

Health Reporting Role

[Go up to Terms and Definitions](#)

Discussion

The Health Reporting Role identifies responsibility for reporting the operational condition of an FX logical Node.

This role includes reporting lifecycle state, health status, availability, degradation, failure, recovery progress, warning conditions, timestamp, and status reason.

The Health Reporting Role participates primarily in the FX Logical [Health and Observability Plane](#). It also supports the FX Logical [Control Plane](#) when health observations trigger commands or recovery coordination, and it supports the FX Logical [Audit and Provenance Plane](#) when status records support review or [evidence](#).

Definition

responsible for reporting operational condition

Source

Specialization of Logical Node Role from [Part 2: Distributed Node-Based Logical Architecture](#), Section 6.4, Logical Health and Observability Plane from [Part 2: Distributed Node-Based Logical Architecture](#), Section 9.4, and [Health and Observability Plane](#) from [Part 1: Conceptual Architecture](#), Section 8.4; generalised from health monitoring, Node status, heartbeat, and observability material in the original FX Demo [Reference Architecture](#).

Note

The Health Reporting Role does not prescribe a metrics tool, dashboard, telemetry format, log format, DDS status topic, REST endpoint, RPC method, or monitoring API.

Example

An FX Validation Node performs the Health Reporting Role when it reports that its lifecycle state changed from Running to Degraded.

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