



Warewulf Cluster Management Suite v3 Rewritten, Re-engineered, Revamped!

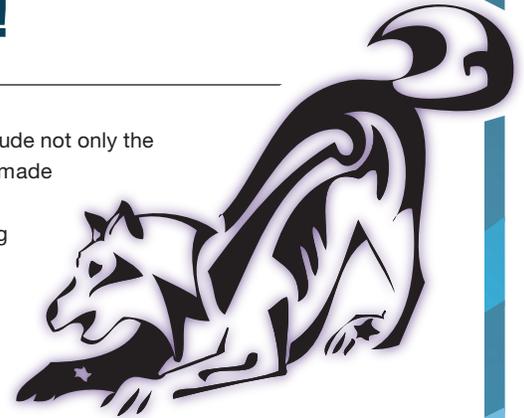
After a decade of evolution, Warewulf has been completely re-engineered to take a comprehensive but modular approach toward managing large infrastructures across data centers and cloud resources alike. Undergoing active collaborative development led by Lawrence Berkeley National Laboratory, Warewulf is utilized by many sites and vendors to manage large-scale environments.

Warewulf has built its name as an HPC clustering industry leader, pioneering a platform for deploying operating system images to nodes easily, intuitively, and scalably. While Warewulf did this very well, a solution for simply provisioning the operating system on local nodes behind a master is not enough for today's more complicated configurations.

Moving forward we need to be looking in a direction that is much more comprehensive than just simply provisioning nodes. Today's

solutions need to include not only the same features which made

Warewulf great (stateless provisioning — light, simple, flexible, scalable) but also the ability to manage multiple clusters, multiple data centers, and cloud infrastructures in addition to supporting a modular architecture consisting of a basic core feature set which is extensible via plugins and events.



Warewulf in HPC

Small- to mid-sized HPC cluster: supports hundreds of nodes behind a single master

Larger-scale cluster: including many nodes, multiple node roles/classes, parallel file systems, complicated scheduler requirements

Multiple clusters: facilitates integration utilizing a shared infrastructure capable of managing many clusters within a single management backend

Multiple sites: manages clusters spanning local and remote sites

Cloud resource integration: provisions and manages both physical and virtual hardware seamlessly

Warewulf Features

Extensible: meets your needs by being modular and flexible

Easy: provides a balanced interface for simplicity and function

Lightweight: adds value without making itself an integral component to core functionality (stays out of the way!)

Scalable: easily manages from 10 nodes to beyond 10,000 nodes

Flexible: meets the needs of existing environments and requirements rather than forcing a pre-determined architecture

Open: released under an open source license making it suitable for users, vendors, and service providers

Warewulf 3 is production-ready and has been released under a BSD-style open source license. It is maintained by Lawrence Berkeley National Laboratory. For more information and downloads go to:

<http://warewulf.lbl.gov/>

Join us for a roundtable discussion at SC11 in the Berkeley Lab booth #512 at 3 p.m. Wednesday, Nov. 16!

