



Netweb
TECHNOLOGIES

Corporate Profile



About us

Netweb is one of India's leading high-end computing solutions (HCS) provider, with fully integrated design and manufacturing capabilities. Our HCS offering comprises HPC, Private cloud and (HCI), AI systems and enterprise workstations, High performance storage (HPS) and Data Centre Servers

LEADING-EDGE TECHNOLOGY

We offer a full stack of product and solution suite with comprehensive capabilities in designing, developing, implementing and integrating high performance computing solutions.

Our deep expertise in system design and architecture, has helped us innovate and build bespoke solutions. Our proprietary designs are cloud native which, in addition to technological benefits, are capable of catering to the evolving needs of customers. We cater to to marquee customers across various end-user industries such as IT, ITES, BFSI, National Data Centers and Govt. entities such as Defence, Education and Research and Development Institutions

RESEARCH AND DEVELOPMENT

Our R&D team's in-depth understanding of high-end computing solutions, their ability to meet the advanced technological challenges and their constant efforts at innovation, coupled with experience in working on innovative products in India, enable us to stay at the forefront of technological evolution and anticipate and envision the future needs of our customers and the market.

TECHNICAL CAPABILITIES

Our technical capabilities are reflected in our bouquet of HCS offerings. We are focused on developing refined, customised computing systems to address the high-end computational requirements of our customers. Through our technical innovation and design capabilities we offer a full stack of product and solution suite from design and assembly of printed circuit boards to manufacture of complete electronic systems.

Let's explore the possibilities.

Our Company At a Glance



Manufacturing/
Design/Development



Pre-Sales team



Post-Sales
Tyrone Care Team

15 Offices
across **India**



OVER
1900
CUSTOMERS

OVER
300
SUCCESSFUL
HPC
INSTALLATIONS

DEPLOYED
over **4000**
GPU
BASED SYSTEMS



50+

Private Cloud
& HCI Installations

Deployed one of the
India's fastest
& largest
HYBRID



SUPERCOMPUTER

Several **BIG DATA**
deployments in Telecom,
ISP, Consulting &
Education Sectors



Deployed
Telecom Cloud
Solutions



Wide range of
AI Systems and
Workstation models

To make better business
decision powered by insights
from data

INNOVATION

R&D in high-end
computing solutions
Ability to meet advanced
technological challenges



