



BRIGHT COMPUTING SOLUTIONS

Third Party Software

OVERVIEW

Bright Computing is the leading provider of platform-independent commercial cluster management software in the world. Bright Cluster Manager™ and Bright Cluster Manager for Data Science™ automate the process of installing, provisioning, configuring, managing, and monitoring clusters for HPC, big data, and machine learning environments.

FEATURES

Bright Cluster Manager

Helps to get clusters up and running quickly and keep them running reliably throughout their life cycle – all with the ease and elegance of a fully featured, enterprise-grade cluster manager.

The software provides single-pane-of-glass management for the hardware, the operating system, the HPC software, and users.

Bright Cluster Manager installs on bare metal. With Installation Wizard, you can easily install everything you need, including the chosen distribution of Linux, workload manager, libraries, and more. Software images can be provisioned to nodes for clusters of virtually any size and complexity.

Powerful GUI provides a single, intuitive interface for all cluster management functionality and the intuitive management console displays alerts so you react to what is going in the cluster. Automatic healthchecks keep an eye on the cluster for you.

Cloudbursting allows you to easily create new clusters in the cloud, or add cloud-based resources to the existing clusters on-the-fly.

Bright Cluster Manager for Science Data

Allows to administer data science clusters as a single entity, provisioning the hardware, operating system, big data and deep learning software from a single interface.

The solution provides a choice of machine learning frameworks, including Caffe, Torch, Tensorflow, and Theano, to simplify your deep learning projects.

Bright includes a selection of the most popular Machine Learning libraries to help administrators access datasets. These include MLPython, NVIDIA CUDA Deep Neural Network library (cuDNN), and CaffeOnSpark.

Supporting infrastructure elements, including over 400MB of Python modules that support the machine learning packages, NVIDIA hardware drivers, CUDA drivers, CUDA building blocks (CUB), and NCCL ensure administrators are able to locate, configure, and deploy pieces to run deep learning frameworks.

Bright OpenStack

Bright OpenStack makes it easy to deploy and manage OpenStack private clouds. It provides a framework for building clouds. It Integrates with Bright Cluster Manager to allow for hybrid cluster environment.

Starting with a turnkey deployment on bare-metal, the software deploys compute, storage, network and other service as well as virtual resource (including VMs).

Intuitive GUI eases management of users, tenants and instances. The object-based roles explicitly capture inherent complexity.

Bright OpenStack also offers advanced monitoring and management of the system resources (servers, devices etc.) and conducts dynamic healthchecks.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

HPE Pointnext Services brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

HPE Pointnext Tech Care provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

HPE Greenlake is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

Make the right purchase decision.
Contact our presales specialists.

[Call for availability](#)



Chat now (sales)



Share now



Get updates

**Hewlett Packard
Enterprise**

© Copyright 2022 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Linux® is a registered trademark of Linus Torvalds. Microsoft® is a registered trademark of Microsoft Corporation in the United States and other countries. Azure® is a registered trademark of Microsoft Corporation in the United States and other countries. Red Hat® is a trademark of Red Hat, Inc. in the U.S. and other countries. SUSE® is a registered trademark of SUSE. Apache™ is a trademark of The Apache Software Foundation. Apache™ Hadoop® are trademarks of The Apache Software Foundation. OpenStack® is a trademark and/or registered trademark of the OpenStack Foundation in the United States and other countries.

Image may differ from the actual product
[PSN1009955671WWEN](#), October, 2022.