

12.3 Report FX Node Status

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The Report FX Node Status pattern allows an FX logical **Node** to report its operational condition.

A reporting FX logical **Node** provides **FX Node Status** information, including FX logical Node identity, lifecycle state, health condition, availability, degradation, warning or failure condition, recovery progress, status reason, timestamp, and provenance or **Evidence** reference.

The interaction belongs primarily to the **Logical Health and Observability Plane**. It also supports the **Logical Control Plane** when a status report triggers a command or recovery action, and it supports the **Logical Audit and Provenance Plane** when status records support review, reconstruction, or **Evidence**.

Table 12-2: Report FX Node Status interaction pattern.

Element	FX logical treatment
Primary Runtime Plane	Logical Health and Observability Plane
Producing FX Node Role	Health Reporting Role
Consuming FX Node Role	Health and Observability Node, Registry and Coordination Node, Audit and Provenance Node
Primary information	FX Node Status
Supporting information	Node identity, lifecycle state, timestamp, status reason, warning or failure condition, recovery progress
Traceability expectation	Status report traces to the reporting FX logical Node and its lifecycle state
Evidence expectation	Captured status records support operational review, recovery analysis, and Evidence of the FX Node condition

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