Scyld ClusterWare 11

Comprehensive, customizable web-enabled HPC cluster management software suite

Overview

In the rapidly-changing world of high performance computing, organizations that use HPC clusters need a management system that is easy to use, highly configurable, and secure. But just as importantly, they need to know that the cluster management system they're investing in will remain viable as the industry continues to evolve, bringing new options and new requirements every year.

Penguin Computing® Scyld ClusterWare® 11 software is designed with these specific challenges in mind. Organizations in diverse industries around the world rely on Scyld ClusterWare software to help them manage and optimize their HPC clusters. And with the extensive vendor partnerships, hardware compatibility, and experience designing systems for HPC applications that Penguin Computing brings to the table, these organizations know they can rely on Scyld ClusterWare software for the long haul.

Features and Benefits

- Fully compatible with RedHat® Enterprise Linux® operating system and CentOS

- Pre-bundled with all necessary HPC software, backed by commercial support

- Super-fast cluster provisioning and change management

- Centralized reporting and diagnostics for easy monitoring of cluster health

- Professional customer support by the Penguin Computing cluster experts

- Adaptable, scalable, and compatible with a myriad of hardware products and vendors

Rapid Provisioning and Change Management

Scyld ClusterWare is designed for extremely rapid provisioning paired with the ability to instantly update compute node farms by applying changes to a single master node. This allows your HPC cluster to be easily administered without consuming system administration cycles.

Pre-bundled HPC software with Commercial Support

Scyld ClusterWare comes bundled with the software necessary for HPC environments, such as MPI implementations and schedulers. These software packages are optimized, tested, and commercially supported by Penguin Computing. Our 20 years of HPC expertise provides a world class support team with the experience needed to support HPC clusters.

Pre-bundled OS and Network Optimizations

Scyld ClusterWare manages OS settings, drivers, and Infiniband environments that are necessary for proper performance and functionality inside an HPC environment. Less time administering, more time computing.

Ready for 3rd-Party Applications & Compilers

Scyld ClusterWare is designed and tested to provide an environment that can readily run Open Source and commercial applications for bioinformatics, CFD, FEA, weather forecasting, chemistry & physics modeling, and much more. Our software suite is additionally optimized to readily integrate with 3rd-party compilers such as Intel® Compilers and Portland Group's PGI®.

Centralized Reporting and Diagnostics

All jobs and system issues are reported to the master node so there is a centralized location for all diagnostics.

Learn More
For more details on how Scyld ClusterWare can help you, contact a representative by email at sales@penguincomputing.com, call 1-888-PENGUIN (736-4846), or visit https://www.penguincomputing.com/scyld-clusterware.

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About Penguin Computing
Penguin Computing, Inc is a 20-year-old, U.S.-based global provider of high-performance computing (HPC) and data center solutions with more than 2,500 customers in 40 countries, across eight major vertical markets. Penguin Computing offers a comprehensive portfolio of Linux servers and software, integrated, turn-key clusters, enterprise-grade storage, and bare metal HPC on cloud, as well as expert HPC and AI services, financing, and top-rated support.