

Siege

A rich client framework for use in a high performance computing environment.

See [Rich Client Platform](#).

Downloads

Siege has been in beta for about 18 months; it has been undergoing testing in connection with the LEAD project, and in particular, was used by 70 participants at the [2006 Unidata Workshop](#); see further the report delivered to the [American Meteorological Society](#).

[Download](#) the latest version (available for Linux x86, MacOS ppc, MacOS x86, and Win32).

Purpose

This client is intended to serve as a general-purpose work environment for application scientists wanting to run distributed workflows on production resources (such as on the [Teragrid](#)).

The choice of the Eclipse platform is a natural one, inasmuch as integration with other special tools (for instance, the [Parallel Tools Platform](#) or the [Eclipse Test & Performance Tools Platform](#)) is greatly facilitated by the common framework. It also provides a readily available, standardized way for extending the user environment with customized views for specific scientific applications.

Installation

1. Download the package for your hardware/software combination.
2. Unzip to your favored application location.
3. Execute `siege` (or the `eclipse` icon) from the `siege` directory.

Views & Perspectives

The current releases include the following views and perspectives:

1. **Broker** Perspective: for interacting with the [Workflow Broker](#)
 - **Workflow Repository** View & Editor: for preparing and launching workflows
 - **Workflow Monitor** View: for examining the status of a launched workflow
2. **Broker Admin** View: for obtaining from the [Workflow Broker](#) summary information about workflows launched by the user
 - **Event Monitor**: more detailed than the Workflow Monitor view, offering node-by-node events all the way down to the DEBUG level and allowing for inspection of all event properties
3. **Host Info Admin** View: for viewing/updating available compute resources
4. **Event Query** View: general purpose view for receiving events on the message bus

Use

Tutorials and Walk-throughs:

1. [Log-in & Preferences](#)
2. [Opening Perspectives and Views](#)
3. [Broker Submission](#)
4. [Using the Event Query View](#)
5. [Using the Broker Admin View](#)
6. [Using the Host Info Admin View](#)