

Lenovo Open Cloud Automation for Red Hat OpenShift

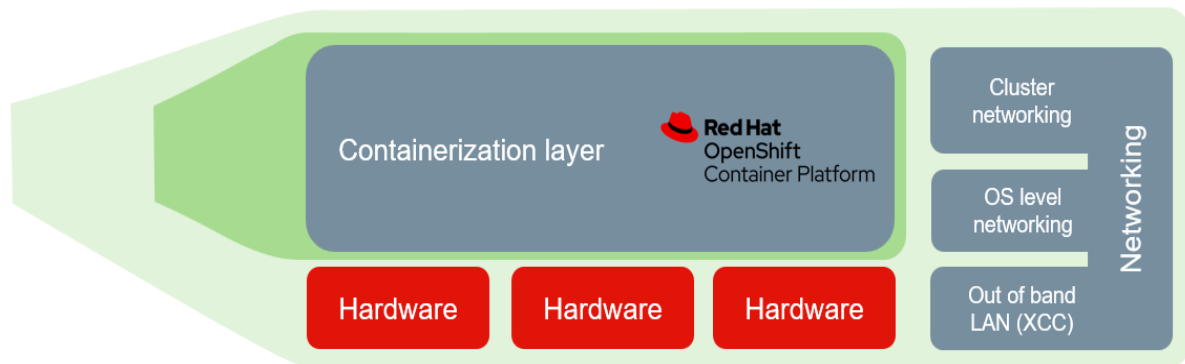
Accelerate cloud deployment from Data Center to the Edge

Lenovo is well known for delivering servers to the industry with the #1 uptime and the highest customer satisfaction. Lenovo also provides software solutions for Enterprises and Cloud Providers that dramatically accelerate deployment of a container cloud infrastructure for both Information Technology (IT) and Operational Technology (OT).

The Lenovo Open Cloud Automation (LOC-A) software solution helps to rapidly deploy, optimize, and manage cloud infrastructure for bare metal servers, containers and VMs.

The cloud deployment process often involves manual steps and processes that benefit from some level of automation tools that exist. However, this process is sequential, time-consuming and error prone.

At the Edge, the deployment process is even more complicated by specific physical constraints such as: the sheer number of sites, the distance between sites, the diversity of edge environments and so on. These challenges make edge infrastructure deployment automation a must. Lenovo Open Cloud Automation has been developed specifically for solving all of these challenges.



High-Level scope for Lenovo Open Cloud Automation

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LOC-A's end-to-end automation approach simplifies and streamlines the cloud deployment processes. LOC-A is an automation platform that orchestrates the entire chain of events/tools from hardware configuration to RedHat® OpenShift® and networking layer configuration.

It automates cloud and edge deployments, enabling Enterprises and Cloud Providers to accelerate time to value, simplify operations and be cost effective.

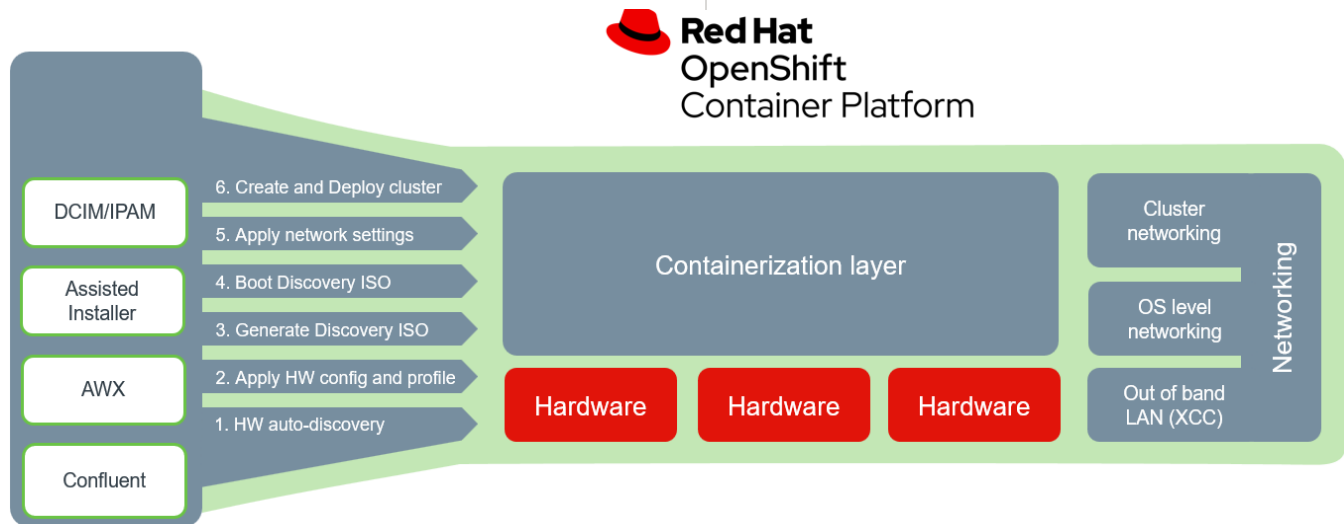
With support for Red Hat OpenShift, LOC-A automates both deployment and on-going cloud life-cycle management operations.

