

Execution order

Process messages until $\text{messageTimeStamps} > \text{currentSimulationTime} + \text{simulationStepSize}$

Data
Middleware
Node



message x:
 $\{ \text{"time"} = \text{WCT}_x, \text{"a"} = 5 \}$

Override current state
with new values

EDB FMU State:
 $\{ \text{"a"} = \text{a_initial}, \text{"b"} = \text{b_initial} \}$

EDB FMU State:
 $\{ \text{"a"} = 5, \text{"b"} = \text{b_initial} \}$

Data
Middleware
Node



message y:
 $\{ \text{"time"} = \text{WCT}_y > \text{WCT}_x, \text{"b"} = 10 \}$

Override current state
with new values

EDB FMU State:
 $\{ \text{"a"} = 5, \text{"b"} = 10 \}$

Data
Middleware
Node



message z:
 $\{ \text{"time"} = \text{WCT}_z > \text{WCT}_y, \text{"a"} = 7 \}$

Override current state
with new values

EDB FMU State:
 $\{ \text{"a"} = 7, \text{"b"} = 10 \}$

