

HCLTech sovereign cloud

For life sciences and healthcare



Sovereign cloud solution for LSH

Meeting you where you are on the path to sovereignty compliance (HIPAA, GDPR) and trust for patient data



Sovereign cloud is a private cloud solution for public and private sector industries that meets local sovereignty and jurisdiction compliance around data privacy, access and control by ensuring that cloud infrastructure resides in country and is managed by in-country citizens.



Highly secure to meet regulatory compliance and data sovereignty



Integration with in-region regulated public clouds when required



Optional private cloud model for the most critical data hosting environments

Market trends

50%



Half of all organizations plan to adopt sovereignty in their overall cloud offerings, with key focus on data localization requirements

\$190B



EMEA is a large market opportunity for sovereign cloud, valued at \$190B

12%



Data sovereignty was cited as the main driver for investment in IT infrastructure by 12% of clients in the healthcare sector

41%



41% of healthcare customers are concerned about visibility of their personal data

25%



The sovereign cloud can help protect the most sensitive data by keeping it under sovereign control, which is key because a recent survey found that 25% of those surveyed opposed the NHS using AI to process patient data

Regulations and compliance

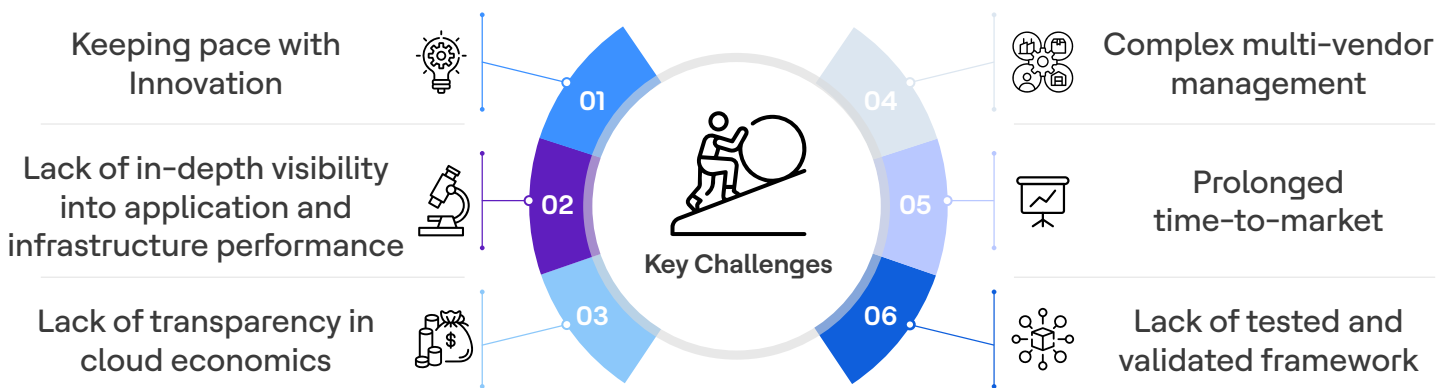


The Health Information Technology for Economic and Clinical Health (HITECH) Act

Patient Safety and Quality Improvement Act (PSQIA)



Client challenges



Driving factors - LSH



Confidentiality

Integrity

Availability



Remote patient monitoring



Healthcare platforms



Sustainability



Cybersecurity



Digitization of healthcare records



Biomedical research

Freedom from external interference



Protection



Privacy



Resiliency



Regulation



Economic security

HCLTech velocity offering

Analyze

- Solution architecture
- Application grouping
- Migration approach document
- Migration strategy and pattern analysis
- Define migration wave
- Test and validation strategy
- Cut over strategy and rollback plan
- Define migration schedule
- Create implementation plans

Operate and optimize

- Sizing recommendation and reports
- Budget tracking
- Optimization analytics
- Continuous improvement
- Automated capacity optimization and planning
- Intelligent operations
- Policy-based automation

Explore

- Discovery
- App to infra mapping
- Architecture documents
- Validation of SLAs
- Constraints and dependencies
- Risk mitigation
- Migration approach

Craft

- Create subscription
- Connectivity setup
- Core infra SDDC build
- Software stack configuration (Automation, SDN etc.)
- Build acceptance testing
- Security certification
- Proof of concept

Migrate

- Homogeneous migration
- Execution of migration waves
- Data replication
- App testing and UAT
- Go/No-Go decisions
- Rollback plans
- Hand over to support, hyper-care

HCLTech's Velocity is a holistic offering that includes end-to-end service delivery of hybrid cloud, taking into consideration people, process, technology and cost.



