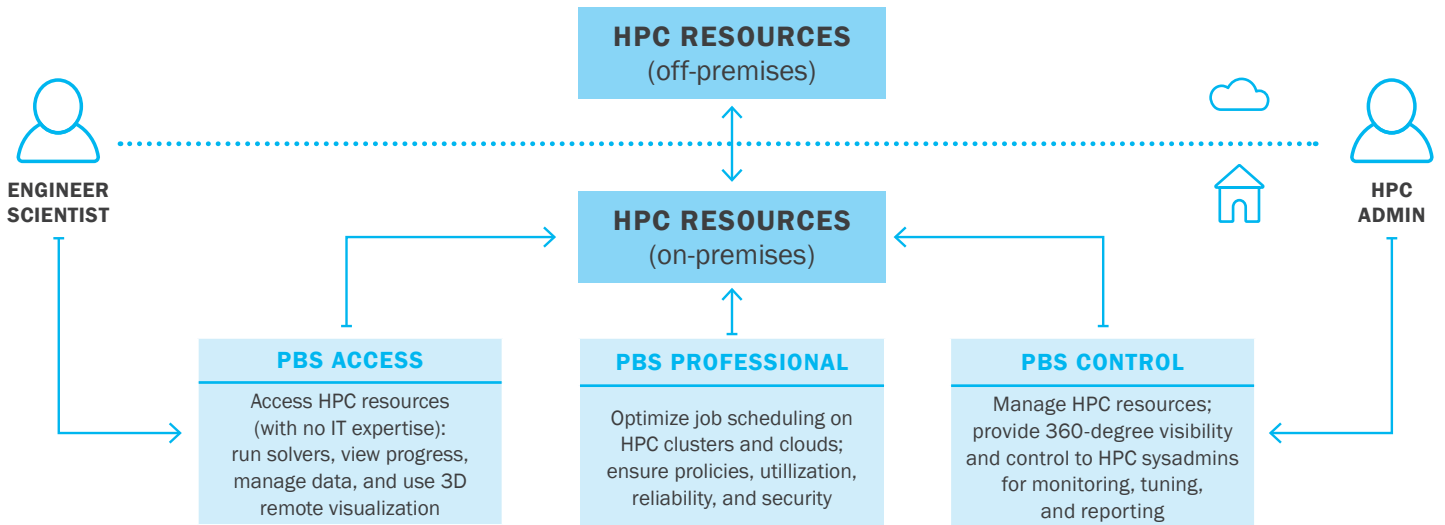


# PBS Works 2018

Reinventing the High-Performance Computing (HPC) Experience



## PBS Professional

EFFICIENT AND EFFECTIVE UTILIZATION OF EXPENSIVE HPC RESOURCES

Workload Management & Job Scheduling

- **Ubiquity:** Open Source and commercial licensing
- **Performant:** faster time-to-results, better throughput and utilization
- **Secure:** EAL3+ security certification and MLS support
- **Intelligent:** policy-driven and topology-aware scheduling
- **Scalable:** proven to run millions of jobs per day
- **Green Provisioning™:** power management and control
- **Robust:** known in the industry for stability and support
- **Open Architecture:** implement virtually any new policy

“PBS Professional offers the best scalability in the industry.”

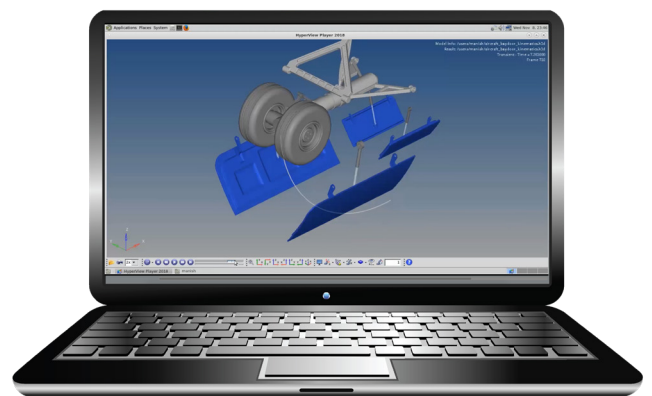
– NEC CORPORATION

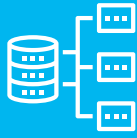
## PBS Access

GATEWAY TO COLLABORATIVE INNOVATION

Portal for Engineers & Researchers

- **Novice to Expert:** simple and powerful
- **Same UX:** desktop and web
- **Secure:** protected access to HPC resources
- **End-to-end:** submit, monitor progress, steer, fix and rerun jobs
- **Collaborate:** shared 3D analysis
- **3D Remote Visualization**





WORKLOAD MANAGEMENT



CROSS-DOMAIN SECURITY



IT ANALYTICS



REMOTE VISUALIZATION



WORKLOAD SIMULATION



CLOUD BURSTING

## PBS Control

HPC ADMINISTRATORS CONTROL CENTER FOR MANAGING, OPTIMIZING AND FORECASTING HPC RESOURCES

[Manage HPC Clusters & Cloud Appliances](#)

- **Single pane of glass:** single command center
- **Real-time monitoring:** simplify troubleshooting and maintenance
- **Reporting:** PBS Analytics powered by Carriots Analytics™
- **Workload simulator:** simulate and optimize infrastructure sizing
- **Multi-cloud bursting:** burst to any cloud provider for peak loads
- **One-click appliance deployment:** effortless for public, hybrid, and private clouds
- **Modern UX:** drag-and-drop simplicity



“ PBS Works 2018 grants users the ability to accommodate their most challenging workload requirements by using PBS Control to deploy very seamlessly HPC infrastructures on the cloud. As our customers make the transition to the cloud, this solutions will allow them to manage internal compute infrastructure and easily move workloads to and between different cloud providers to manage costs and throughput.”

**SAM MAHALINGAM,**

CHIEF TECHNICAL OFFICER FOR ENTERPRISE SOLUTIONS, ALTAIR

To learn more, please visit [pbsworks.com](https://pbsworks.com).

