

FX Health and Observability Node

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Discussion

The FX Health and Observability Node observes and reports operational conditions across the FX logical node network.

The FX Health and Observability Node performs health monitoring and observability responsibilities. It receives FX Node Status information, monitors lifecycle states, identifies degraded or failed logical conditions, publishes health observations, and supports operational review and evidence expectations.

The FX Health and Observability Node participates primarily in the FX Logical [Health and Observability Plane](#). It also interacts with the FX Logical [Control Plane](#) when health observations trigger control commands or recovery coordination.

Definition

responsible for observing and reporting operational conditions across the FX logical node network

Source

Specialization of Logical Node from [Part 2: Distributed Node-Based Logical Architecture](#), Section 6.2, 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 FX Health and Observability Node does not prescribe metrics tooling, dashboard tooling, telemetry format, log format, monitoring API, DDS status topic, REST endpoint, or deployment mechanism.

Example

The FX Health and Observability Node receives status reports from FX logical Nodes and records that the FX Validation Node moved from Running to Degraded.

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