



## Magillem Virtual Prototype

### Overview

Magillem Virtual Prototype (MVP) solution answers the needs of designers of complex embedded systems who need to create, configure, analyze, and maintain a Virtual Platform. Featuring a unique Integrated Design Environment (IDE) based on the IP-XACT (IEEE 1685) open standard and an intuitive GUI, MVP offers designers an automated process that enables them to assemble and configure Virtual Prototyping platforms.

MVP can be used as a stand-alone platform for assembling and interconnecting IP blocks at ESL, or in conjunction with the complete Magillem product suite to offer a high-value and comprehensive top-down design solution.

### Main features

- Unique IP-XACT-based Virtual Prototyping tool : provides an EDA-tools independent environment,
- Enables to check before simulation,
- Helps manage complex designs, connections and configurations
- SystemC to IP-XACT importer
- IP-XACT to SystemC netlister and execution flow
- Provides a direct link to RTL design
- Provides a direct link to software design

### Benefits

- Better architecture exploration
- Lower simulation costs
- Facilitates early software development
- Provides a direct and incremental path to RTL design
- True reuse methodology based on standards

### Related resources

- Video [Magillem Virtual Prototype](#)