

Architecture Characteristics Worksheet

System/Project: MobilityCorp

Domain/Quantum: Overall System

Architect/Team: Cornerstone Crew

Date: _____ Next Review: _____

Top 3 Driving Characteristics

<div></div>	<u>low latency</u>
<div></div>	<u>strong consistency</u>
<div></div>	<u>scalability</u>
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Implicit Characteristics

<u>feasibility (cost/time)</u>
<u>security</u>
<u>maintainability</u>
<u>observability</u>
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Others Considered

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Common Architecture Characteristics

performance	data integrity	deployability
responsiveness	data consistency	testability
availability	adaptability	abstraction
fault tolerance	extensibility	workflow
scalability	interoperability	configurability
elasticity	concurrency	recoverability

Composite Architecture Characteristics

agility	→	maintainability, testability, deployability
reliability	→	availability, testability, data integrity, data consistency, fault tolerance

^a	denotes characteristics that are related; some systems
^b	only need one of these, other systems may need both

Instructions

- Identify no more than 7 driving characteristics.
- Pick the top 3 characteristics (in any order).
- Implicit characteristics can become driving characteristics if they are *critical* concerns.
- Add additional characteristics identified that weren't deemed as important as the list of 7 to the *Others Considered* list.
- Definitions are on the following pages