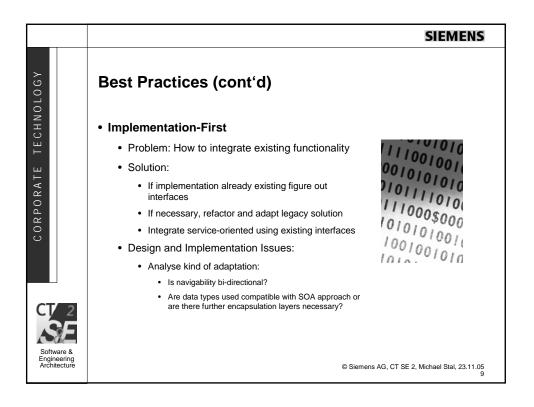
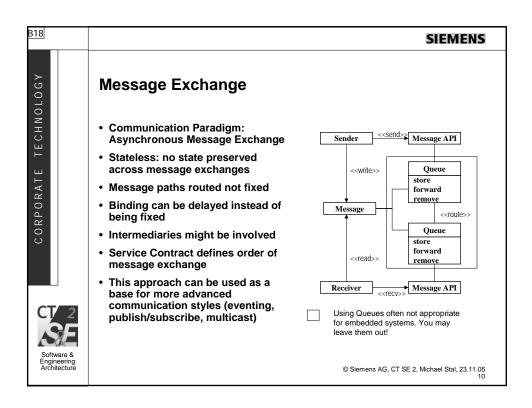
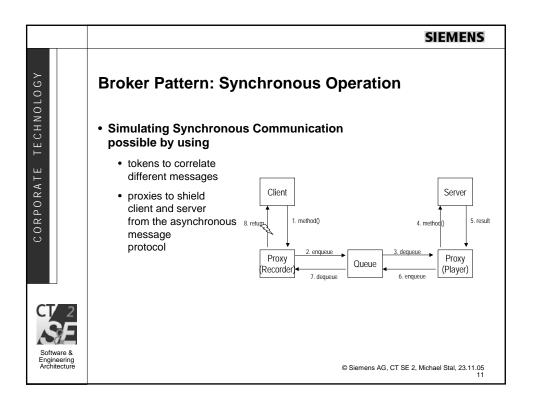


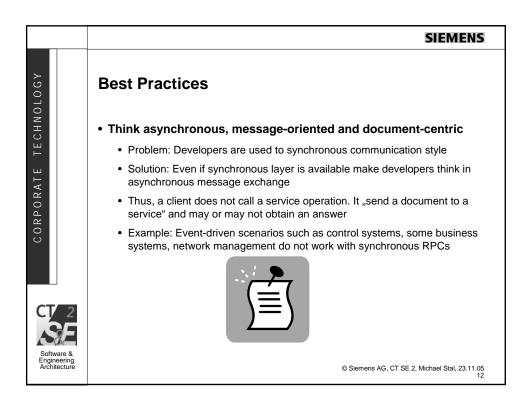
	SIEMENS
году	Best Practices
ATE TECHNO	<ul> <li>Extension Interface Pattern:         <ul> <li>Problem: how to prevent interface bloating</li> <li>Solution: Group different responsibilities/roles in different interfaces. Consider to introduce navigation functionality.</li> </ul> </li> </ul>
ст 2	<ul> <li>Design by Contract (Contract First):</li> <li>Problem: Preventing implementation dependencies</li> <li>Solution: When designing top-down rely on a contract-first approach</li> <li>Main Benefit: Role-Based, implicit interface design</li> <li>Consider Service and Operation Contracts (see WCF aka Indigo):</li> <li>Service Contract (~ WSDL:PortType), Operation Contract (~WSDL:Operation)</li> </ul>
Software & Engineering Architecture	© Siemens AG, CT SE 2, Michael Stal, 23.11.05 8

