

TYRONE CLUSTER MANAGER

Simplified cluster deployment and management
For Bare-Metal and Cloud

About Us

Tyrone cluster manager (TCM) is a complete management suite that lets you deploy complete clusters and manage them effectively. A single product designed to make your clusters agile, reliable, and responsive to individual needs across industries and applications. TCM is fast-to-deploy and easy-to-manage solution for IT manager and users. It empowers them to manage complex HPC data centres by reducing the complexity of clusters and improving time-to-delivery while reducing costs.



Remotely Manage Systems



Cloud Builder



Quick configuration of management node services



High Availability



GUI (Web) based Cluster Manager



Infiniband Support



Provision OS on physical or virtual machine

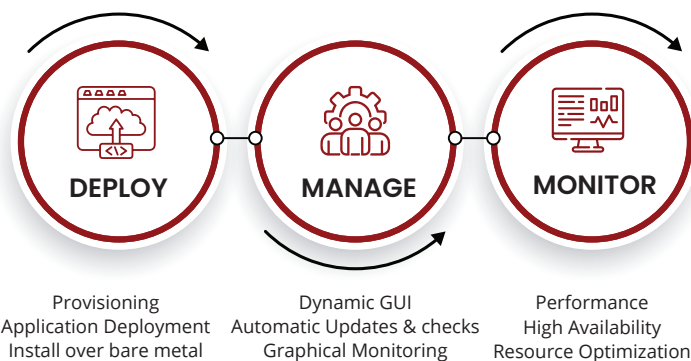


Support & Maintenance

HPC MANAGEMENT

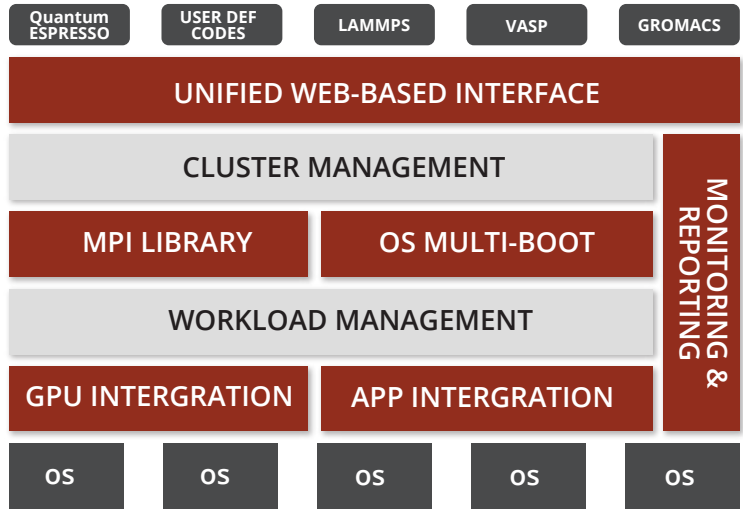
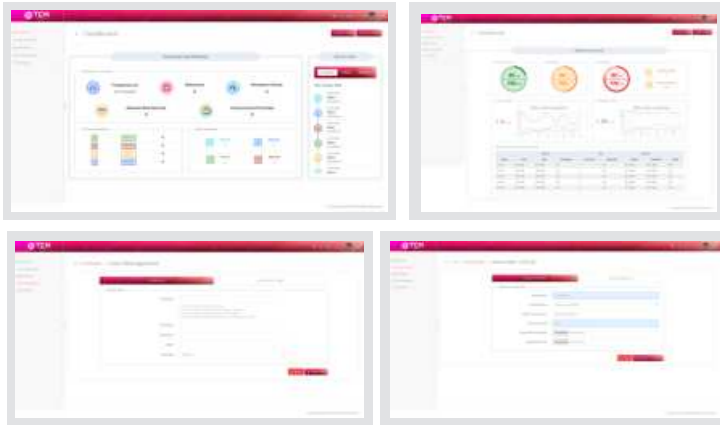
THE CHALLENGE

Domain experts across industries with no IT support are struggling with managing cluster infrastructure rather than spending time on the application to produce results, which ultimately compromises productivity and results



THE SOLUTION

Tyrone Cluster Manager (TCM) is an intuitive web-accessible interface, focused on reducing the complexity of using and managing your HPC cluster. It lets you deploy complete clusters and manage it effectively through a web-based user interface. Complete management capabilities including cluster provisioning, monitoring, reporting and management in a single product. TCM is designed to make your cluster agile, speedy and reliable to deliver high throughputs. For Sequencing Solution: Package and Image based provisioning, managing and customize the node, and tool set with provisioning, monitoring, and reporting capabilities.



HOW IT WORKS

With Tyrone TCM you can easily build and monitor clusters as a single entity, provisioning the hardware and OS from a unified interface. Tyrone TCM actively monitors every components of the cluster node. It runs healthcheck and reports any issues in the software or the hardware, so that your HPC Cluster stays secure 24/7. The intuitive GUI gives you easily access to your cluster at all times. With Tyrone TCM, you can stay focused on your application and let TCM manage your cluster.

TCM EDITIONS – FEATURES

Technical Specifications		
HPC Cluster Suite	TCM Basic Edition	TCM Advanced Edition
Scalable cluster deployment and management	Yes	Yes
Workload manager	Yes	Yes
Dynamic Workload manager change	NA	Yes
Shared Home	Yes	Yes
General FOSS compilers , libraries, parallel libraries , scientific Libraries	Yes	Yes
Graphical Monitoring	Yes	Yes
Intel Cluster Ready	Yes	Yes
High Availability	NA	Yes
Support & Maintenance	Yes	Yes
Updates and bug fixes	Bugfixes	Update & Bug Fixes
InfinibandSupport	Yes	Yes
Cloud Builder	NA	Yes
Recommended Size	32	128
OS Support	Centos /RHEL 7.4	Centos /RHEL 7.4

THE BENEFITS

- Get clusters up and running quickly, and keep them running reliably throughout their lifecycle.
- Easy to deploy and provision clusters
- Simple and easy to use GUI web based interface for targeted workload management.
- Scales 100s of nodes with distributed architecture.
- More Installation Options - Install to Hard Disk, run stateless (Diskless) & run diskless with a bit of state (Statelite).
- Built in Automatic discovery - No need to power on one machine at a time to discover. Nodes that fail can be replaced and back in action by just powering them on.
- Dynamic provisioning of nodes
- Buy additional yearly support & Maintenance

Tyrone™



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Let's Talk

Press Inquiries
Email: info@tyronesystems.com

Support Inquiries
Email: tyronecare@tyronesystems.com

Partner Inquiries
Email: info@tyronesystems.com