

Communication Characteristic

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Discussion

Communication among entities may exhibit characteristics that affect the behavior of the distributed system using that communication.

A Communication Characteristic identifies an aspect of communication that may be described, constrained, configured, measured, or reproduced.

Examples may include latency, communication protocol, delivery behavior, or [Quality of Service](#) characteristics.

A Communication Characteristic is distinct from a [Communication Parameter](#). The characteristic identifies the aspect of communication being described. A Communication Parameter specifies a value, condition, or constraint governing that characteristic.

Definition

a characteristic describing an aspect of information exchange between communicating entities

Source

DIDO Solutions architectural definition derived from DIDO-TE communication requirements and DIDO Reference Architecture communication and Quality of Service concepts.

Note

The definition does not prescribe the set of Communication Characteristics supported by a particular system.

Specific characteristics become normative only when identified by an applicable architecture, requirement, [Configuration](#), or [Test Definition](#).

Example

Latency is a Communication Characteristic. A configured maximum latency of 50 milliseconds is a value associated with that characteristic.

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