LOC-A comprises of a set of containerized services that help deploy end-to-end cloud solutions and integrates with existing management platforms through REST APIs.

It can deploy the needed cloud infrastructure for workloads that a cloud service provider may deploy, including VMs, containers and bare metal platforms. New clusters and compute nodes can be automatically integrated into the existing infrastructure in real-time. Scaling to hundreds of servers and thousands of edge locations is seamless.

Lenovo Open Cloud Automation for Red Hat OpenShift

LOC-A enables simplified Red Hat OpenShift® auto-deployment based on pre-defined HW configurations and deployment workflows.



Lenovo Open Cloud Automation activities for Red Hat OpenShift Container Platform deployment

Benefits

The benefits of Lenovo Open Cloud Automation include:

Maximize time to value with low touch deployment:

- Create repeatable deployment templates and configurations that can be used to further accelerate edge rollouts
- Rapidly bring up new edge sites with up to 3X faster deployment of Red Hat OpenShift Container Platform through automation instead of manual processes
- Scale deployment of edge projects by shipping straight to edge location and not requiring expert System Engineers to travel from site to site for cluster deployment

Simplify operations and reduce costs:

- Operational automation framework reduces human errors, while making it easy to keep up with latest software and updates
- Easily scale across multiple sites and users while containing expenses

Efficiently extend your cloud to the Edge

- Truck rolls are nearly eliminated for Edge deployments as automated cloud deployment becomes the new baseline for network expansion

As an option, Lenovo professional services are available to enable swift initial deployments on private clouds. Lenovo is your trusted infrastructure deployment partner to ensure that your infrastructure deployment, expansions, and maintenance perform reliably.

Lenovo Open Cloud Automation licenses

Lenovo Open Cloud Automation software subscription is available for both Red Hat environments for 3 and 5 years, and 1 year renewal options as shown in the table below.

LOC-A Software Subscription Licensing	SKU
LOC-A for Red Hat 2 socket server for 3 years with support	7SOY0001WW
LOC-A for Red Hat 2 socket server for 5 years with support	7SOY0004WW
LOC-A for Red Hat 2 socket server for 1 year with Support, renewal	7SOYR002WW

Red Hat OpenShift subscriptions and supported versions

Lenovo Open Cloud Automation supports Red Hat OpenShift Container Platform versions 4.10 and 4.12 (Red Hat Extended Update Support is required for running older versions of OpenShift). Running Red Hat OpenShift Container Platform and OpenShift Container Platform Plus requires a subscription.

Red Hat OpenShift Container Platform includes Kubernetes and many advanced management features. Red Hat OpenShift Platform Plus includes advanced multi-cluster management, security and more. Learn more at <https://cloud.redhat.com/products>

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Lenovo also offers Red Hat OpenShift Container Platform and Red Hat OpenShift Container Platform Plus Bare Metal Node subscriptions. Select one from the following:

Red Hat OpenShift Subscriptions	SKU
Red Hat OpenShift Container Platform, Premium (1-2 sockets up to 64 cores) RH Support 1 year	7S0F003PWW
Red Hat OpenShift Container Platform, Premium (1-2 sockets up to 64 cores) RH Support 3 year	7S0F003ZWW
Red Hat OpenShift Container Platform, Standard (1-2 sockets up to 64 cores) RH Support 1 year	7S0F003QWW
Red Hat OpenShift Container Platform, Standard (1-2 sockets up to 64 cores) RH Support 3 year	7S0F0040WW
Red Hat OpenShift Platform Plus, Premium (1-2 sockets) RH Support 1 year	7S0F004VWW
Red Hat OpenShift Platform Plus, Premium (1-2 sockets) RH Support 3 year	7S0F004ZWW
Red Hat OpenShift Platform Plus, Standard (1-2 sockets) RH Support 1 year	7S0F004WWW
Red Hat OpenShift Platform Plus, Standard (1-2 sockets) RH Support 3 year	7S0F0050WW

Hardware Support

Lenovo Open Cloud Automation is designed to support the Lenovo ThinkSystem® and ThinkEdge® series of servers as per below:

Lenovo ThinkSystem SR630	Machine Types 7X02 & 7X03
Lenovo ThinkSystem SR650	Machine Types 7X05 & 7X06
Lenovo ThinkEdge SE350	Machine Types 7Z46 & 7D1X
Lenovo ThinkEdge SE450	Machine Type 7D8T

For More Information

To learn more about Lenovo Open Cloud Automation for Red Hat OpenShift, contact your Lenovo representative or Business Partner, or visit lenovo.com/cosp

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$62 billion revenue global technology powerhouse, ranked #171 in the Fortune Global 500, employing 77,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver smarter technology for all, Lenovo is expanding into new growth areas of infrastructure, mobile, solutions and services. This transformation is building a more inclusive, trustworthy, and sustainable digital society for everyone, everywhere.



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