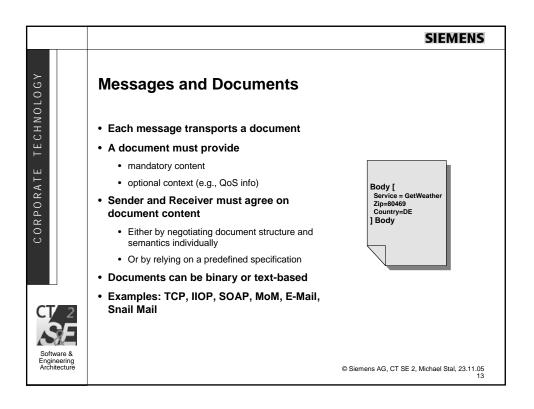


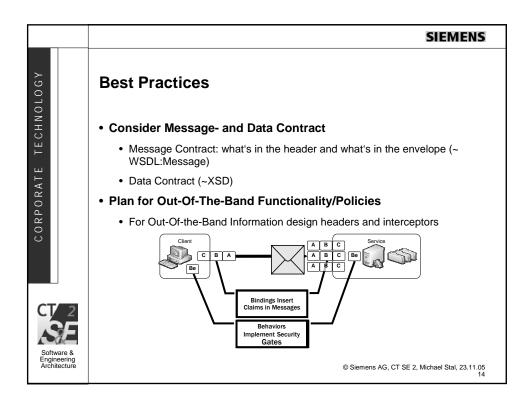


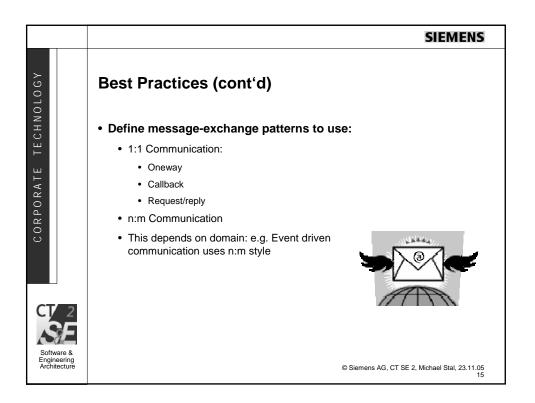
## B18 Mention that queues are optional! Buschmann\_F; 14.09.2005

