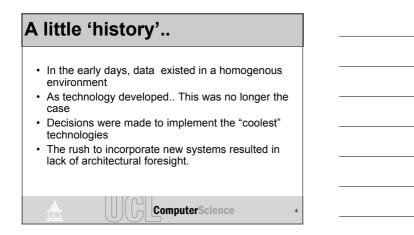
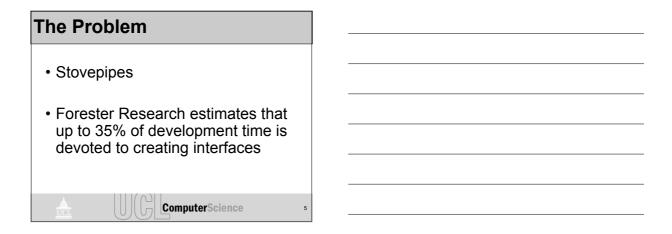
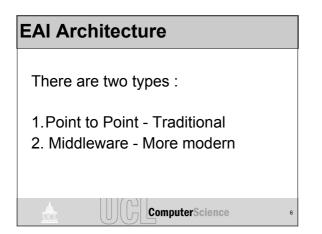
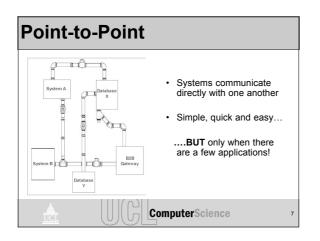


What is	EAI?	
standards, seamless	combination of processes, softw and hardware, resulting in integration of two or more enterp allowing them to operate as o	the prise
	EAI.ITtoolb	ox.com
		3

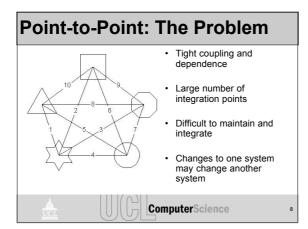




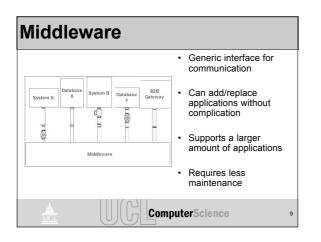














Integration Methods (1)

- Data-level integration
- Application-level integration
- Method-level integration
- User interface-level integration

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10

11

12

Integration Methods (2)

Data-Level Integration

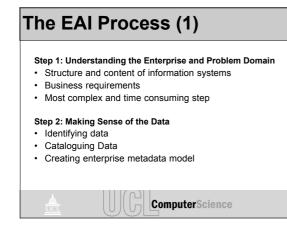
- WHERE data exists, WHICH data flows WHERE and WHY
- Process of moving data between data stores
- Cheaper

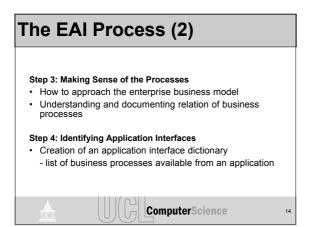
Application-Level Integration

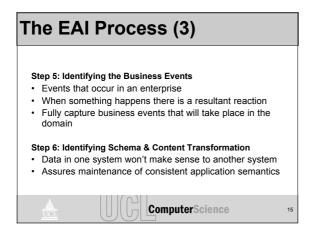
- Using interfaces in custom packages to bundle many applications together
- Most widely used

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Integration Methods (3) Method-Level Integration A more complicated form of application-level integration Sharing of business logic within an enterprise Integrates Applications must support RPC Tight coupling User interface-Level Integration Bundling applications by using UIs as point of integration Usually the last resort







The EAI Process (4)

Step 7: Mapping Information Movement

• What data element or interface information is moving from

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16

17

Step 8: Applying Technology

- Understand available solutions match those to criteria
- Requires pilot project to see if it works

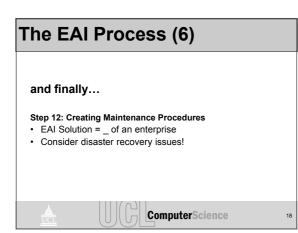
Step 9: Testing!

- Ensure that solution is scalable
- Plan! Most systems are business-critical.

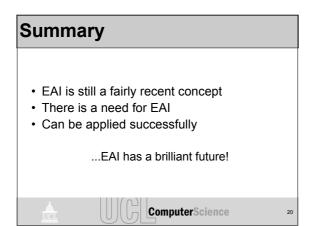
The EAI Process (5)
 Step 10: Considering Performance Response times Test under different conditions
Step 11: Defining the Value Hard Dollar: e.g. Reduction of error rates

e.g. Reduction of error rates Processing orders more quickly Soft Dollar: e.g. Increased productivity over time Customer satisfaction

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TIGRA – an example				
 Before TIGRA IT department for implement, maintain and integrate a applications. 				
Middleware – control reliable trans between front, middle and backend				
 Data Integration using XML and XSLT– resolve semantic differences between different trade data representations. 				
	cience 19			



Further	Reading	
www.EAI.ITToo	lbox.com	
"Enterprise Ap Brown. Wiley 2000	plication Integration" W. A. Ruh, F.X. Maginni	s, W. J.
W. Emmerich,	chitectural Style for Enterprise Application In E. Ellmer and H. Fieglein. Proc. of 23rd Int. n Software Engineering	tegration"
"Enterprise Ap Addison Wesle	plication Integration" David S.Linthicum. ay 20000	
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