

H3C AD-DC 5.0 Solution

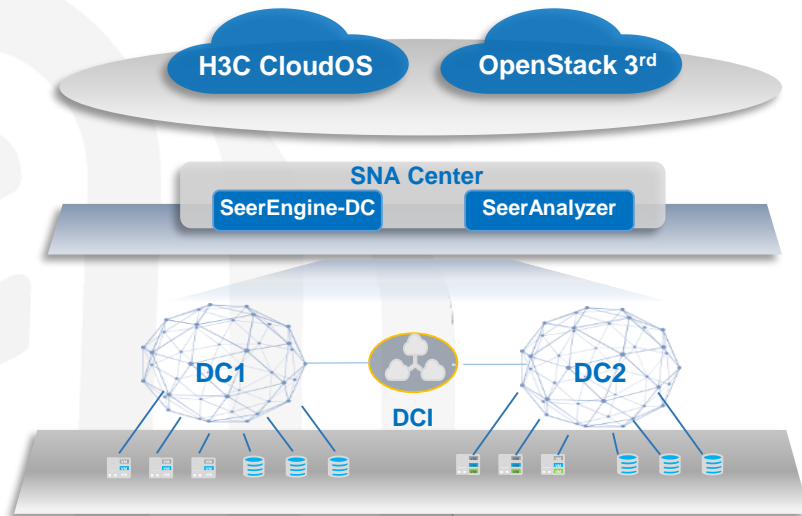


An Intent-Based Data Center Solution



Application-Driven Data Center 5.0

AD-DC 5.0 is the latest version of the H3C Application-Driven Data Center (AD-DC) solution. It uses the brand new SeerNetwork Architecture (SNA) to promote unified management and cross-domain functions. AD-DC 5.0 is H3C's leading Software-defined networking (SDN) solution, facilitating data center automation, deployment agility, and security enhancement. It is typically deployed through a combination of H3C flagship components, including the software platform SNA Center, SDN Controller SeerEngine, AI component SeerAnalyzer, H3C CloudOS, Data Center Switch S12500/9850/6800 series, and other hardware and software.



Key Benefits

Converged IBN Architecture: SNA

- Integration of Management, O&M, and Control into a single pane.
- Embedded AI and Big Data components for better network analysis.
- Combine Data Center, Campus, WAN into a single cross-domain portal.

Automation of Entire Network Deployment

- Overlay/Underlay automation and graphically management.
- Support Multi-Fabric automation
- Support computing workload automation including VM, Bare Metal, and Container.

Network Protection

- Pervasive security methods like service chain, whitelisting, and policy enforcement.
- Multi-border, Multi-Egress, and High Availability design ensure the consistence of Business.
- Lossless Network improves the efficiency of data flow transmission.

Openness & Insight

- Support industry standard open APIs like NETCONF, OpenFlow, and Restful API.
- Compatible with OpenStack, Kubernetes, OpenShift, and VMware.
- Converge with AI, Big Data, ERSPAN and In-band Telemetry (INT) for precise analysis.

Agility for Scale

- Support Multi-Fabric facilitating the expansion of Data Center.
- Accelerate to Multi-DC Interconnection by DCI EVI 2.0.

Components

H3C SNA Center

SNA (SeerNetwork Architecture) is the AI-based Network architecture leveraging the microservice, with the component of SeerEngine, SeerAnalyzer, and IBN-based SNA Center. SNA Center is the common portal for AD-DC, AD-Campus, and AD-WAN.

SeerEngine-DC

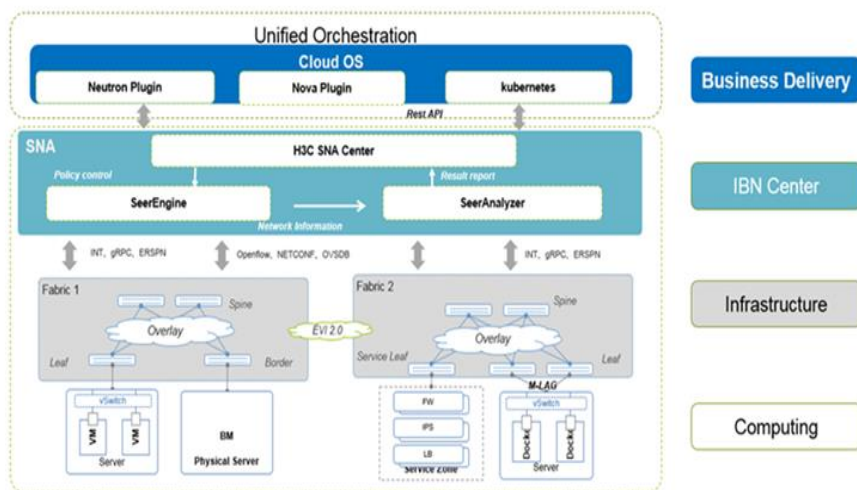
SeerEngine-DC is the SDN controller typically deployed with SNA Center in AD-DC 5.0 solution. The main function of SeerEngine-DC are: underlay/overlay automation, topology display, radar detection (troubleshooting), and fundamental network control & management, etc.

SeerAnalyzer* (Future)

SeerAnalyzer is the AI component (optional) deployed with SNA Center in AD-DC 5.0 solution. The main function of SeerAnalyzer is to enhance the O&M capability in Data Center by leveraging the AI and telemetry technology.

H3C CloudOS

H3C Cloud OS is a commercial Cloud management platform based on OpenStack. It connects with SNA through the general OpenStack API Plugin like Nova, Neutron, and Cinder, etc. to provide cloud unified orchestration function for customers.



AD-DC 5.0 Use Case

AD-DC solution can be widely used in Finance, Internet, Government, Education, National Grid, Transportation, Carrier, manufacture, etc. for:

Cloud Data Center Construction

This use case is typical for enterprise or government looking to build a private cloud data center for internal usage.

Enterprise Refresh/Build-Out

This use case is typical for an enterprise that is refreshing the hardware of an existing data center network and/or expanding the footprint within an existing data center.

Midmarket Refresh/Build-Out

This use case entails a small physical data center networking build-out, within a midsize enterprise or equivalent public sector organization.

Agility Boost

This use case is for an enterprise looking to improve their existing data center network's agility, with the goal of delivering data center networking capabilities faster.

For More Information

- ❑ H3C AD-NET Solutions Connect+ Official Website
https://www.h3c.com/en/Solution/Technology_Solution/InterConnect/
- ❑ H3C AD-DC 5.0 Solution Data Sheet
https://www.h3c.com/en/Solution/Technology_Solution/InterConnect/AD_DataCenter/Solutions/201808/1103996_294550_0.htm
- ❑ H3C SeerNetwork Architecture (SNA) Center Data Sheet
https://www.h3c.com/en/Solution/Technology_Solution/InterConnect/AD_DataCenter/Products/202003/1275523_294550_0.htm
- ❑ H3C SeerEngine-DC Controller Data Sheet
https://www.h3c.com/en/Solution/Technology_Solution/InterConnect/AD_DataCenter/Products/202003/1275522_294550_0.htm