

Tyrone[®] TCM

TYRONE CLUSTER MANAGER

Simplified cluster deployment and management

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



Quick configuration of management node services



GUI (Web) based Cluster Manager



Provision OS on physical or virtual machine



Cloud Builder



High Availability



Infiniband Support



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



DEPLOY

Provisioning
Application Deployment
Install over bare metal



MANAGE

Dynamic GUI
Automatic Updates & checks
Graphical Monitoring

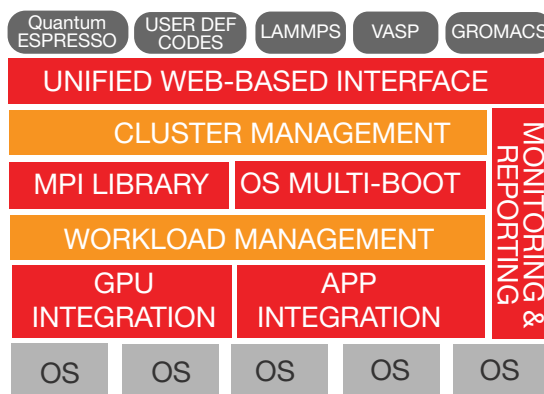


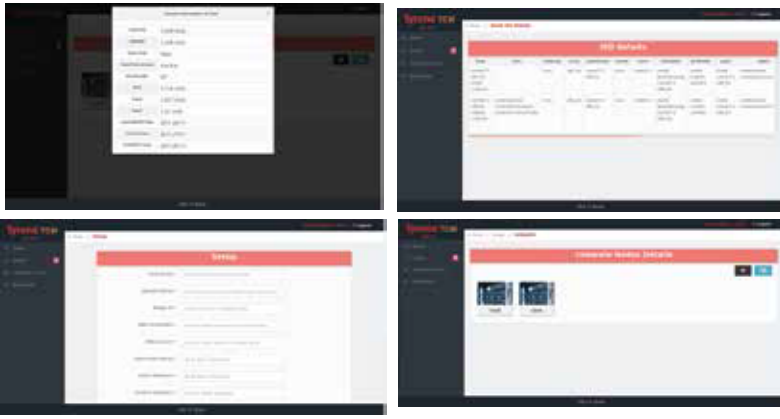
MONITOR

Performance
High Availability
Resource Optimization

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.





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 focussed 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 compiler 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 (Stalite).
- 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

GET A QUOTE

Write to us to receive a quotation or more information

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