

The portable Run-time  
Infrastructure

for HLA 1.3

- **Reliable and stable**
- **High performance**
- **Powerful graphical user interface**
- **Easy to install, configure and run**
- **Low resource requirements**
- **Complete, certified and HLA compliant**
- **Commercially packaged and supported**
- **The RTI for maximum developer and end-user productivity**

Makes your simulations interoperate using the HLA standard!

## Background

The objective of HLA is to establish a common high-level simulation architecture to facilitate interoperability of all types of models and simulations among themselves and with C4I-systems, as well as to facilitate reuse of M&S components.

The HLA Runtime Infrastructure (RTI) is the software component of HLA that makes it technically possible for simulations to inter-operate. The RTI provides commonly required services to simulations for coordination of operations and data exchange during an HLA federation execution.

## pRTI™ 1.3

The portable RTI 1.3 is a platform independent implementation of all services documented in the HLA Interface Specification v1.3.

## pRTI™ 1.3 Advantages

### Reliable and stable

pRTI™ 1.3 is superior for long-running federations. It handles unreliable federates gracefully including automatic resign, ownership and time management recovery and more.

### High performance and small requirements

pRTI™ 1.3 offers excellent performance. For many large federations it is the best performer. pRTI™ 1.3 features sender-side filtering for updates and interactions, which will substantially reduce network and CPU load in large federations. You may also reduce the workload of your federates using advisories which impose very little overhead. Still pRTI™ 1.3 has very modest CPU and memory requirements.

### Easy to install and run

pRTI™ 1.3 is extremely easy to install and configure. It is easy to mix various platforms and languages in

the same federation. The network setup is very simple and it works well over a WAN such as the Internet.

### Powerful graphical user interface and debugging

The powerful graphical user interface is included in the base product. It displays federates, declarations, objects, ownership, federate time and more. One of the debugging tools is a logging facility that lets you inspect the communication between your federate and pRTI™.

### Complete, certified and HLA compliant

pRTI™ 1.3 is a complete implementation of the HLA specification that has been certified by DMSO. This is a requirement for your federation to be HLA Compliant.

### Commercially packaged and supported

It is possible to get an OEM license to include it with your products. You can get local support and consulting in the US, even for classified projects.

## Product Family

The pRTI™ 1.3 base license enables you to run pRTI™ with the Java API with a certain number of federates. In addition to this you can purchase add-ons such as:

- C++ interface for Windows
- C++ interface for Linux

## Support

Pitch offers commercial support for pRTI™ 1.3 users directly or through our local distributors. The pRTI™ 1.3 support includes:

- Updates and upgrades
- Technical assistance via web and email. Phone support available on some markets.

## The Company

Pitch is a leading supplier of commercial tools and services to the

modelling and simulation community. Pitch's business concept is to improve the utilization of business-critical knowledge through computer-based support systems.

Business areas:

- Distributed Simulation
- Decision Support
- Knowledge Management

## Contact Info

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## Distributors

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<http://www.aegistg.com>

**France:** OKTAL SE  
<http://www.oktal-se.fr>

**Italy:** TESS-COM Italia s.r.l.  
<http://www.tess-com.it>

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<http://www.hwacreate.com.cn>

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