

# FX Node Status

[Go up to Terms and Definitions](#)

## 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

Specialisation 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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