

#48 - Is the deployment provider trustworthy?

Go to discussion

#Trust #Hardware

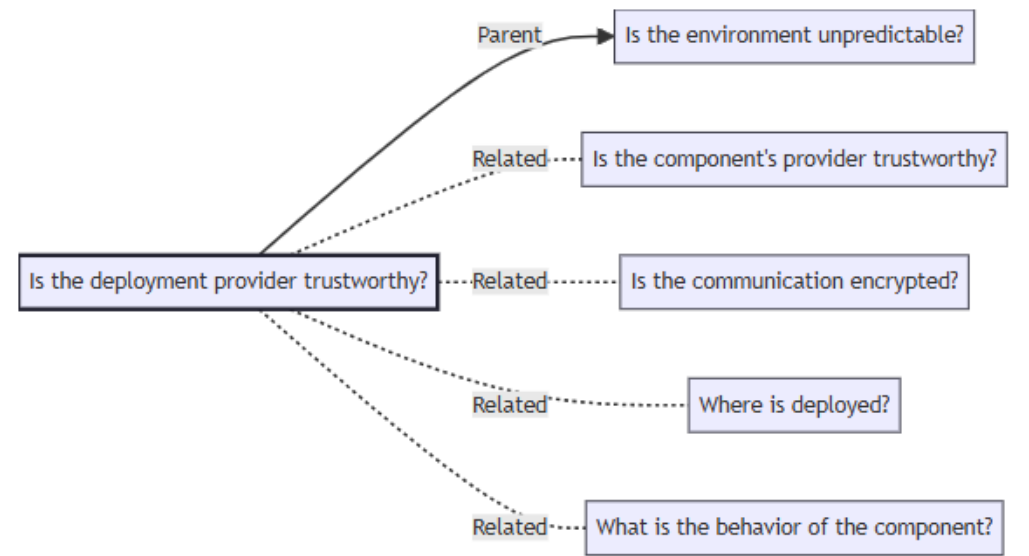
Uncertainties emerge concerning the trustworthiness of the deployment provider in software, raising questions about security, and ethical considerations associated with the deployment environment.

[Literature Reference](#)

Example

In a cloud-based application, the uncertainty about the deployment provider's trustworthiness involves questioning whether the chosen cloud service ensures data security and system availability or whether or not data is made available to third parties such as governmental institutions.

Related Uncertainties



Classification:

Location: *Environment*

Describes where an uncertainty manifests itself within the architecture and which view or concern of the software architecture is primarily applicable.

- Behavior
- Environment
- Input
- Structure

Architectural Element Type: *External*

Describes the type or class of elements to which an uncertainty can be assigned when considering its impact on a software system's confidentiality.

- Behavior
- Component
- Connector
- External
- Interface

Type: *Scenario Uncertainty*

Describes how much is known about the uncertainty and how it can be described on a scale from only being aware to having precise knowledge. This only provides a first estimate and may change with growing knowledge.

- Statistical Uncertainty
- Scenario Uncertainty
- Recognized Ignorance

Manageability: *Partially Reducible*

Describes whether and to which extent the uncertainty can be managed, reduced, or mitigated. This only provides a first estimate and may change with growing knowledge.

- Fully Reducible
- Partially Reducible
- Irreducible

Resolution Time: *Runtime*

Describes the rough time span in the development process where the uncertainty is usually expected to be fully resolved.

- Requirements Time
- Design Time
- Realization Time
- Runtime

Reducible by ADD: *Yes*

Describes whether the uncertainty is resolvable by an architectural design decision, i.e., a decision that specifies or restricts a software's structure or behavior, limiting the design space.

- Yes
- No

Impact on Confidentiality: *Indirect*

Describes the impact on confidentiality requirements. This only provides a first, system-independent estimate.

- Direct
- Indirect
- None

Severity of the Impact: *High*

Describes the severity if the uncertainty is not mitigated. This only provides a first, system-independent estimate.

- High
- Low
- None