
WSO2
WSO2 Product Administration
WSO2 Training
Module 11 - Delivery
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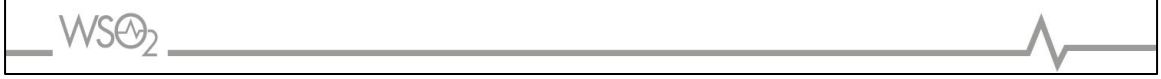
Discoverability

- Enables interoperability among services
- Encourage reuse of components
- Eliminate redundant service development
- Make services discoverable as possible
    - Service documentation
    - Store documented information in a searchable repository

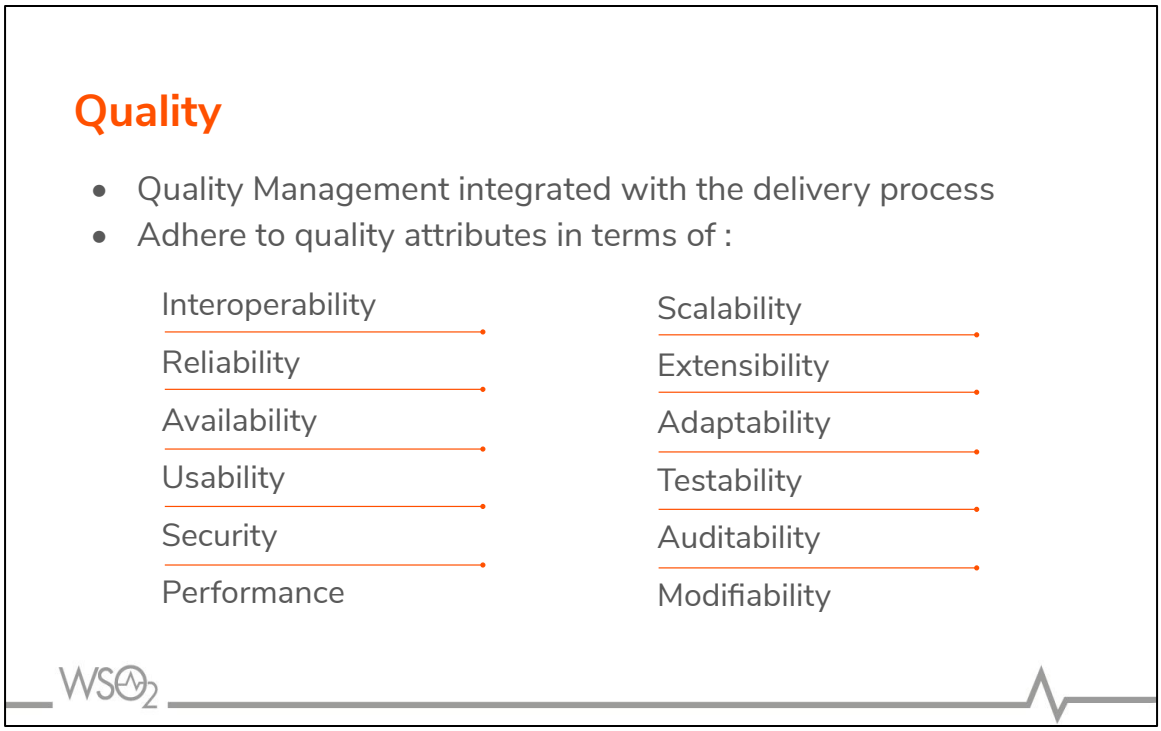


Discoverability enables interoperability among services through the use of metadata.

This intends to encourage reuse of components and eliminate redundant service development.
This prevents accidental creation of redundant services or implementation of redundant logic within services.

In order to do so an individual service is intended to be discoverable as possible.

Documenting the information about the service, Storing the documented information in a searchable repository, and enabling users to search for the documented information in an efficient manner is one way to facilitate this.



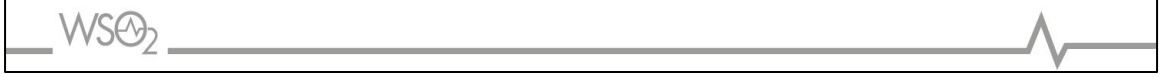
The delivery process should be integrated with quality management, thereby confirming to the standards that meet customer expectations.
In a system in production , the requirements continue to evolve and continuous management of quality is a must with each change in the production system.
Quality of a delivered system should adhere to the following quality attributes and some of them are explained below

- Communicating entities within the system should share information and operate based on agreed operational semantics thereby supporting interoperability.
- The system should be reliable and be able to keep operating overtime with the increasing workload.
- System components should be operational and accessible when required thereby supporting availability.
- The system should be usable, which is the measure of the quality of a user's experience.
- The system should also be secure in terms of confidentiality, authenticity, integrity and availability.
- The system's performance with time and changing workloads should meet customer expectations.
- The system should be scalable. i.e. Ability to function as expected with

- changes in size / volume.
- It should also be extensible. i. easily support extending service capabilities without impacting other services or the system.
- It should be adaptable to changes made to facilitate evolving requirements.
- It should also be easy to establish test criteria related to functionality and performance.
- The system should maintain adequate records to support financial or legal audits thereby supporting auditability.
- Modifiability determines the ability to integrate changes with a system in an efficient and cost effective manner.

Continuous Delivery

- Build production ready systems
- Integration all types of changes continuously
    - Features
    - Configuration
    - Bug fixes
    - Artifacts
- Leads to
    - Low risk releases
    - Higher quality
    - Lower costs



Continuous delivery ensures building systems in a way that they can be released for production at any time.
For this you need to ensure that all types of changes including features, configurations, bug fixes and artifacts are integrated with the system in a quick and sustainable manner.
Continuous delivery ensures Low risk releases, higher quality and Lower costs.

THANK YOU

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