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

18 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

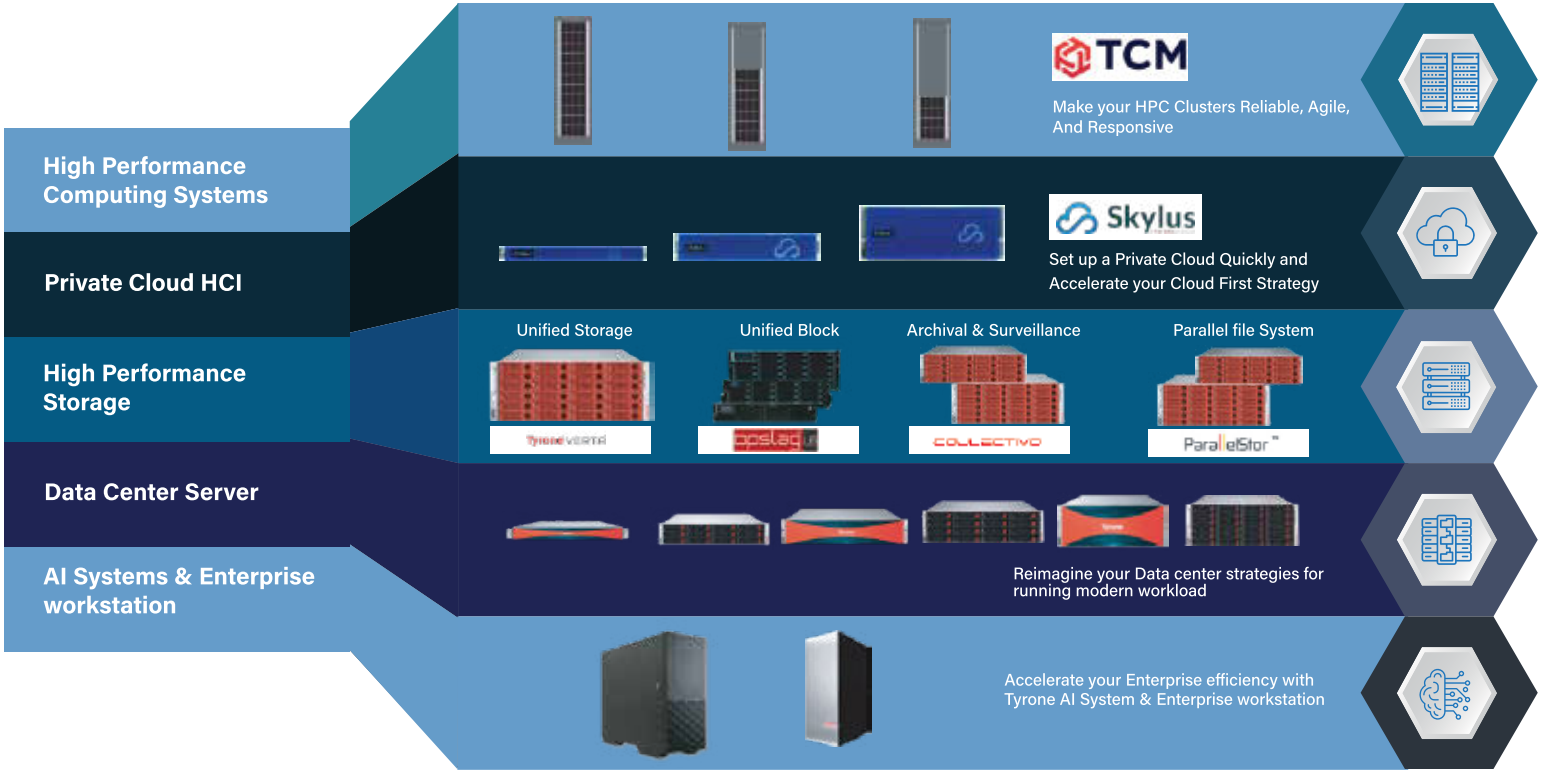
"Make In **India**" **Compliant**

Over **360** 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 first 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.

2022

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

2023

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

2021

Deploys 5G cloud for large international Telco

2022

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

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

2005

Netweb launched the Tyrone brand of products & solutions

2013

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

1999

Netweb is founded

2004

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

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

Our HPC Services → Proposing Hardware → Designing HPC Architecture → Application Level Support → Post Cluster Installation Services

HPC Offerings

HPC Clusters

HPC on Cloud

Lustre Appliance

Accelerator based computing

Entry to High End

Full Scale Server Solution

X86, Mission Critical Blade server

Fat Twin Servers

Management & Landing servers

Low latency Serves

MANAGEMENT TOOLS

Tyrone Cluster Manager
Open source software
Machine libraries

STORAGE FOR HPC

Parallel File Systems

Unified Storage

HCI Virtualized & Cloud

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

Tyrone Cluster Management (TCM)

Netweb TECHNOLOGIES

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

Netweb TECHNOLOGIES

On-premise Cloud Assessment

- Cloud Adoption feasibility
- Transformation Roadmap
- Technology Selection

Cloud Design Consultancy

- Design End to End Private or Hybrid Cloud
- Deployment Architecture

Private/Hybrid Cloud Build

- Deploy On-premise Cloud Ready Infrastructure
- Configure Cloud Services

Cloud Transformation

- Migrate current environment to Cloud Delivery Model
- Create containerized infrastructure for existing platform

IaaS, PaaS & Hybrid Cloud Service

Cloud Partner Technology Platform

Virtualized Datacenter Infrastructure

Tyrone Cloud Suite (cloud management)

Server

Storage

HCI

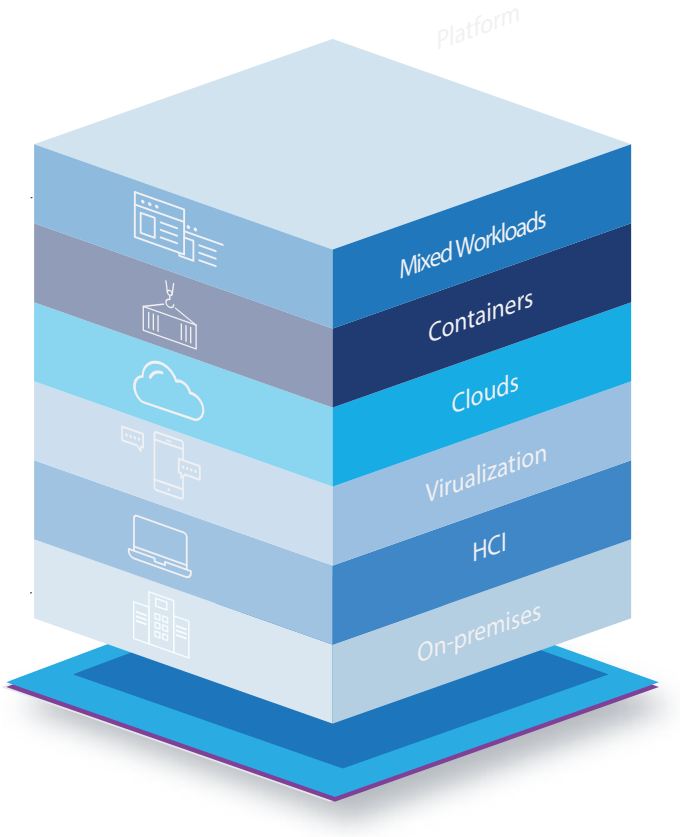
Cloud Suite

Kubernetes Platform

Cloud in a box

Container optimized cloud

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, administrating, 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

Netweb TECHNOLOGIES

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®

Netweb
TECHNOLOGIES

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