Installation

What is HUBzero?

HUBzero is a platform used to create dynamic web sites for scientific research and educational activities. With HUBzero, you can easily publish your research software and related educational materials on the web. Powerful middleware serves up interactive simulation and modeling tools via your web browser. These tools can connect you with rendering farms and powerful Grid computing resources.

Minimum System Requirements

HUBzero installations require one or more dedicated physical hosts running Debian GNU/Linux 5.0.

Other distributions might theoretically work with some modification, although they would be totally unsupported.

A typical starter HUBzero installation might consist of a single physical server with dual 64-bit quad-core CPUs, 16 Gigabytes of RAM and a terabyte of disk

It is possible to run HUBzero inside of a virtual machine such as ones created by VMware and VirtualBox. While fully functional there will would significant performance and resource limitations in such an environment.

Target Audience

This document and the installation of a HUBzero system has a target audience of experienced Linux administrators (preferably experienced with Debian GNU/Linux).