

**HCLTech** | Supercharging  
Progress™

# Powering the datacentre **engineering of tomorrow**

Leverage our expertise across the value chain

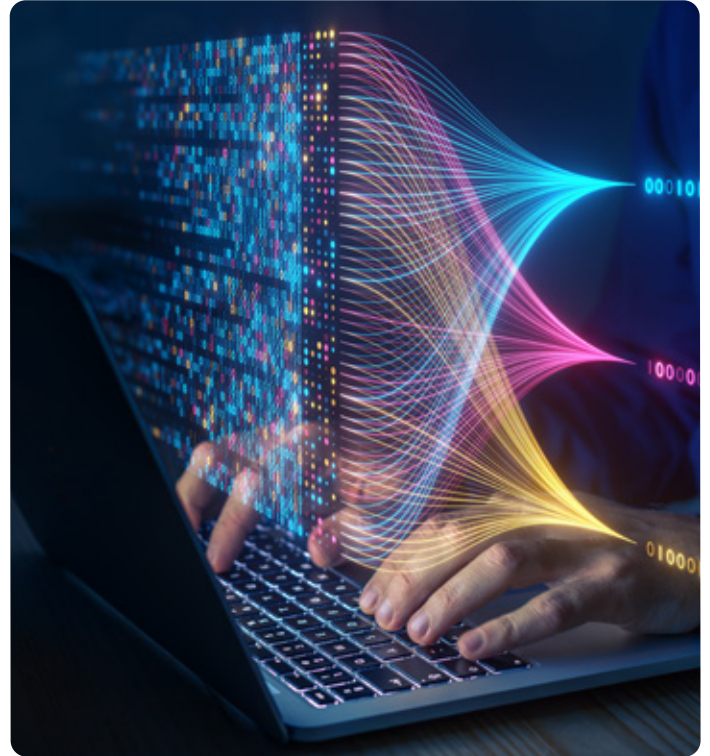


## Discover our expertise

With the emergence of Machine Learning (ML), Artificial Intelligence (AI), analytics and edge computing, the data universe has grown exponentially over the last decade. According to IDC, it is estimated that by 2025, 175 zettabytes of data would be stored from ongoing digital transformation. As organizations tend to move toward consuming this data intelligently, it is crucial for cloud and data center infrastructure will need to become fast, smart, efficient, and cost-effective.

Software-defined storage and networking, hyper-converged infrastructure, composable infrastructure, all flash, SSD, universal storage technologies, and data management are some of the themes that have been transforming this space.

Data center and server storage must also address concerns about data security, redundancy, and scalability to meet the growing demands of businesses and consumers alike. As data continues to grow exponentially, innovations in storage technologies and data center infrastructure remain crucial for the sustainability and growth of the digital world.



## Data center engineering services: A domain focused approach

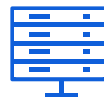
Themes that are transforming this space include software defined storage and networking, hyper-converged infrastructure, composable infrastructure, all flash, SSD, universal storage technologies, and data management. With our strong product engineering DNA and experience of working across the data center infrastructure, we are uniquely positioned to support our customers in their technology transformation journey.



### Data Protection >

With an experience of more than five years in data protection domain (appliance and software), With strong engineering capabilities and a team of over 500 experienced consultants catering to this domain, we take end-to-end engineering ownership that includes market objectives. The various we provide in our solution for data protection encompass:

- Backup storage/restore to disk, tape and cloud
- Deduplication and snapshots
- Replication and NAS
- Disaster recovery and archiving
- Continuous DP (RPO, RTO)
- Copy data management
- Cyber security
- Data portability (cloud native/ hybrid/ multi cloud environments)



### Storage Devices and Systems >

With over 17 years of experience and presence of 500+ engineers; and with Industry Proven Solution Accelerators & Frameworks, we provide a large umbrella of services in and around the Storage Devices and Systems domain which includes:

- DC Management software - SMIS, SNMP, CIM/WBEM, VSS/VDS
- SW Platform/OS
- Block and File I/O stacks
- NAS
- Distributed filesystems
- Mirroring/Replication
- Snap Copy
- Volumes
- Compression
- Archival



### Server/ HCI platforms >

We have over ten years of experience in HCI and server domain. We hold strong engineering skills and have more than 400 experienced consultants in the domain. The various services provided by our solutions in the server/HCI platform domain include:

- Host based drivers and RAID controllers.
- I/O protocols: SCSI, SAS, SATA, AHCI, NVMe, NVMeOF and PCIe
- Block and file I/O stacks, NAS, distributed filesystems
- AFA converged and Scale Out
- Software defined storage, COTS hardware
- DC management software - SMIS, SNMP, CIM/WBEM, VSS/VDS
- End-to-end validation and automation FibreChannel, IPv4/IPv6, InfiniBand



### Interop services >

Our solutions provide a multitude of services encompassing hardware compatibility management, interoperability certification and reference architecture design, and test services enabling the lab in demand to choose test. Additionally, we employ AI/ ML based test characterization, result analysis and insights, ensuring comprehensive and advanced testing solutions.

- Certification and solution testing
- Performance
- Interoperability testing
- Test lab design

## Industries we serve

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Cloud  
(Data center)



Storage and  
security



Communication  
(Networking, 5G)



Consumer electronics  
(Smart devices)

## Key highlights

### # 10+ customers

File storage OEM, all flash array OEM, HCI software and SDS solution provider, large network/ compute system OEM, hyperscalers

### # Engineering centers and state-of-the-art labs

Spanning across US, India and Canada

### # 15+ years expertise

Across storage, compute, networking, hyperScalers

### # 15+ products engineered

Roadmap enhancements, sustenance

### # 2000 engineers

Presence across entire data center infrastructure

## Value delivered



Extensive product and platform engineering expertise across storage, compute and networking infrastructure

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E2E transition of over **10** products impacting more than \$1B market revenue

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Servicing more than **30K** enterprises and cloud end customers

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More than **100** technical subject matter experts in North America

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**90%** managed services with engineering ownership



Over **\$10 Mn** investment in customer centric lab infrastructure

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HCLTech is a global technology company, home to 221,000+ people across 60 countries, delivering industry-leading capabilities centered around digital, engineering and cloud, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending September 2023 totaled \$12.9 billion. To learn how we can supercharge progress for you, visit [hcltech.com](https://hcltech.com)

