

## Clouidian HyperStore Appliance Onsite Installation Services

Clouidian Professional Services provide standardized installation, upgrade, and configuration services focused on getting your Clouidian HyperStore cluster ready for application integration and data migration.

### Base Installation Service (up to 10 nodes)

This onsite service includes the installation of up to a 10-node cluster, including rack and stack of all HW components, and SW installation and configuration. It also includes the enabling of its networking, data protection, DR, and data functions. This fixed-price offering includes all the services listed below with no additional charges for travel or expenses incurred by the installer.

For clusters larger than 10 nodes, this service can be used in conjunction with the 10-node add-on service, where each additional service package includes the install of an additional 10 nodes. For a 40-node cluster, you would need to request the Base 10 node cluster installation service plus 3 x 10 node add-on services.

### The Clouidian Professional Services Engagement

Clouidian Professional Services will work with you from start to completion to ensure a successful installation. Our engagement includes the following phases:

#### Planning

The first step is a planning workshop with you, your Clouidian SE and Professional Services consultant to discuss your needs. The workshop will document all key business and technical dependencies, responsibilities, and final technical requirements so they are understood by all parties. You will receive a pre-installation checklist to prepare your environment for installation. This process ensures full adherence to best practices.

#### Installation

Using the design approved in the planning workshop, the Clouidian Professional Services consultant will inventory your equipment, install it in rack, and connect all needed cables. After powering on the equipment, the consultant will validate the networking environment with a pre-install network check tool and then install and configure HyperStore management, monitoring, and reporting capabilities. The cluster will also be setup to dial home to Clouidian support if approved.

#### System Walkthrough and Integration

Based on the design document, your Clouidian consultant will review with you the procedures for creating user groups and users, creation of storage policies, rating plans, and bucket creation. Assistance with integration to the S3 client application will be provided.

#### Acceptance Testing

The Clouidian consultant will finally conduct a set of tests -- such as network validation, disk and node failover, reporting/alerting, and performance tests -- to ensure your cluster is fully functional in accordance with your defined acceptance criteria agreed in the planning workshop.

#### Transfer of Knowledge/ System Handover

Once the installation is complete, you and your consultant will review the system and its operation in detail. You will also receive documentation of the system walkthrough phase to help you train further members of your staff.



### Base Installation Service

- Up to 10 nodes
- Rack and stack all hardware
- Install and configure software
- Enable networking, data protection, DR, and data functions

### Additional Services

- Additional 10 node install (HW & SW)
- SW-only installation (performed remotely)
- Additional 10 node install (SW only)
- Cluster upgrade (appliance and SW-only options available)
- Cluster health check
- Elastic search installation and configuration
- Clouidian file gateway installation

### Fast and Trouble-free

Clouidian Installation Services accelerates deployment of your HyperStore cluster. Our trained professionals will guide you through the process.

### Best Practices

Your installation will integrate best practices for security and data protection.

### Expert Services

Our consultants bring extensive storage experience and training to every installation.

## Installation Service Description

Onsite Cloudian HyperStore Appliance Installation Service (up to 10 nodes) includes:

### Planning & Preparation

- Identify scope of work
- Identify roles and responsibilities within the project and sign off criteria
- Provide pre-installation checklists (with items below)
- Review space, power, and cooling requirements
- Review cables required for the installation
- Plan for the necessary network ports
- Plan for the necessary DNS, VLANs/IP address and load balancing
- Discuss S3 applications/users to be used
- Identify final configuration and agree final solution design

### Cluster Installation

- Inventory Cloudian hardware equipment against the sales order
- Physically rack and cable all Cloudian hardware equipment, including connecting network (note: cables to be provided by the customer)
- Conduct power-on cluster node tests and verify operation
- Run environmental validation checks
- Centralised deployment of Cloudian HyperStore
- Verify access to Cloudian Management console (CMC)
- Verify License has been applied
- Configure HyperStore management, monitoring, and reporting

### Basic Configuration and System Walkthrough

- Review best practices
- User group and user management
- Storage Policy configuration for data protection, DR, consistency level settings
- Quality of Service configuration
- Rating Plan creation
- Bucket creation and operations
- Create integration with S3 clients

### Acceptance Testing

- Network infrastructure validation (DNS resolution, private and public network separation, firewall configuration, load balancing operation)
- Create bucket using Test user
- Upload data to bucket using CMC
- Verify location of data using object explorer based on Storage Policy
- Verify cluster's HA capabilities/ conduct pull tests on nodes and disks
- Test Cloudian phone home capability to Cloudian support team
- Email alert testing
- Use COSBench (or equivalent tools) on your hosts to validate cluster performance benchmark

### Transfer of Information / Array Hand-Off

- Review how to engage support and ensure that you have access to the Cloudian customer portal
- Present an overview of cluster architecture and GUI
- Demonstrate how to create buckets and bucket lifecycle policies
- Review the best practices on connecting S3 clients
- Demonstrate how to monitor the cluster in real-time through the CMC
- Review key administrative tasks on the cluster (software upgrades, adding users)
- Provide Cloudian HyperStore administration material
- Deliver final cluster build documentation



## About Cloudian HyperStore

- Amazon S3 API compatible
- Policy-based tiering to Amazon S3, Google Cloud, or any S3-compatible clouds
- Efficient data protection with compression, replication, and erasure coding
- Encryption for secure data storage
- Comprehensive multi-tenant services
- Quality of Service (QoS) controls Integrated billing, management, and software
- Scale from TBs to PBs without disruption
- Geo-distribution—replicate data and metadata across geographically distributed data centers

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