Skylus

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One stop platform for all your enterprise requirements, **Made Easy**

Skylus Cloud
without complexity

Skylus delivers a private cloud solution that makes customers journey simple and fast from desegregated to BareMetal, Hyperconverged cloud deployment seamless and easy. Skylus has the adaptability to fit the diverse business landscapes.

Rapid **Agile** **Made Easy**

Building blocks of **Skylus** Solution Architecture:
‣ Secure private cloud
‣ Easy to use Dashboard
‣ Skylus certified hardware

Private Cloud **Dashboard** **Hardware**

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Skylus Cloud Infrastructure

Cloud Infrastructure Features:

- Skylus Cloud Shell
- Migration/Failover Between Nodes
- Skylus Project A Multi-tenancy Cloud
- Workload snapshot
- Modular cloud service architecture
- Scalable appliance solution
- Single Management Dashboard
- Skylus App Library
- VDI turnkey appliance solution

Enterprise Data Services:

- Back-up
- Cloning
- Snapshots

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Skylus Dashboard

Dashboard Features:

- All-in-One Dashboard
- User-friendly interface
- Rapid VM creation
- Advanced VM creation
- Quota management
- VM Console
- Interactive cloud shell
- Statistics
- Cloud Health Metric Visualization
- Alerts & Notification Center
- Advanced security management

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What Is So Special About Skylus?

Single Management Dashboard
Combined monitoring and managing resources with Rapid VM creation, advance VM creation, settings & statistic page.

Modular Cloud Service Architecture
Backend pack-networking, network, storage, compute, controller all these services is containerize and running on cloud.

Skylus Project: Multi Tenancy
With Project Isolation from different users accessing same cloud resources.

Skylus Cloud Shell
Interactive cloud shell grants user command-line access to cloud resources from the comfort of their browser.

Terminal System
Get quick access to the VM from Skylus Dashboard for trouble shooting on our own terminal system.

VM Performance Stats And Logs
Analyze and see detailed reports on running VMs.

Containers
Running on containers, various containers spread across the systems to have completed redundancy.
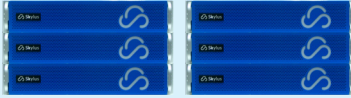
Snapshot
Snapshots of Virtual Machine can be created on demand.

Skylus Hardware

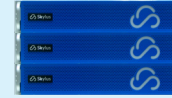## Skylus Enterprise Cloud Package

It is the recommended package for handling a dynamic enterprise requirement. The package is also optimized for more significant workloads and scalability, such as Core IT operations, Mission Critical and BIG Data.

- 3 x Cloud Controller
- 6 x Cloud Worker nodes (Max 128)
- 2 x 10G/25G Ethernet Switch with MLAG (for Data Network)
- 2 x 1G Ethernet Switch with MLAG (for OAM)
- 1 x 1G Ethernet Switch (for IPMI, can try to use OAM switch for this function)

Skylus Edge Cloud Package

The Edge Package is an affordable package optimized for edge and small-scale workloads. Nevertheless, the package still enables scaling for the customers to a certain degree.

- 1 x Cloud Controller
- 4 x Cloud Worker nodes (Max 12)
- 1 x 10G/25G Ethernet Switch (for Data Network)
- 1 x 1G Ethernet Switch (for OAM & IPMI)

Add-ons:
- GPU Enabled Cloud Worker Nodes
- Cloud Backup Node (NFS based, at-least 3 times usable capacity as cloud)
- Storage Analytics, Set Filter , Multi Replication for File Storage
- Write Once and Read Many support through additional licenses

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Specification

	Tyrone Skylus Controller Series I Series A	Tyrone Skylus Hybrid node Series I* Series A	Tyrone Skylus Flash node Series I* Series A	Tyrone Skylus GPU node** Series I* Series A	Tyrone Skylus Backup node*** Series Uni Series HA
Form factor	1U	2U	Series I - 2U Series A - 1U	Series I - 1U Series A - 2U	4U
Processor	Series I - Intel Xeon® Series A - AMD EPYC™	Series I - Intel Xeon® Series A - AMD EPYC™	Series I - Intel Xeon® Series A - AMD EPYC™	Series I - Intel Xeon® Series A - AMD EPYC™	Intel Xeon®
GPU Supported	N/A	N/A	N/A	Series I - 4 nos Series A - 2 nos	N/A

Memory	Min: 128GB
	Max: 768GB
		Series I - Min: 384GB
		        - Max: 1TB
		Series A - Min: 512GB
		        - Max: 2TB
			Series I - Min: 384GB
			        - Max: 1.5TB
			Series A - Min: 512GB
			        - Max: 2TB
				Series I - Min: 384GB
				        - Max: 768GB
				Series A - Min: 512GB
				        - Max: 2TB
					Series Uni - 128GB
					Series HA - 256GB

Storage Capacity	4 x LFF/SFF	Series I - 8 x LFF/SFF Series A - 12 x LFF/SFF	Series I - 24 x SFF Series A - 12 x SFF	Series I - 2 x SFF Series A - 8 x LFF/SFF	Series Uni - 36 x LFF Series HA - 90 x LFF
Storage type	SATA/SAS SSD/HDD	SATA/SAS SSD/HDD	NVMe SSD	SATA SSD	SATA/SAS HDD

*   Country specific models like for make in India available
**   Compute only node
***   Discuss with Tyrone team to size the solution and Skylus 2.0 updates

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