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THE FRENCH AEROSPACE LAB

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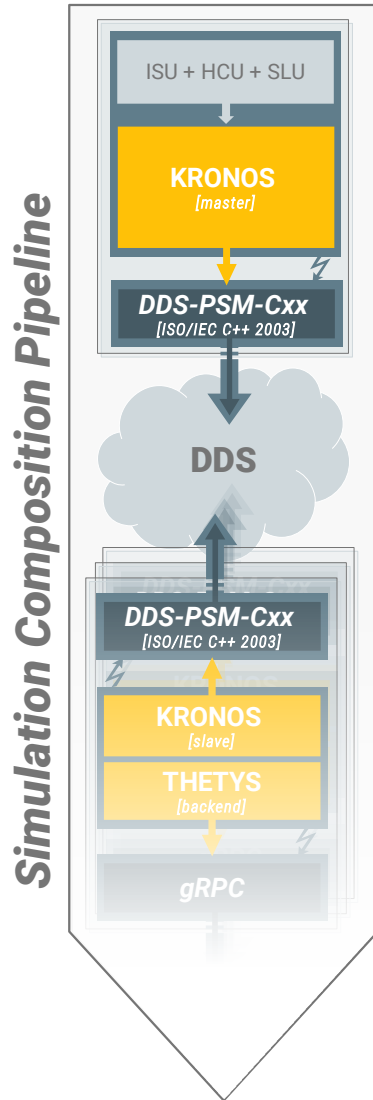


Simulation Software Ecosystem

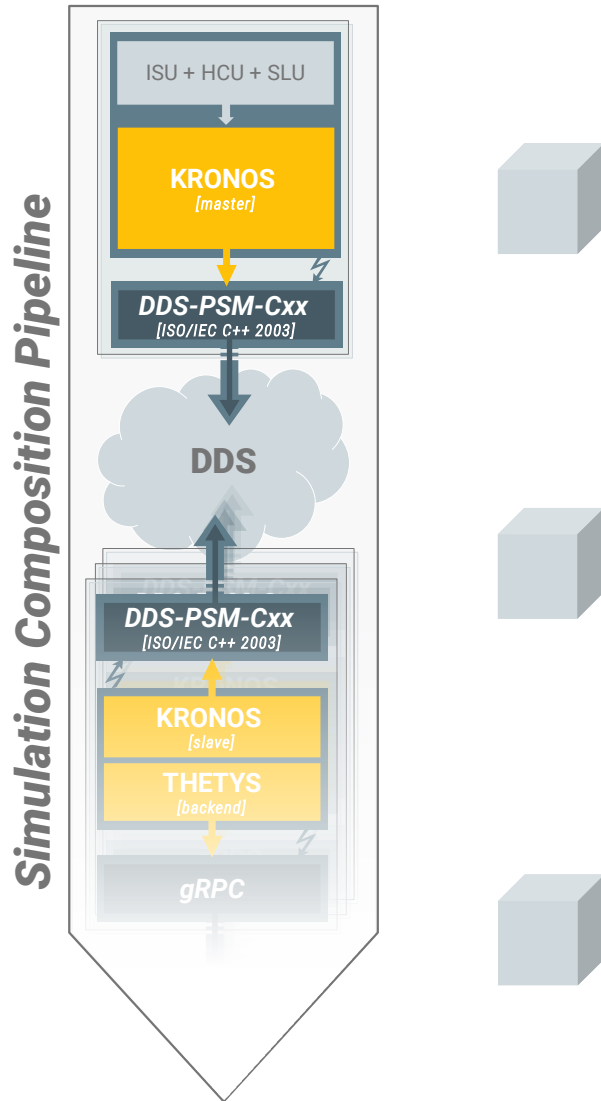
Simulation Composition Pipeline

simulation_software_ecosystem-> Simulation composition pipeline

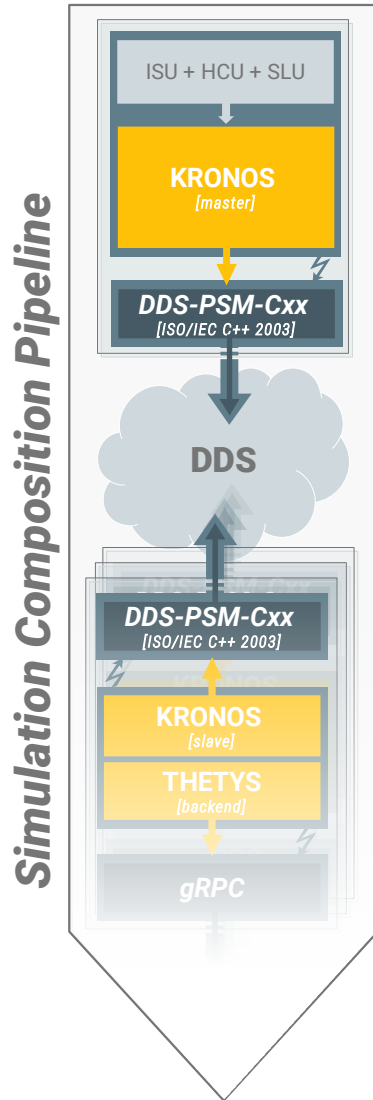
simulation_software_ecosystem-> Simulation composition pipeline



