

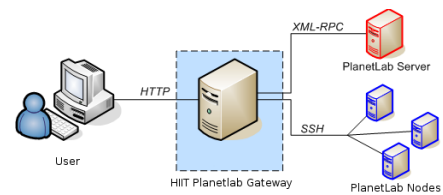
HIIT PlanetLab Gateway

Sasu Tarkoma, Petri Savolainen, Niklas Raatikainen, David Ocaña

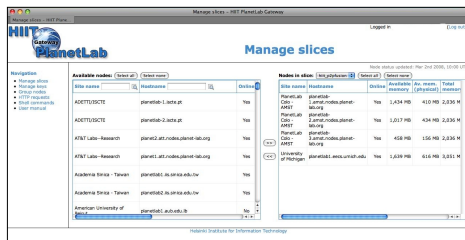
sasu.tarkoma@hiit.fi, petri.savolainen@hiit.fi, niklas.raatikainen@hiit.fi, david.ocana@hiit.fi

Overview

- PlanetLab (www.planet-lab.org) is a global research network that consisted of 862 nodes at 448 sites in May 2008.
- HIIT PlanetLab Gateway provides a new web interface for running experiments on PlanetLab.
- Complete PlanetLab experiments can be run using the HIIT PlanetLab Gateway web interface - all the way from choosing the nodes to running the experiment and finally collecting the resulting log files.



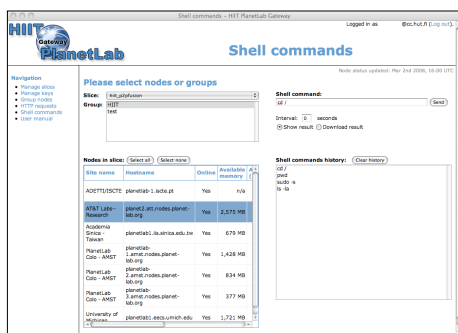
Features



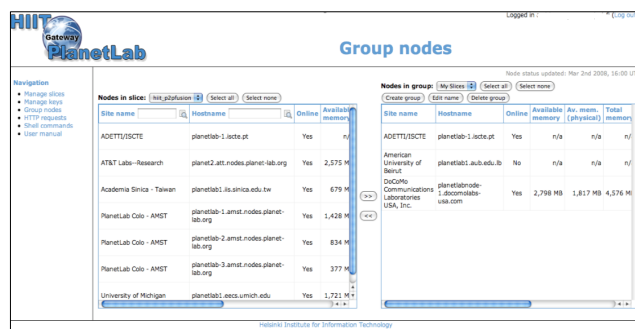
Slice management

- Log in using your PlanetLab credentials.
- Sort nodes based on their status (up/down), available memory, latency, etc.
- Arrange nodes in different groups.
- Send HTTP requests to a node or a group of nodes.
- Send shell commands to a node or a group of nodes.
- View the result logs of each executed HTTP request and shell command.
- Save log files to your local hard drive.

Screenshots



Shell command execution



Group management