



UW-Madison and ESBs

Brian Busby, UW-Madison DoIT
Advanced CAMP
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[Background]

- UW-System has been looking @ SOA for years
- 2 years ago UW-System came to a funding decision and passed on acquiring a commercial SOA Suite
- SOA went into hibernation

[And Then.....]

- 2 projects came along that looked to be perfect candidates for SOA
 - Course Roster Information Service
 - Course Guide
- An “executive decision” was made to take advantage of a state of WI license for Cape Clear ESB
- And we’re off!

[Why an ESB]

- Very low cost of entry
- Driver for “service conversations” with functional staff
- Support for multiple integration patterns (PubSub, Request/Response)
- Standard design & development practices
- Multiple adaptors/transports
- Orchestration and assembly
- Transformations
- Virtualization of services

[Issues Particular to an ESB]

- Right-sizing the environment
- ESB as a service hosting facility
- Collaborative development teams (ICC?)
- What aspects of an integration should the ESB handle – drives the design of the endpoint
- Support of an integration

[Issues an ESB Can't Solve (but can inform)]

- Governance
- Ownership
- Security policies
- Web service granularity
- Data representation
- Service Level Agreements
- Service definition & re-use

