

FX Node Status

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Discussion

FX Node Status represents the logical operational condition of an FX logical [Node](#).

FX Node Status identifies FX logical [Node Identity](#), lifecycle state, health condition, availability, degradation, warning or failure condition, recovery progress, timestamp, status reason, and [Provenance](#) or [Evidence](#) reference.

FX Node Status participates primarily in the FX Logical [Health and Observability Plane](#). It also supports the FX Logical [Control Plane](#) when status information triggers commands or recovery coordination, and it supports the FX Logical [Audit and Provenance Plane](#) when status history supports review or evidence.

Definition

operational condition of an FX logical [Node](#)

Source

Specialization of Logical Node Lifecycle State from [Part 2: Distributed Node-Based Logical Architecture](#), Section 6.8, 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 Node status, heartbeat, health monitoring, and observability material in the original FX Demo [Reference Architecture](#).

Note

FX Node Status does not prescribe a telemetry payload, metrics record, log entry, API response, DDS sample, monitoring dashboard, or orchestration status object.

Example

FX Node Status reports that the FX Validation Node changed from Running to Degraded and identifies the timestamp and status reason.

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