People
(Silo to blended)



Process
(Manual to automated)



Technology
(Legacy to modern)



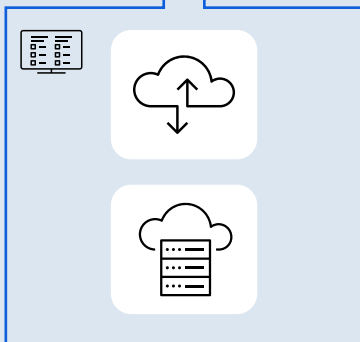
Cost
(Optimized and flexible)

Sovereign cloud consumption models

REGIONAL PUBLIC CLOUDS

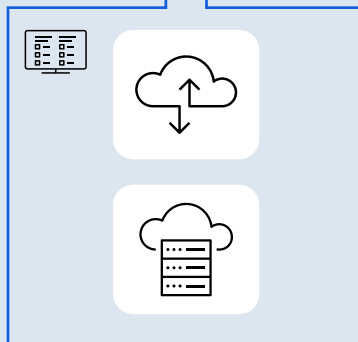


CLOUD MANAGEMENT PLATFORM



SaaS

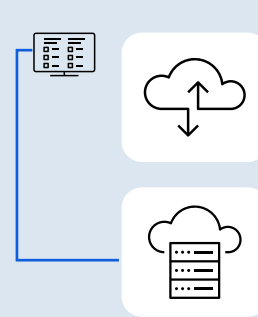
CLOUD MANAGEMENT PLATFORM



INTERSIGHT PRIVATE VIRTUAL APPLIANCE

Hybrid

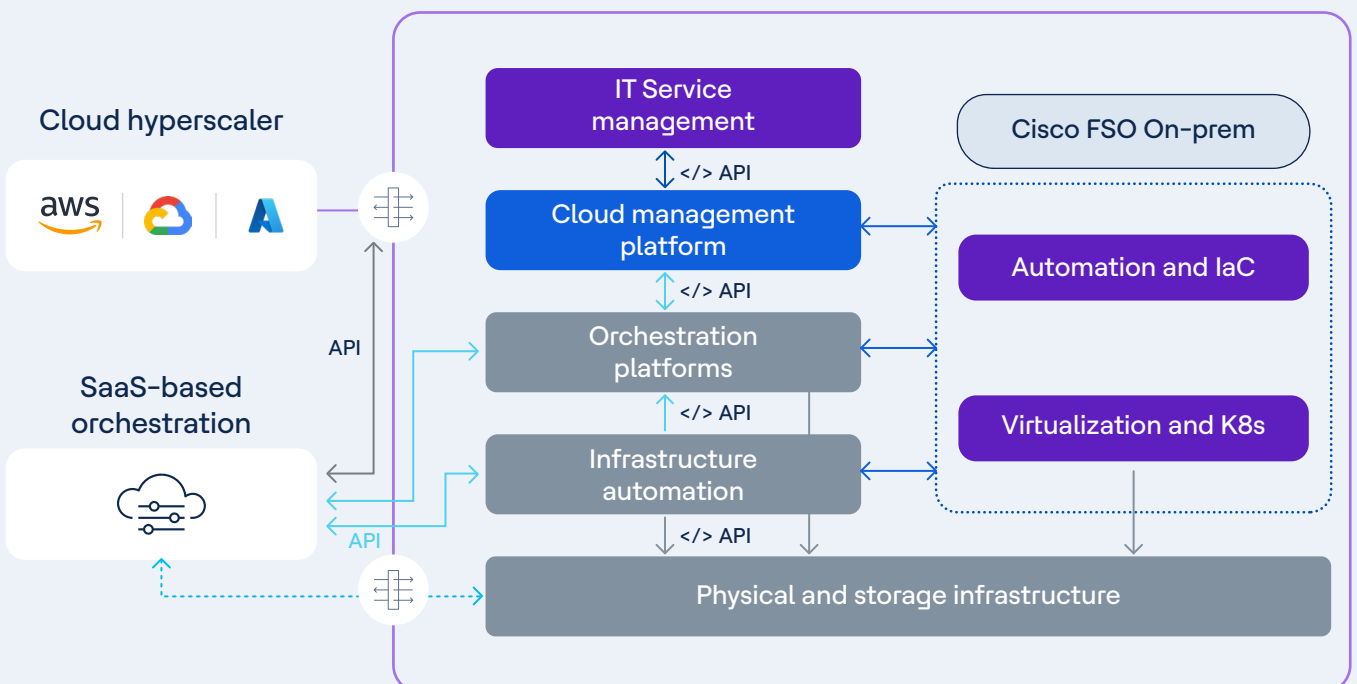
CLOUD MANAGEMENT PLATFORM



INTERSIGHT PRIVATE VIRTUAL APPLIANCE

Private Cloud

Reference architecture: SaaS, hybrid and private cloud



Use cases in LSH



Remote patient monitoring

Cloud-enabled opportunity to modernize operations through services like consolidated card information, customer transaction details and digital payment applications to ensure frictionless and flexible digital transactions that are secure and compliant



Healthcare platforms

Collaborating key information like customer data, transaction details across platforms to ensure improved business flexibility and enhanced user-experience for the stakeholders



Digitization of healthcare records

Collaborating key information like customer data, transaction details across platforms to ensure improved business flexibility and enhanced user-experience for the stakeholders



Bio-medical research

Detecting money siphoning and fraudulent activities across platforms by using efficient fraud detecting algorithm and resilient layers of security to create a safe and fraud free transaction networks



Data sovereignty
in cloud

Data security and
