

SOA (Service-Oriented Architecture) Principles

1. Standardized Service Contracts

Services should follow a common set of design standards, making them consistent and easy to understand.

2. Loose Coupling

Services should be minimally dependent on each other, allowing them to function independently and be modified without affecting others.

3. Abstraction

The internal details of a service should be hidden from consumers while exposing only what is necessary through well-defined interfaces.

4. Reusability

Services should be designed in a way that allows them to be used in multiple applications or business processes.

5. Autonomy

Each service should have control over its own logic and resources, ensuring independent execution.

6. Statelessness

Services should not retain client-specific information between requests, making them scalable and efficient.

7. Discoverability

Services should be easily found and understood, often through service registries or metadata descriptions.

8. Composability

Services should be designed to be combined to create larger, more complex applications.