"Make In India"
Compliant

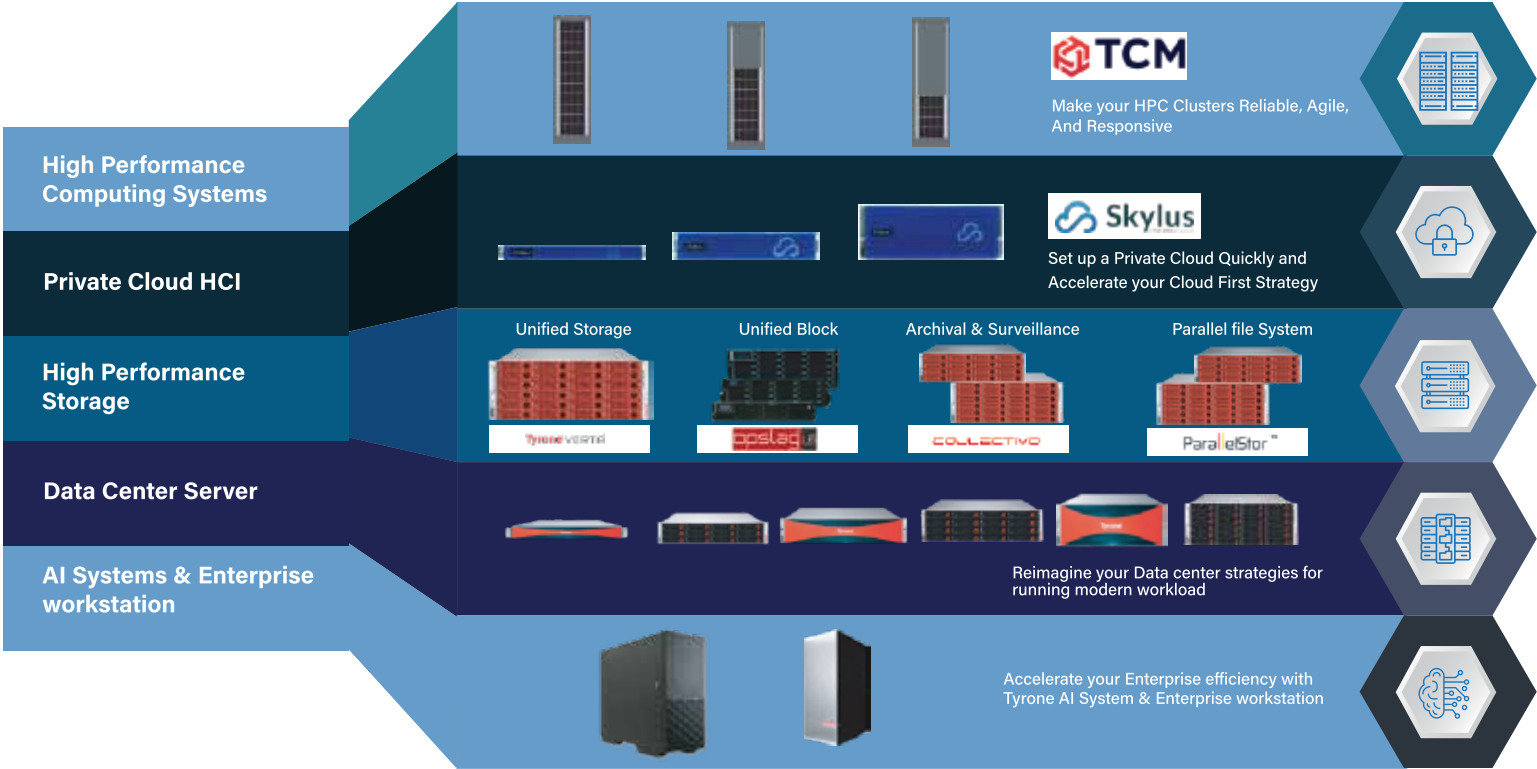
Over
250
Employees

Associated with
Prominent Clusters
in the Region



3 R&D Centers in **India**
(Faridabad, Hyderabad, Gurgaon)

Solutions Portfolio



More than 20 years of Innovation

We've been at the forefront of cutting-edge innovation. It's been an exciting journey full of pioneering developments and several firsts in the industries. We continue to introduce revolutionary technologies to meet the growing demands of our fast-changing world.



2023

Forayed into developing new product lines, viz., Network Switches and 5G ORAN Appliances.



2023

Deployed AIRAWAT which is India's largest and fastest AI Supercomputing system.



2022

Qualified for 'Production Linked Incentive' scheme of the Govt. of India to promote telecom and networking products manufacturing in India.



2022

Launched Kubyts – container platform that enables rapid deployment of AI & HPC



2021

Deploys 5G cloud for large international Telco



2021

Qualified for 'Production Linked Incentive' scheme of the Govt. of India for IT Hardware



2021

Launches Private Cloud stack - Skylus



2017

Deployed servers as a part of surveillance project at 204 locations across 23 states for a public sector undertaking



2019

Deployed 'PARAM AMBAR', which was India's 4th fastest supercomputer at the time of commissioning, at ISRO



2013

Deployed PARAM YUVA II at C-DAC, Pune, ranked 70th most powerful supercomputer in the world

Tyrone

2005

Netweb launched the Tyrone brand of products & solutions



2004

Deployed KABRU, at IMSC Chennai, that ranked in the World's top 500 supercomputers



1999

Netweb is founded

Supercomputing Testing Facilities

Specialised Supercomputing testing facility for quality assurance of our Supercomputing systems and constant reduction of customer lead and delivery times.



Our HPC Data Center & research and development labs where our engineers design, develop, and prototype our innovations.

