

Bright



Single Pane of Glass into IT Infrastructure With Extension into the Cloud

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**Bright makes it easy
to install, manage, monitor and provision clusters, servers and
AWS cloud nodes by providing a view through a single pane of
glass.**

- Bright replaces multiple tools for installing, managing and monitoring clusters, servers and the AWS cloud
 - Designed and written as a holistic way of addressing these issues
 - Single lightweight daemon provides all functionality
 - Single, central database for configuration and monitoring data
 - Single CLI and GUI for ALL management functionality

- Which makes Bright ...
 - Extremely easy to use
 - Extremely scalable
 - Secure & reliable
 - Complete
 - Flexible
 - Maintainable

Graphical User Interface (GUI)

- Offers administrator full control of all nodes – physical, virtual and cloud
- Standalone desktop application or can be accessed from the internet
- Manages multiple systems simultaneously
- Runs natively on Linux, Windows and MacOS



Cluster Management Shell (CMSH)

- All GUI functionality also available through Systems Management Shell
- Interactive and scriptable in batch mode



- After eleven years of developing a robust, comprehensive management system, Bright has extended its functionality to the cloud.
- Tightly integrated with AWS, Bright offers the same functionality in the cloud as for physical and virtual servers.
- This virtually eliminates the administrative overhead for using the cloud.
 - Account numbers and codes are entered once.
 - Cloud nodes can be provisioned from corporate standard images to ensure consistency.
 - Jobs can be started automatically.

- Bright has also extended its integration with most of the major work load managers to the AWS cloud.
 - Jobs can be submitted to a combined or “cloud only” queue. Business rules can be established to determine which jobs are “cloud eligible”.
 - With Bright’s data aware scheduling functionality, the data is uploaded to the cloud before the nodes are started. This reduces the cost of having the nodes turned on during data transfer.
 - Spot market pricing can be entered on the Bright management console so the job will begin automatically when the spot market price is reached.

Thank You

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