

FX Command Acknowledgement

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Discussion

An FX Command Acknowledgement represents the outcome of receiving or processing an FX Control Command.

The FX Command Acknowledgement identifies the original command, acknowledging FX logical [Node](#), acknowledgement status, timestamp, reason, resulting lifecycle state, and [Provenance](#) or [Evidence](#) reference.

FX Command Acknowledgements participate primarily in the FX Logical [Control Plane](#). They also support the FX Logical [Health and Observability Plane](#) when the acknowledgement reports operational state and the FX Logical [Audit and Provenance Plane](#) when command outcomes support review or evidence.

Definition

receipt, acceptance, rejection, completion, failure, or outcome of an FX Control Command

Source

Specialization of Logical Acknowledgement from [Part 2: Distributed Node-Based Logical Architecture](#), Section 8.7, Logical Command from [Part 2: Distributed Node-Based Logical Architecture](#), Section 8.6, and [Traceability](#) from [Part 1: Conceptual Architecture](#), Section 7.10; generalised from command acknowledgement and control-plane material in the original FX Demo [Reference Architecture](#).

Note

An FX Command Acknowledgement does not require synchronous communication, blocking calls, command middleware, orchestration status, [API](#) response, DDS sample, or queue message.

Example

An FX Command Acknowledgement reports that the FX Validation Node accepted a retry command and entered the Recovering lifecycle state.

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