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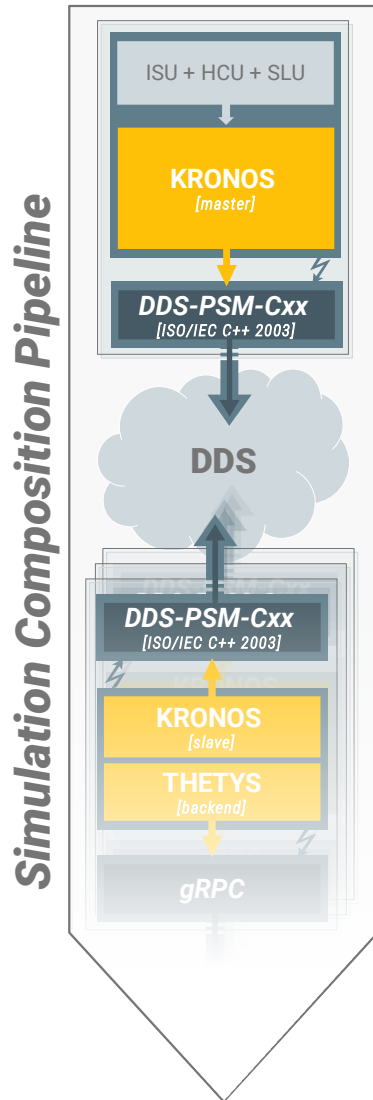
simulation_software_ecosystem-> Simulation composition pipeline



Characteristics

- Agent-based simulation
- Process-based encapsulation
- Data-centric architecture

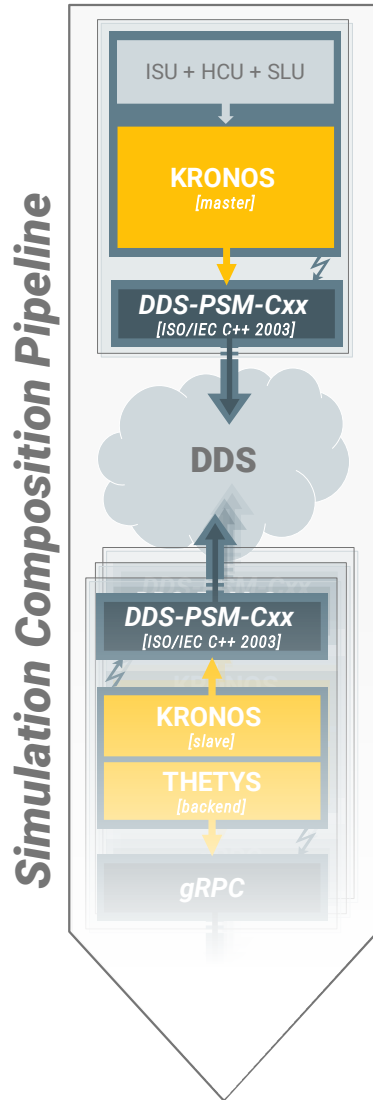
simulation_software_ecosystem-> Simulation composition pipeline



Components

- **KRONOS** : a real-time data-centric distributed simulation software ecosystem
- **RHEA** : the KRONOS simulation's configuration file generator

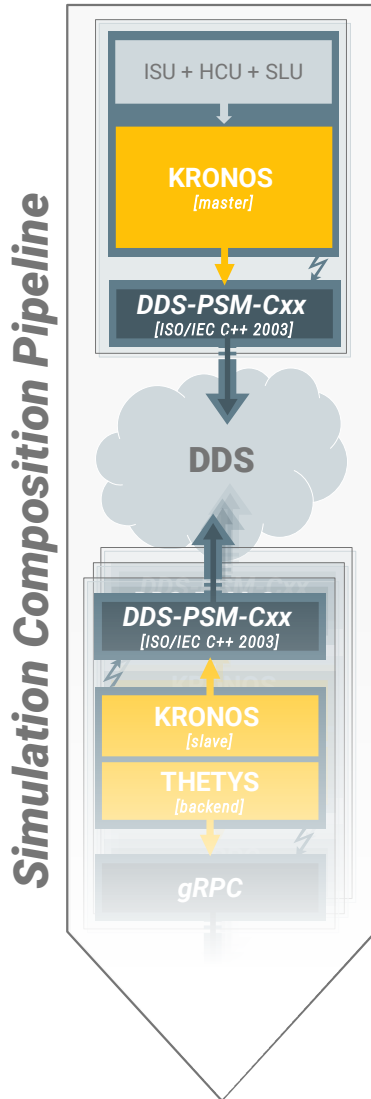
simulation_software_ecosystem-> Simulation composition pipeline



Properties

- Supported OS : Linux & Windows
- Supported DDS middleware distribution : Vortex OpenSplice Community-Edition v6.4
- DDS middleware integration : standard ISO C++ → DDS-PSM-Cxx
- Fully configured through XML

simulation_software_ecosystem-> Simulation composition pipeline



Characteristics

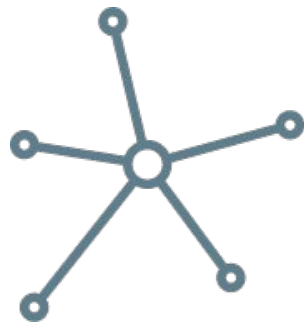
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LABSIM

<http://www.labsim.github.io>