compliance

Data access
and integrity

Data independence
and mobility

Technology trust



Adoption accelerators



Technology enablement

Consultation,
customization and
professional services

Integration, security
and scaling

Managed services
and support



Accelerated deployment

Migration and
optimization

Training and analysis

Consultation and
transformation



HCLTech labs and CoE

Proof of concept

Workshops and expertise

Collaborative
partnerships

HCLTech PoV

Benefits



Greater transparency and trust

Knowing where the data is located and who has access to it fosters trust and transparency with customers and citizens.



Enhanced data security and privacy

By keeping data within national borders, sovereign clouds minimize the risk of unauthorized access from foreign entities. It is crucial for organizations handling sensitive information like healthcare records, financial data or government secrets.



Improved regulatory compliance

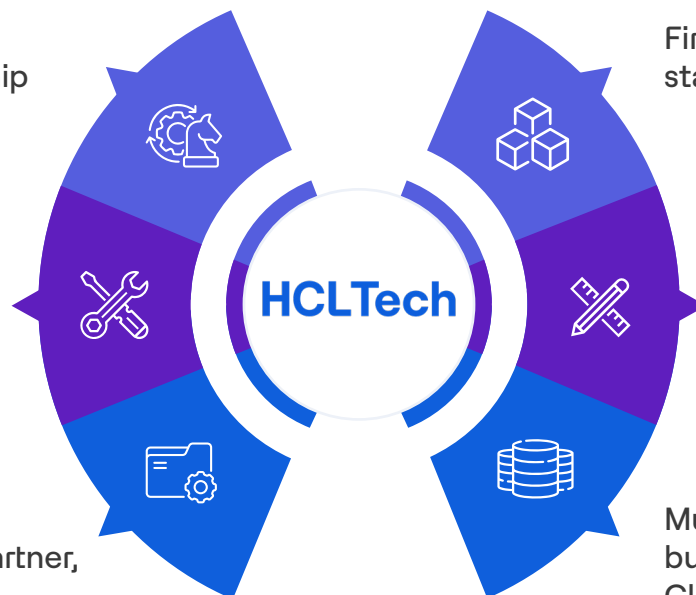
Stringent data protection laws like GDPR in Europe or CCPA in California necessitate strict data residency and control measures.

Why HCLTech?

27 years of strategic, 360-degree partnership with Cisco

"Cisco Global Provider Gold"

Leader in all analyst reports for cloud: Gartner, IDC, Everest Group, Avasant



First GSI to build SDDC stack with Cisco

40+ Validated and highly sought-after use cases with 9 tested partner integration

Multicloud framework built on HCLTech's CloudSMART

[Visit our page for more insights](#)

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