



Skylus.ai Appliance  
**Infinite Possibilities: Composable GPU  
Workspaces for AI Workloads**

[www.tyronesystems.com/skylus.ai](http://www.tyronesystems.com/skylus.ai)

# OVERVIEW

Skylus.ai is a groundbreaking composable GPU aggregation-disaggregation appliance designed to optimize GPU resource management for AI including GenAI workloads. It addresses the critical challenges faced by organizations in utilizing multi-vendor GPU and CPU resources, offering a vendor-agnostic solution that drives faster ideation, fosters collaboration, and accelerates experimentation while optimizing resource utilization and total cost of ownership.

This system is simple, easy, convenient, and affordable for learning platforms, research tools, AI and HPC experimentation labs. It allows for the creation of separate GPU clusters within the server and across GPUs spread across multiple physical machines.



# KEY FEATURES

Skylus.ai brings unparalleled features to GPU orchestration management.



## AUTOMATED WORKSPACE CREATION

Unified platform helps to build workspaces cum dashboards for Machine Learning Operations (MLOps), MLFlow, various DB sets, KubeFlow, image processing and more.



## FLEXIBLE SCALING

The appliance can scale up to eight 16 nodes, making it ideal for government enterprise environments.



## MULTIPLE STORAGE PROTOCOLS

Skylus.ai appliance supports iSCSI, NFS, and S3 storage, providing flexibility for a wide range of storage needs and deployment models.



## INTEGRATED AND INTUITIVE DASHBOARD

Clean intuitive dashboard that provides detailed user and group quotas, resource usage (CPU, Memory, Storage), and more enabling easy tracking of your workloads.



## RBAC USER MANAGEMENT

Role-based access control (RBAC) simplifies user management with multiple roles like Super-user, Admin, Resource Manager, and User Manager.



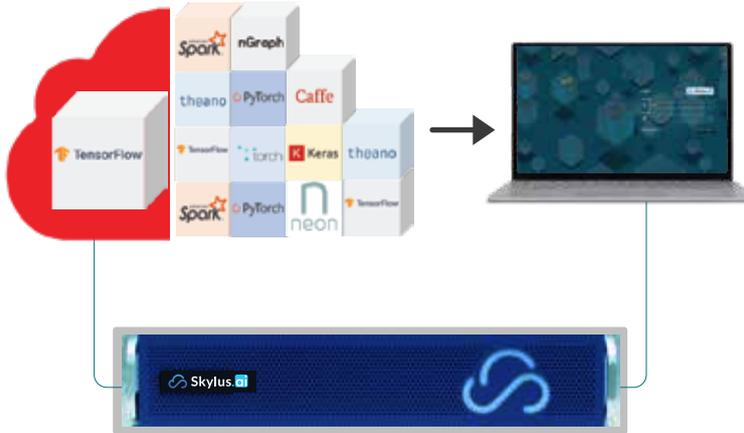
## GPU SHARING AND FLEXIBILITY

Streamline GPU usage to enhance efficiency of compute infrastructure with advanced GPU slicing, assign GPU resources with resource on demand features. One GPU can be shared by up to seven users.



## ADDITIONAL VOLUME CREATION

Easily create and attach additional volumes to support large AI projects ensuring that resources limit don't hinder your work.



## DIRECT ACCESS TO INBUILT VM AND CONTAINER MARKETPLACE

The playground feature offers single click access to your container and VM environment, making resource allocation effortless.

# WHO SHOULD USE SKYLUS.AI?

RESEARCH & AI LABS



EDUCATIONAL INSTITUTIONS



HEALTHCARE  
AND GENOMICS



MANUFACTURING  
AND INDUSTRY 4.0



BFSI INDUSTRY (BANKING,  
FINANCIAL SERVICES  
AND INSURANCE)



