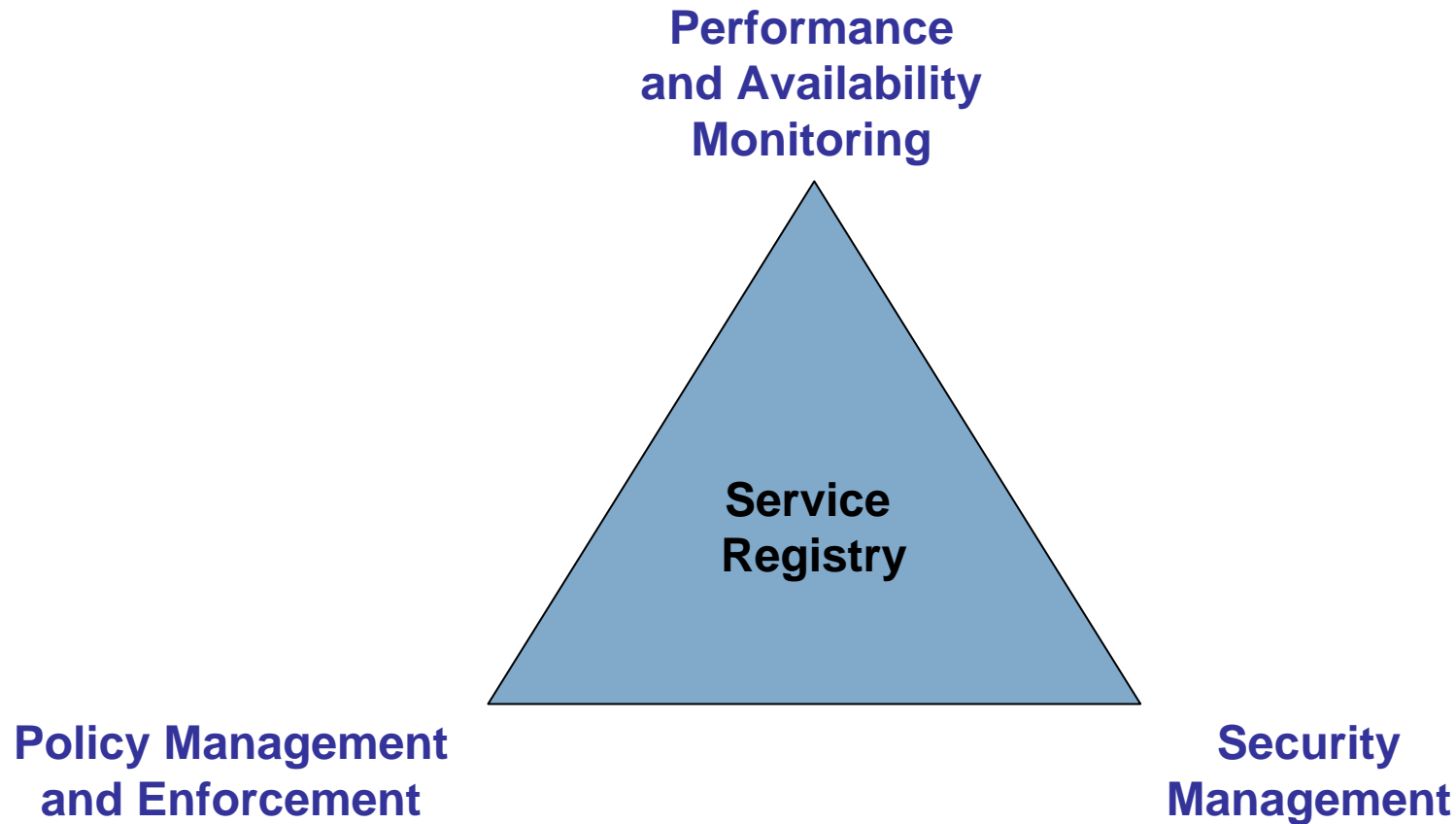
- How to author, deploy and maintain policies?
- How to feed in real-time performance data (SLA's, security violations, etc)?
- What type of overhead do policies introduce into the environment?

Management Discipline Needed Now More Than Ever

- Security management
- Versioning and change
- Capacity planning



Web Services Require Active Governance



Recommendations

1. Monitor your end-to-end business transactions
2. Design a fluid operations organization
3. Manage critical components with SLA's
4. Assess new technologies before they get close to production
5. Be strategic about interception points
6. Plan for comprehensive governance