- ✓ Netweb Testing Lab
- ✓ Data Center Lab
- ✓ Internal Quality Control facility
- ✓ Machine Programming Lab
- ✓ R&D Lab
- ✓ Integration Site

Our Expertise as an HPC Integrator

- » Fully integrated design and manufacturing capabilities
- » We design, manufacture and deploy our HCS comprising proprietary middleware solutions, end user utilities and pre-compiled application stack
- » Our Supercomputing systems are bespoke, and tailored with specialised hardware designs and architecture and cater to varied customer specifications
- » Our Supercomputing systems use our 'Tyrone' cluster management suite which is an integrated set of software components that can be deployed in a variety of configurations
- » Deployed diverse Supercomputing systems ranging from 10 nodes to 400 nodes. Our Supercomputing systems are scalable up to 1,000 nodes
- » Deployed PARAM YUVA-II, which is one of the India's fastest and largest hybrid supercomputer as on date
- » Deployed Over 300 Supercomputing systems & over 4,000 accelerator / GPU based AI systems and enterprise workstations
- » Collaboration with various technology partners, such Intel, AMD, Nvidia, Samsung and Seagate to design and innovate products and provide services tailored to specific customer requirements
- » Deployed AIRAWAT, India's largest and fastest AI supercomputing system. Ranked 75th in the world and has been included in the 61st edition of Top 500 Global Supercomputing List released in June 2023

OUR HPC SOLUTIONS

ENSURES

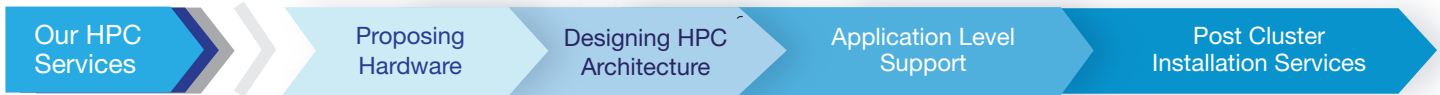
Total peace of Mind





**Deployed 3 HPC
Clusters that got
listed in
TOP 500
Supercomputer's list**



PARAMYUVA II	C-DAC	8 listing in Top 500
Kabru	IMSc	2 listing in Top 500
AIRAWAT	C-DAC	1 listing in top 500



End-to-End HPC Solutions



HPC Offerings	 HPC Clusters	 HPC on Cloud	 Lustre Appliance	 Accelerator based computing
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Entry to High End Full Scale Server Solution	 X86, Mission Critical Blade server	 Fat Twin Servers	 Management & Landing servers	 Low latency Servers
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MANAGEMENT TOOLS

Tyrone Cluster Manager
Open source software
Machine libraries

STORAGE FOR HPC

 Parallel File Systems	 Unified Storage	 HCI Virtualized & Cloud
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SYSTEM INTERCONNECT

	Omnipath
	InfiniBand
	Software Defined Networking (SDN)

GPU SOLUTIONS FOR HPC

Upto 10 GPUs in 1U, 2U and 4U
Higher performance
Reduce rack space
Lower power consumption
NVIDIA® DGX™ SYSTEMS

