



ACCELERATE YOUR AI,
DEEP LEARNING & HPC
WORKFLOWS WITH
Tyrone KUBYTS™

Introducing Tyrone KUBYTS™

Launch AI, Machine Learning or Deep Learning Framework in Seconds

AI and High Performance Computing application installations often get complicated, almost always relying on libraries that need to be installed using specific versions. Even more so when application's performance or operation depends on the correct dependencies.

Sometimes, the software is not available in a packaged form and needs to be built from source, which is a time consuming process that requires additional libraries and dependencies. Moreover, it leads to wastage of manpower when the same application needs to be installed multiple times in a single workstation.

While portability is important for system administrators, others like domain scientists, researchers, and engineers are looking for computational reproducibility.

Containers are a way to package applications, libraries, and configurations and run them as a self-contained and isolated environment agnostic to software installed on the host system. Since applications inside a container always use the same environment, the performance is reproducible and portable.

Tyrone KUBYTS™

Deploy and Run AI, ML & HPC Workloads Faster Than Ever

KUBYTS™ offers a curated catalog of GPU & CPU accelerated container applications and images for AI/ML/Deep learning (DL) software, HPC applications, and HPC visualization tools allowing users to have an access to repositories for CPU & GPU optimize codes and It allows you to easily build, ship and run applications using container technology.

KUBYTS™ a central management console/application containerizes applications along with all its dependencies, bundled into one package making it extremely agile in moving them across platforms and hardware. KUBYTS™ delivers the agility benefits of containers for ML/DL workloads, while ensuring performance comparable to that of bare-metal servers. KUBYTS™ offers more than 100+ containers and over 50+ applications. Manage all applications and framework from Central Manager.

Key Features of Tyrone KUBYTS™



A Repository of Containers

Tyrone KUBYTS™ has a optimized codes repository of 100+ containers & 50+ appications for DL ML HPC Workloads



CPU & GPU Accelerated

A unique solution than offers both CPU & GPU accelerated containers for latest X86, Arm and AMD, CDNA, Hopper, Blackwell etc.



Innovation in seconds

Get your projects up and running, without complexity associated with software configuration.



Networking Support

Defined on the foundation of widely used internet protocols such as DHCP, and TFTP.



Run Multiple Apps simultaneously

Easily run multiple applications simultaneously in a single system on most optimized Kernal



Runs on KUBYTS™ certified workstations & Clusters

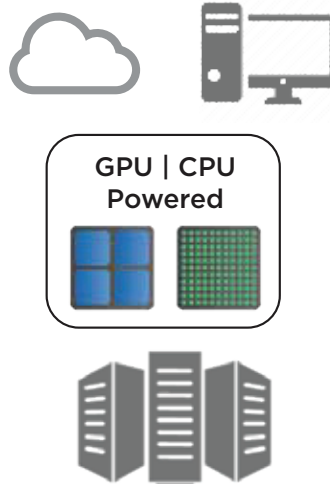
Tyrone KUBYTS™

CPU & GPU-accelerated containers for AI and HPC

Access to a repository of
over 100 containers & 50+
applications & images



Run your applications from
anywhere on KUBYTS™
certified systems



Deploy applications in the
matter of a few seconds,
not days

**Accelerate
Time to Market**



Tyrone KUBYTS™ Key Benefits



100+ Containers 50+ Applications

Tyrone KUBYTS™ has a repository of 100+ containers & 50+ applications for DL ML HPC Workloads optimized for CPU & GPU environment



CPU & GPU Accelerated

A unique solution than offers both CPU (SSE4, AVX, AVX2, AVX-512 & GPU(CUDA, Vector, Tensor) optimized accelerated containers.



Design a simple Workstation or Large Clusters with KUBYTS technology engineered to allow selection of curated kernels, tailored configuration at the run time for swift deployments.



Speed

Accelerates productivity with optimized AI, DL frameworks & HPC application containers



Run Multiple Applications

Easily run mutple applications simultaneously in a single system



Reduced IT cost

Achieve savings by improving GPU utilization, controlling usage, eliminating cluster sprawl, and minimizing data duplication.



Portability

Removes dependency issues for Applications



Simplify Deployments

Lowrs the barrier to AI adoption by taking care of the heavy lifting with pre-trained models & workflows.



Tyrone AI Experts

Talk to our experts & build the right workstation within your budget.

Tyrone KUBYTS™

Repository of containerized applications & images for Deep Learning, Machine Learning & HPC Workloads

50+ Containerized Applications



Tyrone KUBYTS™

Accelerating Innovation



KUBYTS™ is the hub for CPU and GPU-optimized software for deep learning, machine learning, and high-performance computing (HPC) that takes care of all the plumbing so data scientists, developers, and researchers can focus on building solutions, gathering insights, and delivering business value.

Save time with ready-to-run containers

Gain instant access to our fully managed registry of optimized containers built to run any framework you need, and on any compute resource whether on premise or off premise. In one click you can run. Containers are delivered ready-to-run and are both GPU & CPU optimized.

Spin up any AI ML DL HPC framework in one click

KUBYTS integration lets you deploy AI frameworks and get a head start with pre-trained models or model training scripts so scientists and ML engineers can focus on building solutions, gathering insights, and delivering business value.

Bare-metal Performance with containers

Innovations to deliver the agility benefits of containers for ML/DL workloads while ensuring performance comparable to that of bare-metal servers.

Deploy KUBYTS™ with Confidence

Enterprise-grade support for KUBYTS™ provides direct access to Tyrone AI experts, minimizing risk, and maximizing system utilization and user productivity.

ABOUT TYRONE SYSTEMS

In today's world, customer-centric solutions are of paramount importance. And we at Tyrone work towards offering the latest technology-based solutions to increase your return on investments. With a clear focus, we deal in only specific products which enables us to specialize and provide the best solutions and services. Tyrone Systems is a unique company in its ability to offer solutions for challenging project of any size. Our ability to understand customer challenges and deliver value, is based on our collective technical and business expertise. And through our strong partnership with technology leaders, Tyrone aims to equip customers with a modern and optimal technology blocks to achieve their business goals.

Tyrone Kubyts will help you get a head start with the fastest AI implementations, giving you faster time-to-solution.

Contact Us

Let us tell you more about how our solutions can boost your company's agility, security, control and your own peace of mind.

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