AUTOMOTIVE SECTOR



AEROSPACE AND DEFENSE



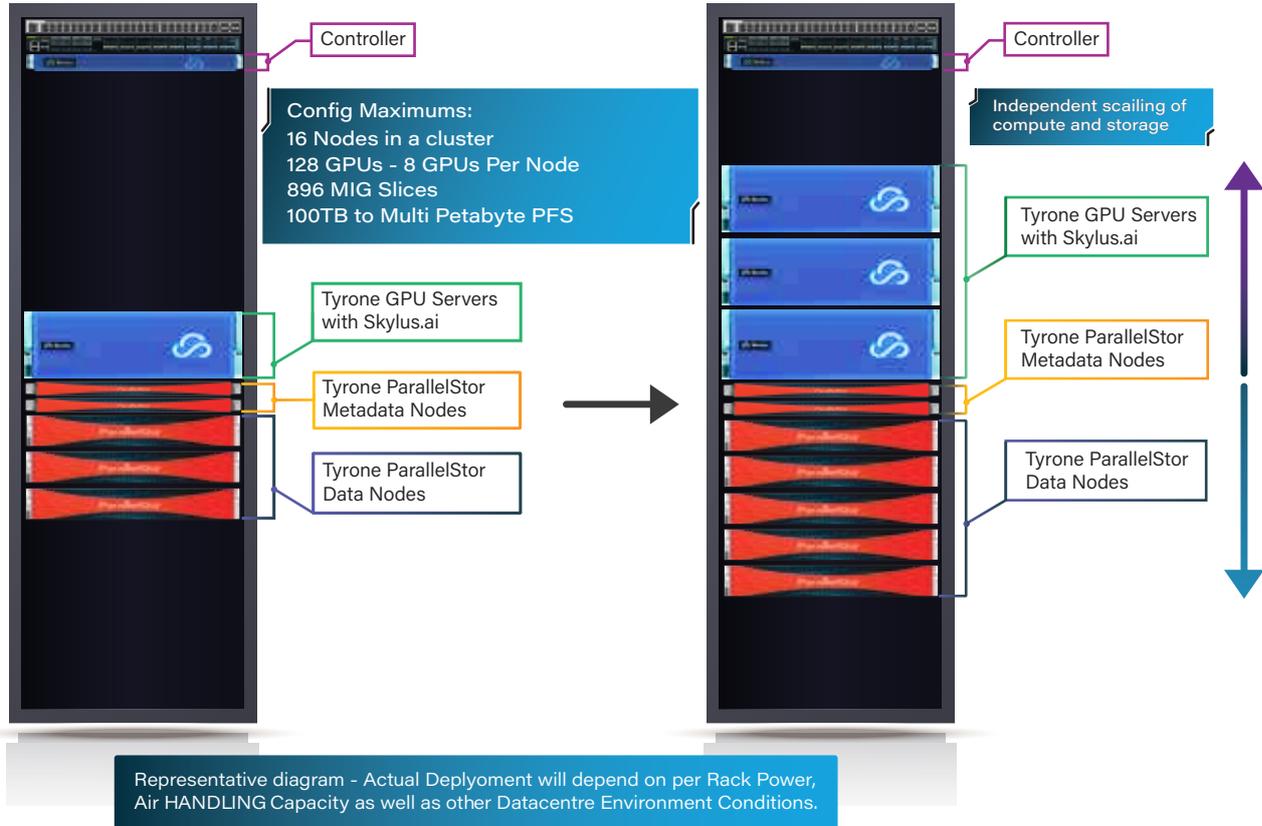
RETAIL AND E-COMMERCE



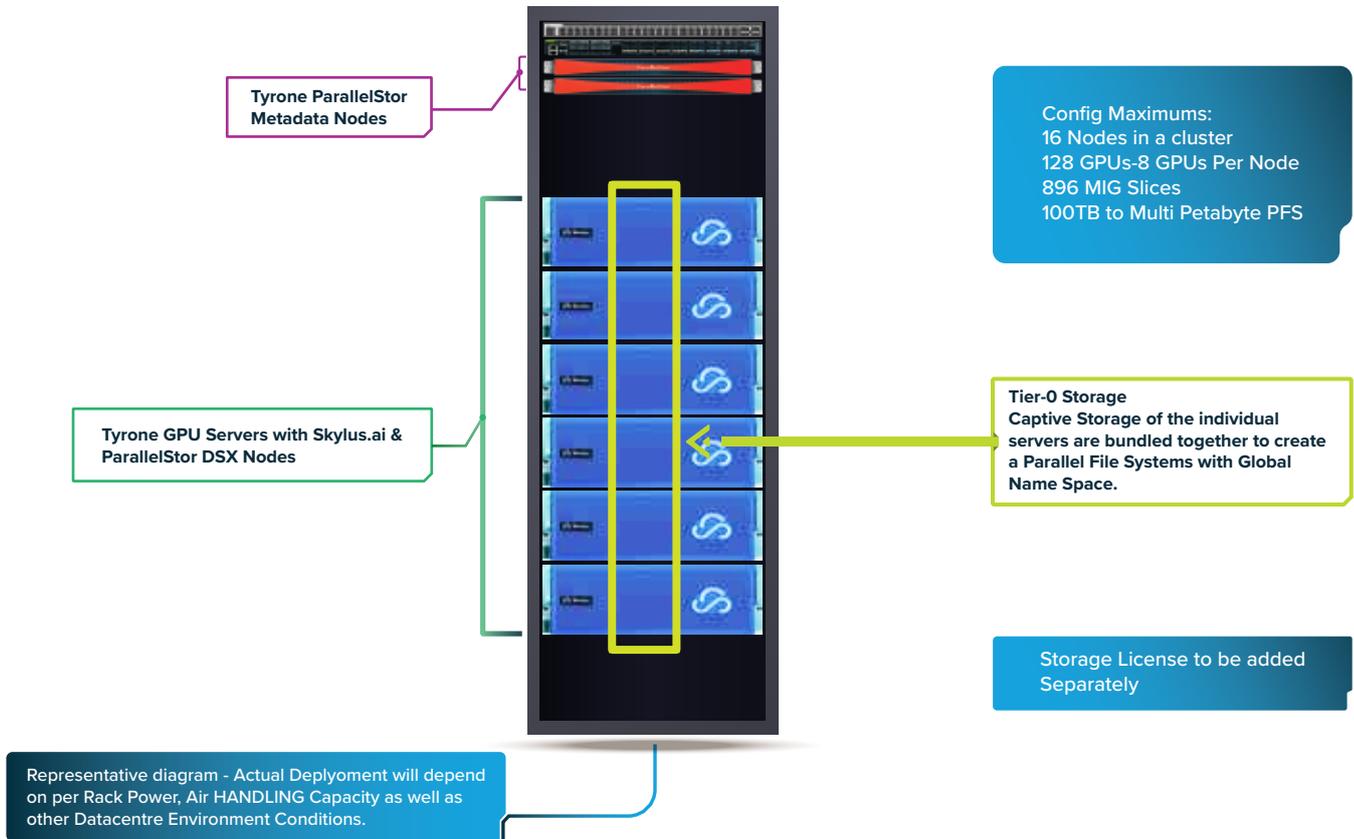
STARTUPS AND SMES



# RESEARCH AS A SERVICE – SOLUTION STACK



# RESEARCH AS A SERVICE - SOLUTION STACK - TIER 0 STORAGE



# BUILDING BLOCKS SPECIFICATIONS



	Appliance Option-1	Appliance Option-2	Appliance Option-3	Appliance Option-4
<b>CPU Core Options</b>	2 x 32/48/64/72/96/128 Core	2 x 32/48/64/72/96/128 Core	2 x 32/48/64/72/96/128 Core	2 x 32/48/64/72/96/128 Core
<b>Vendor Option</b>	Intel/AMD	Intel/AMD	Intel/AMD	Intel/AMD
<b>Memory</b>	16 x 64 GB for Intel, 24 x 64 GB for AMD	16 x 64 GB for Intel, 24 x 64 GB for AMD	16 x 96 GB for Intel, 24 x 64 GB for AMD	16 x 128 GB for Intel, 24 x 96 GB for AMD
<b>Storage</b>	2 x 960GB M.2 - OS 4/6/8 x 7.68 GB NVMe SSD	2 x 960GB M.2 - OS 6/8 x 7.68 GB NVMe SSD	2 x 960GB M.2 - OS 6/8 x 7.68 GB NVMe SSD	2 x 960GB M.2 - OS 8 x 7.68 GB NVMe SSD
<b>Ethernet Network</b>	1 x IPMI, 2 x 10/25/100 Gbps	1 x IPMI, 2 x 10/25/100 Gbps	1 x IPMI, 2 x 10/25/100 Gbps	1 x IPMI, 2 x 10/25/100 Gbps
<b>GPU option</b>	2 x L40S, 1 X H100NVL/ 1 X H200NVL	4 x L40S, 2 X H100NVL/ 2 X H200NVL	8 X H200, 4X H100NVL/ 4 X H200NVL	8X H200 SXM

# Tyrone

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