Our HPC Solutions Accelerate Transformation Across Industries

 Education & Research	 Life Sciences, Health	 Oil & Gas, Energy	 Financial Services	 Climate Research	 Media & Entertainment
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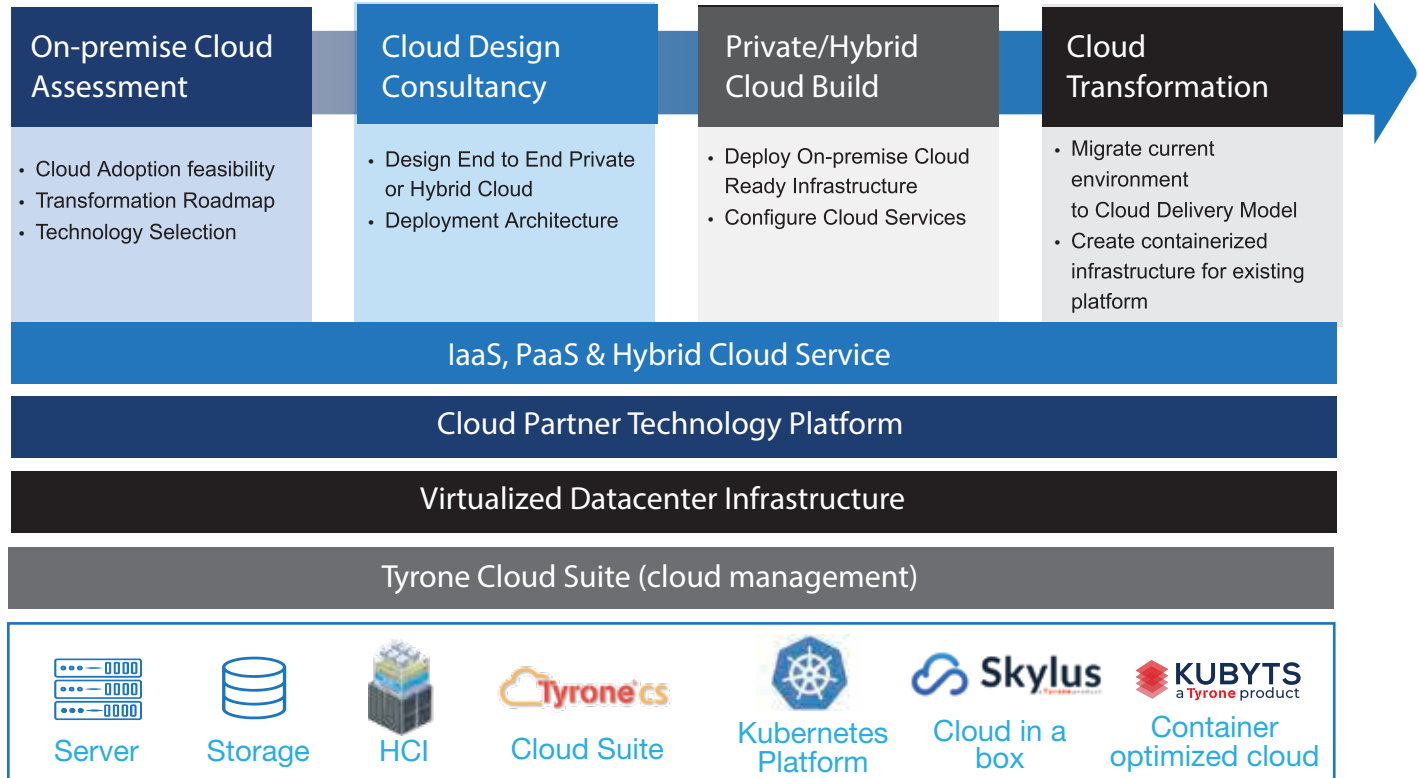
Tyrone Cluster Management (TCM)

