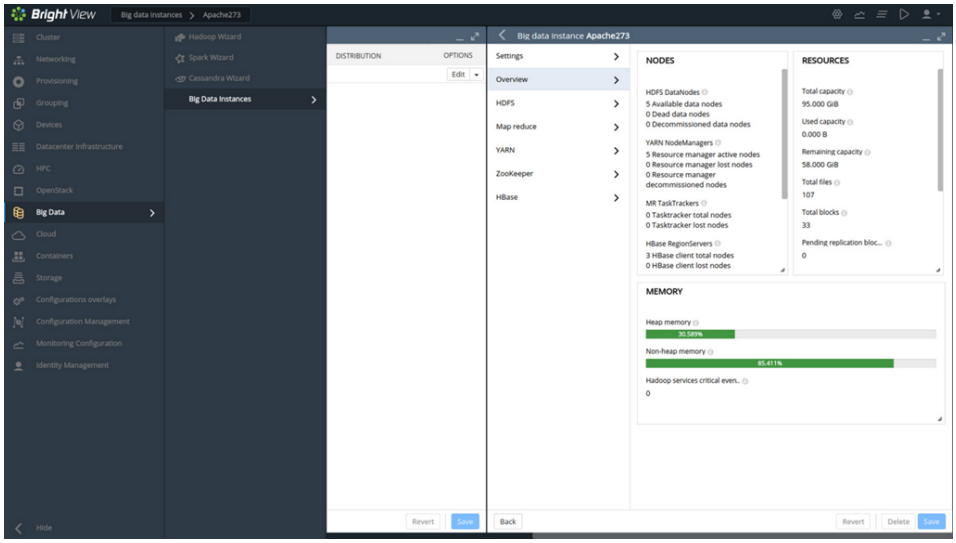
Bright Computing Solutions



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 of 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

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Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

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HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading 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, on premises, fully managed in a pay per use model.

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