Software Architecture

Lecture 5 Quality Attributes

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previously architectural styles

data flow

batch sequential dataflow network (pipe & filter) acyclic, fan-out, pipeline, Unix closed loop control

call-return

main program/subroutines information hiding objects, naive client-server SOA

interacting processes

communicating peers asynchronous messages event systems implicit invocation publish-subscribe

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data-oriented repository

transactional databases true client-server blackboard modern compiler

data-sharing

compound documents hypertext Fortran COMMON LW processes

hierarchical

tiers interpreter N-tiered client-server

Lecture 5 - Quality Attributes - 2

























outline		
 architectural drive capturing quality tradeoffs 	vers attributes	
 QA scenarios discovering scena scenario guid for availability 	rios: QAW <mark>delines</mark> y, modifiability, per	formance, security
• case study		
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