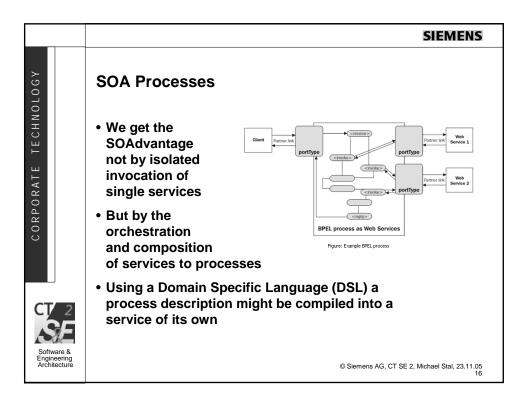


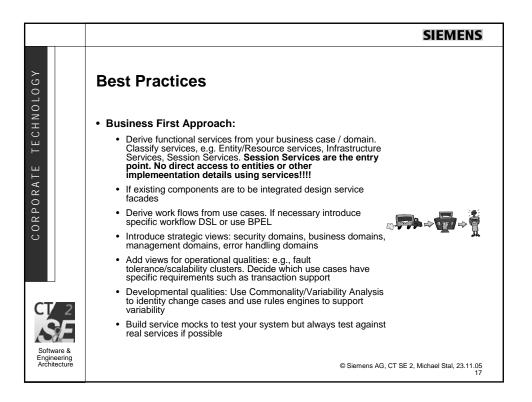


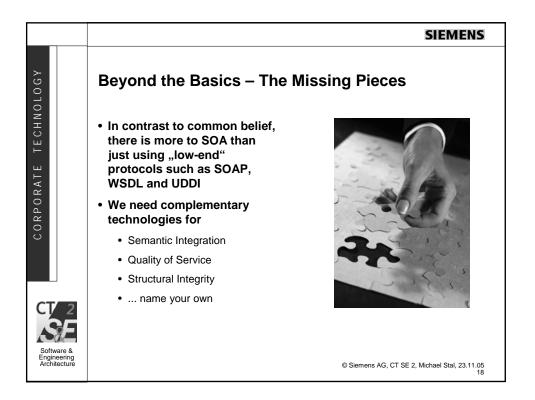


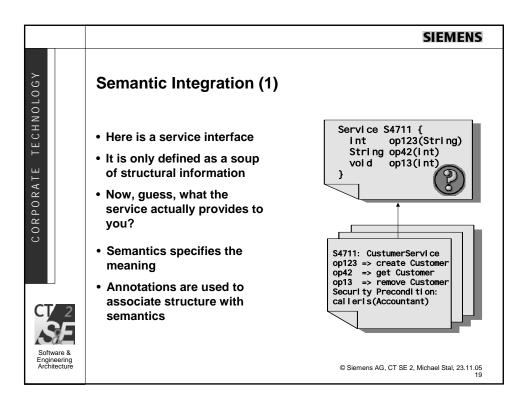


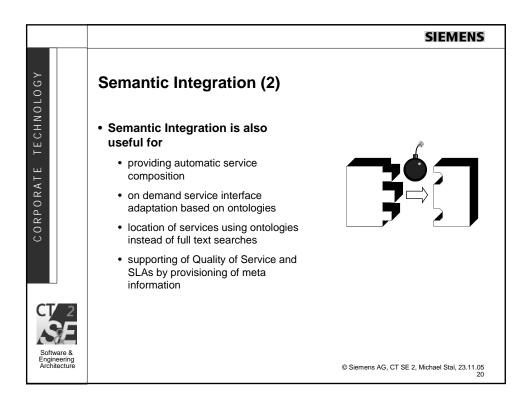


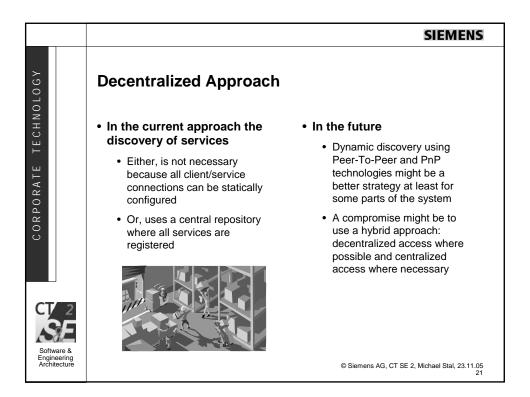


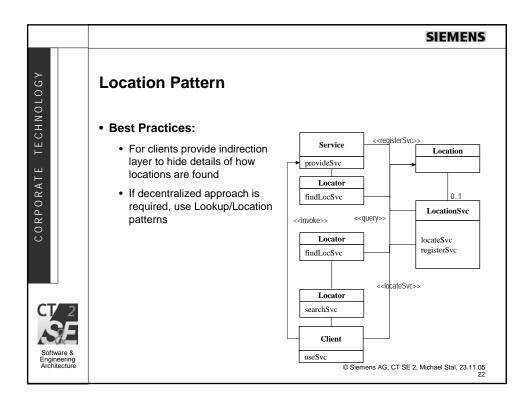


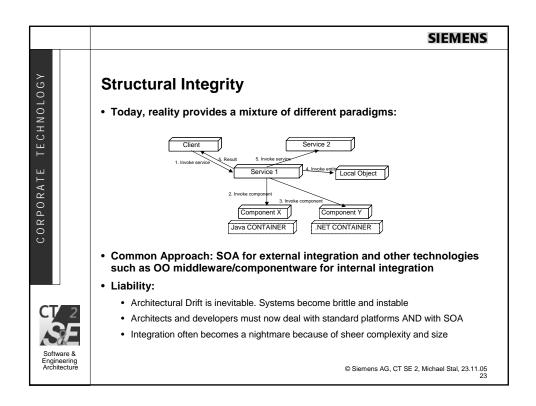




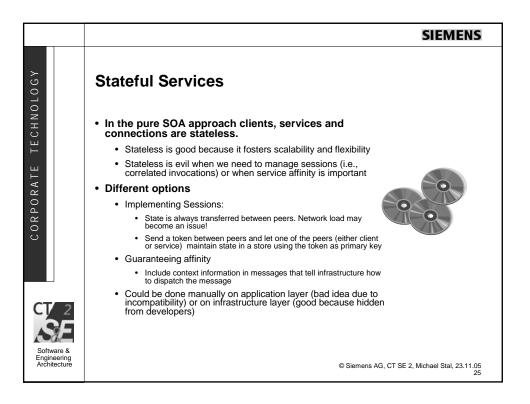


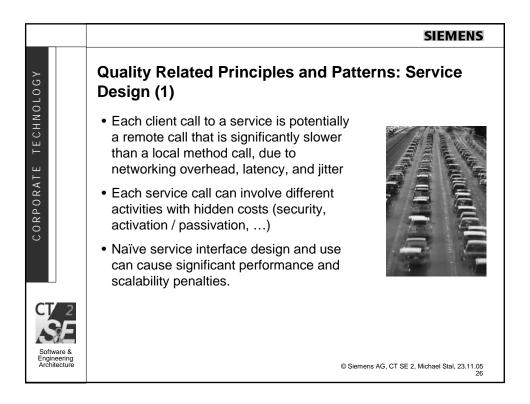


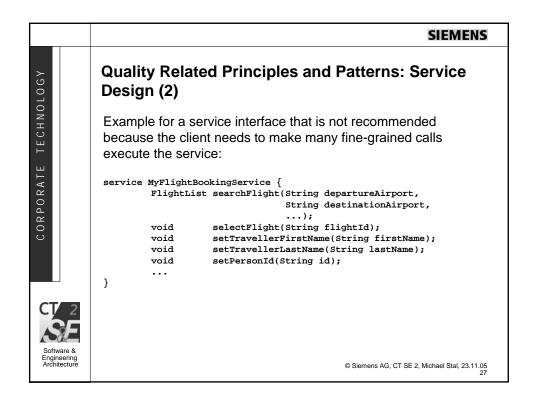


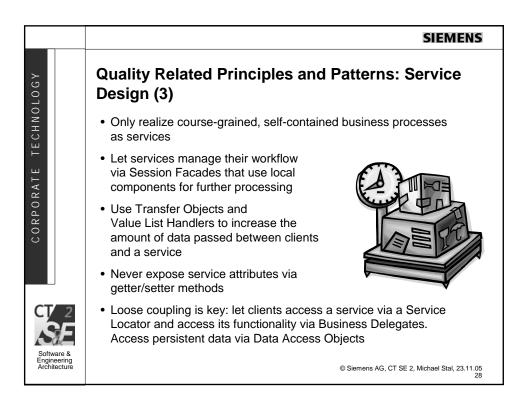


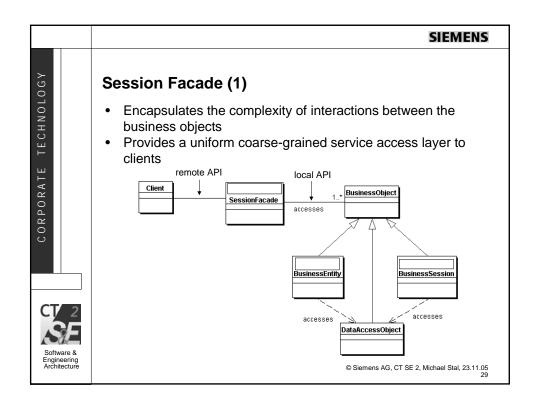
	SIEMENS
огосү	Service Components and Enterprise Service Bus
