

Architecture Characteristics Worksheet

System/Project: Clear View
Architect/Team: Auto bots

Domain/Quantum: ATS
Date: 9/26 Next Review: _____

Top 3 Driving Characteristics

- | | |
|-------------------------------------|-------------------------|
| <input checked="" type="checkbox"/> | <u>Adaptability</u> |
| <input checked="" type="checkbox"/> | <u>Testability</u> |
| <input checked="" type="checkbox"/> | <u>Data Integrity</u> |
| <input type="checkbox"/> | <u>Scalability</u> |
| <input type="checkbox"/> | <u>Interoperability</u> |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |

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

Implicit Characteristics

feasibility (cost/time)

security

maintainability

observability

Others Considered

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