

10.3 Report Node Status

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The Report Node Status pattern allows a [Logical Node](#) to report its operational condition.

A reporting [Logical Node](#) provides status information such as [Logical Node Identity](#), lifecycle state, health condition, timestamp, status reason, warning or failure condition, recovery state, and provenance 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, and it supports the [Logical Audit and Provenance Plane](#) when the architecture records status history for review, reconstruction, or [Evidence](#).

Table 10-2: Report Node Status logical interaction pattern

Element	Logical treatment
Primary Runtime Plane	Logical Health and Observability Plane
Producing Logical Node Role	Status Reporting Node
Consuming Logical Node Role	Health Monitoring, Control, Oversight, or Audit Node
Primary information	Node status report
Supporting information	Logical Node Identity , lifecycle state, timestamp, status reason, warning or failure condition
Traceability expectation	Status report traces to the reporting Logical Node and relevant lifecycle state.
Evidence expectation	Captured status reports support operational review, recovery analysis, and Evidence of Node condition.

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