Build & Manager HPC clusters with absolute ease

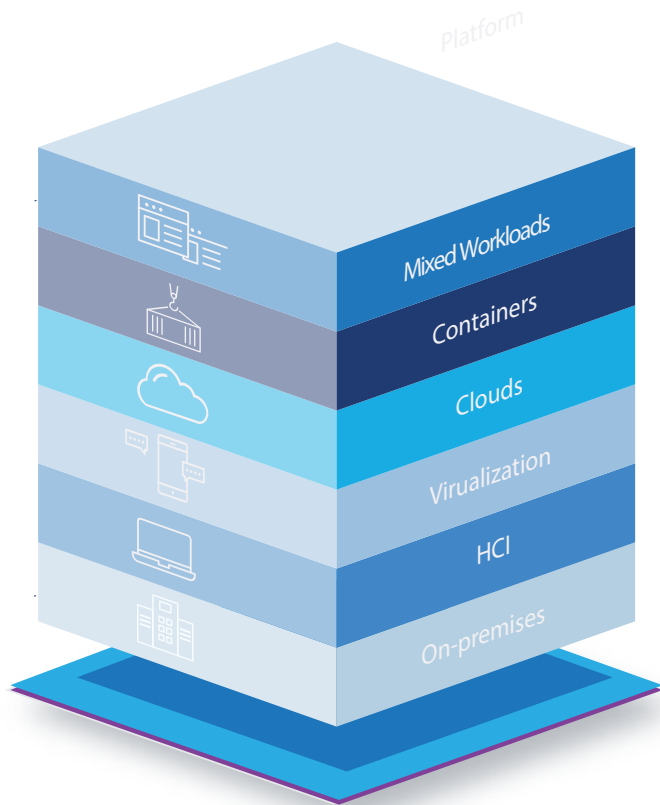
- » **Deploy easily:** Easily turn a pile of hardware into a fully functional cluster in under an hour
- » **GUI web based Cluster Manager:** Manage your infrastructure through one intuitive single pane of glass
- » **Deep health checking capabilities:** Insightful metrics
- » **Optimize cluster usage:** Easily move and allocate apps as demand for resource change
- » **Provision OS on physical or Virtual Machine**
- » **Support multi environment clusters** by using different server architectures
- » **GCC Applications:** Option to compile over 50 GCC applications with web Interface
- » **Quick configuration of management node services**
- » **Remotely Manage systems | Support & Maintenance**
- » **InfiniBand Support | High Availability | Cloud Builder**



Cloud Solutions



Our Engineered Solutions



Tyrone container platform

Multi-Cloud, Bare Pure Upstream Kubernetes
Automates the time-consuming tasks involved in managing containers from deployment and management to scheduling and scaling.

KUBYTS

Container Optimized Cloud

A curated catalog of GPU & CPU accelerated container applications and images for deep learning (DL) software, HPC applications, and HPC visualization tools.

Skylus

HCI Cloud-in-a-box

All-in-one HCI solution to reduce the complexity of managing, administering, and migrating your complex workloads into the cloud.

TCM

TCM

A complete management suite that lets you deploy complete HPC clusters and manage them effectively. Designed to make your clusters agile, reliable, and responsive to individual needs across industries and applications.



Innovation, Research & Development

At Netweb we believe that innovation is a critical business need. As data analytics, high-performance computing and artificial intelligence continue to evolve, we are building solutions to help you keep pace with the constantly evolving landscape.

innovationlabs

Our Services



**HPC PLANNING &
CONSULTING
SERVICES**



AI LABS



**BACK-UP & DISASTER
RECOVERY**



**VM | CONTAINERS | CLOUD
MIGRATION & INTEGRATION**



**DATA CENTER
SERVICES**

Awards & Recognition



Fiscal	Particulars
2017	Partner Performance Award - Data Center Group at the Intel Solutions Summit 2017 MACAU
2017	Intel Technology Provider Platinum 2017 Retailer Specialist
2018	Intel Technology Provider Platinum 2017 Retailer Specialist
2020	Seagate Certificate for Appreciation - In Recognition for a record of outstanding Accomplishments
2019	Partner of the Year- Data Center Group at the Intel Partner Connect Asia 2019
2020	In recognition of outstanding contribution towards growing AMD EPYC Business H1 for FY20.
2021	Top Software Tools Bundled with IA Partner of the Year 2021 at the Intel Software India Partner Summit, 2021
2021	Partner of the Year 2021, System Integrator by Segate Ignite
2021	Outstanding Contribution in Promotion of electronics and manufacturing of servers - Ministry of Electronics and Information Technology, Government of India, Celebration of Azadi ka Amrit Mahotsav
2022	MAIT – India's Apex Industry body empowering IT, Telecom and Electronics and Hardware for outstanding leadership and guidance to the Electronics Industry of India
2022	The best 'Software Tools Bundled with IA' Partner for 2022 by Intel Developer Tools Submit 2022.

Our PAN India Presence



- Manufacturing & RD&I Center:
Faridabad - India
- Integration Facility
Faridabad, Gurgaon, Hyderabad

Our Brands

Tyrone[®]

 **Skylus**

 **KUBYTS**

 **TCM**

COLLECTIVO[®]

ParallelStor[®]

Tyrone VERTA

CAMARERO[®]



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