ONERA

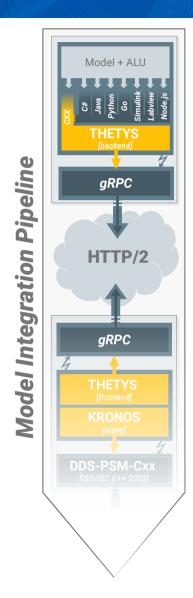
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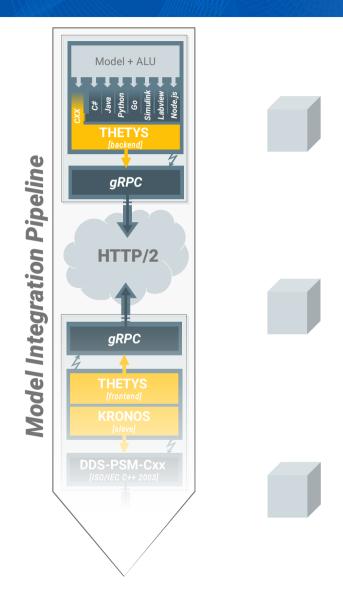
Simulation Software Ecosystem Model Integration Pipeline



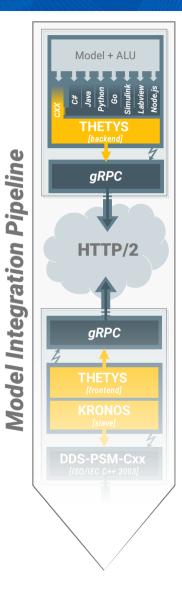










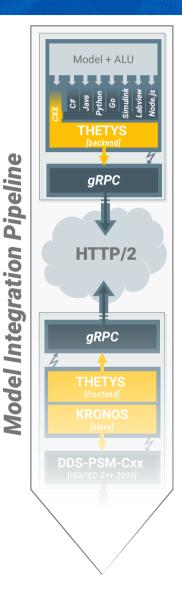




Caracteristics

- Model-based integration: heterogeneous scientific domain, multiple langage connectors
- Process-based encapsulation
- Data-centric architecture







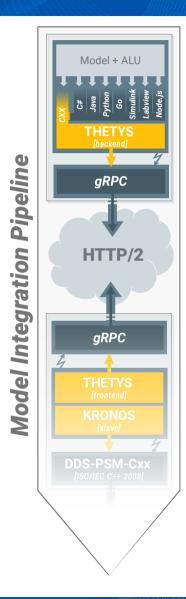


Components

- **THETYS**: a real-time data-centric simulation process integration layer
- OCEAN: the THETYS process's configuration file generator









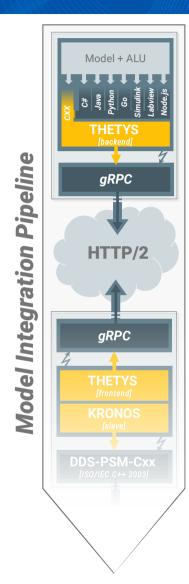




Properties

- Supported OS: Linux & Windows
- HTTP/2 transport layer via gRPC & Protobuf
- Fully configured through XML







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http://www.labsim.github.io