CHNC	Basic Idea (One Size Fits All):
ΤE	<ul> <li>Shield developers from technology and enable developers to use the SOA paradigm for internal and external integration</li> </ul>
RATE	<ul> <li>Different technologies can be plugged-in transparently (Open/Close Principle)</li> </ul>
RРО	Best practice: Use ESB/Container pattern
C 0	<ul> <li>This implementation should be provided by infrstructure provider</li> </ul>
	<ul> <li>Examples: Microsoft WCF (Windows Communication Foundation), IBM Websphere</li> </ul>
CT A	2 E
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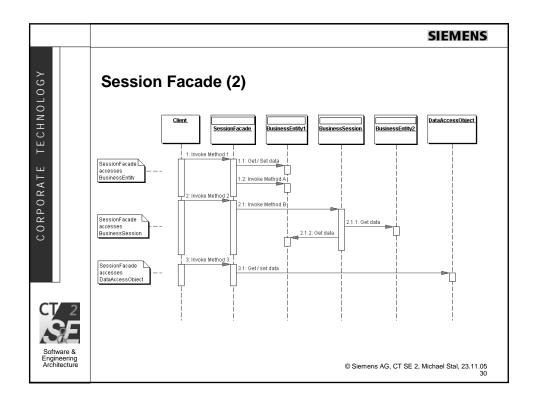


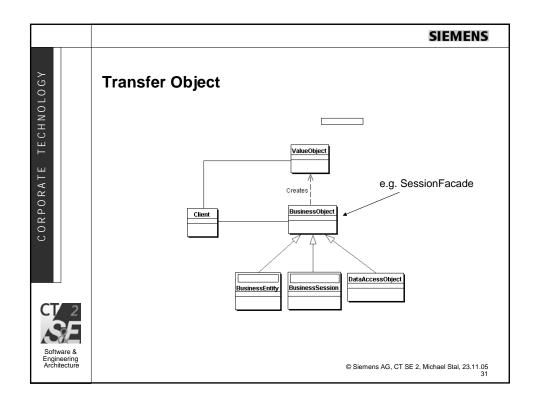


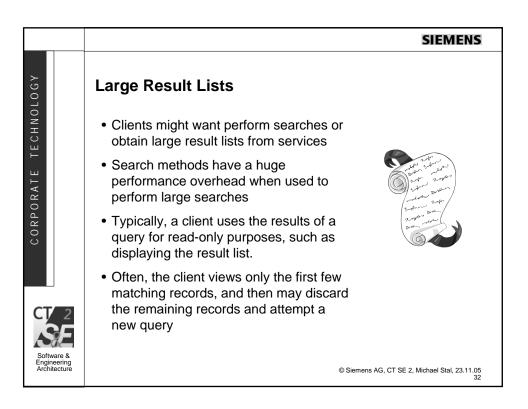


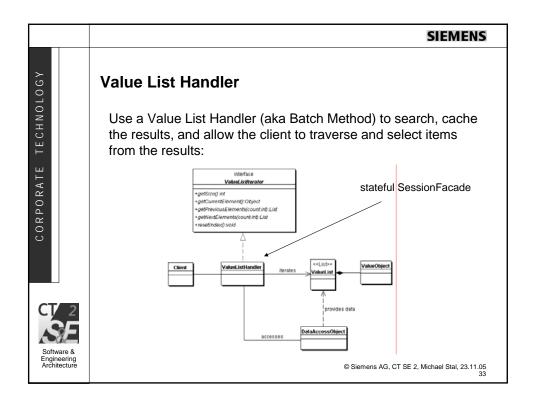


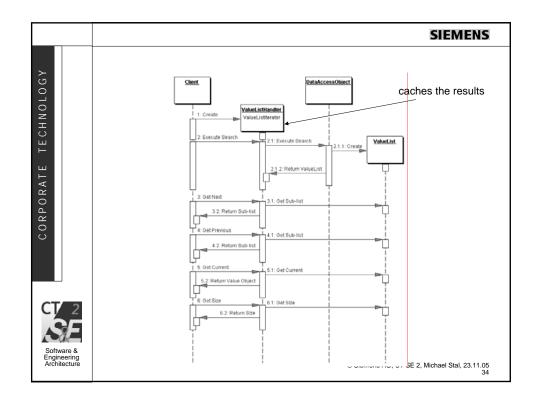


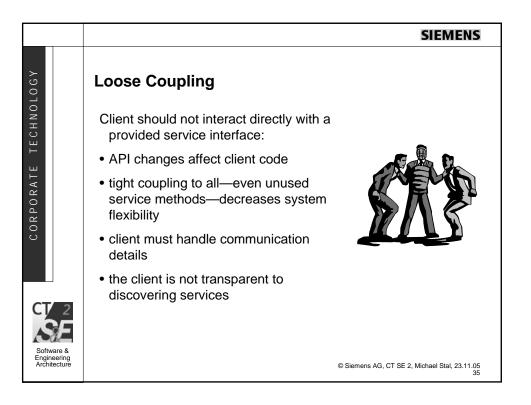












	SIEMENS
CORPORATE TECHNOLOGY	Business Delegate Use one or more role-based Business Delegates (Extension Interfaces) to reduce coupling between clients and services. Each Business Delegate hides underlying implementation details of a remote service, such as lookup, dependencies to the provided service interface, and remote communication details.
Software & Engineering Architecture	Often, business delegates are developed by the service developers and provided to the client developers. © Siemens AG, CT SE 2, Michael Stal, 23.11.05 36

