

Cisco Container Platform for SAP Data Hub



Turnkey



Open



Flexible



24x7 Support

Containers have become essential

They're the latest—and arguably one of the most powerful—technologies to emerge over the past few years to change the way we develop, deploy, and manage applications. The days of the massive software release are quickly becoming a thing of the past. In their place are continuous development and upgrade cycles that are allowing a lot more innovation and quicker time to market, with a lot less disruption—for customers and IT organizations alike.

However, this change is not without its challenges. Setting up, deploying, and managing multiple container-based services at scale gets tedious. And difficult to manage. Which is why Kubernetes is currently taking the IT world by storm. Kubernetes automates many of the most complex and time consuming tasks associated with container cluster management. It's intuitive, it's simple, and it's quickly becoming the go-to choice of IT organizations looking to manage containers effectively. SAP leaders in fact have stated in the last year that the future of SAP apps is in containers on Kubernetes.

“In SAP’s customer base, we clearly see the push towards micro-services and hybrid cloud deployments. Customers need to keep the data close to their business for compliance reasons and thus within their data centers, but at the same time they would like to consume modern cloud services and offerings. Our partnership with Cisco is extremely valuable as it addresses exactly this situation. Our joint collaboration allows running SAP’s modern data orchestration and refinery solution--SAP Data Hub--on the Cisco Container Platform in such hybrid cloud deployments. Accordingly, Cisco and SAP working in union solve an increasingly important need for a broad group of customers.”

*-Dr. Lars Dannecker, Big Data Architect,
SAP*

Benefits

Validated architecture: Cisco and SAP have worked together to build an end-to-end validated and tested architecture so customers can run production-grade SAP Data Hub environments safely on-premises with the option to also run them in hybrid cloud mode.

Enviably simple: This is a turnkey, highly-integrated solution. No need to figure out how to make it all work together. We've already done that for you.

Integrated support model: Ensures that you get the same enterprise-grade support for Kubernetes that you're accustomed to getting with other Cisco solutions.

Compatible with non-containerized SAP workloads: If you run CCP on HyperFlex you won't need to create a new silo for your Kubernetes platform. You can run it in the same stack.

Future-proof: Cisco is already working on supporting additional Kubernetes-based SAP apps to ensure you can build on this platform for years to come.

A Production-Ready Container Management Platform Emerges

Cisco leaders realized that the Kubernetes was the future as well, and with that in mind, launched the Cisco Container Platform in early 2018. A fully curated, lightweight container management tool for production-grade environments, Cisco Container Platform is based on 100% upstream Kubernetes, and delivered with Cisco enterprise-class TAC support. It reduces the complexity of configuring, deploying, securing, scaling and managing containers via automation combined with Cisco's best practices for security and networking. Cisco Container Platform is built with an open architecture using open source components, and it works across both on-premises and public cloud environments.

A Compelling Case for Collaboration

Realizing that they were heading in the same direction and could benefit from working together, engineering teams from SAP and Cisco collaborated to build an end-to-end tested and validated architecture on Cisco Container Platform for one of SAP's newest offerings, SAP Data Hub.

Data Hub is SAP's big data visualization and management tool. It allows users to see data from across their company's entire data landscape, pulling it from sources like Hadoop, Amazon S3, and SAP HANA and ERP. The comprehensive view it creates helps users understand the data, see the opportunities it presents, and get it to the teams who can leverage it most powerfully.

By integrating Data Hub with Cisco Container Platform, SAP has made it possible for customers to run production-grade environments safely on-prem, with the option to run them in a hybrid cloud mode if desired. It also ensures that developers have the same GKE experience on-prem that they're accustomed to when using Google Cloud. And it includes an integrated support model so customers will enjoy the same enterprise-grade support for Kubernetes they are used to getting from Cisco.

Long term, Data Hub on Cisco Container Platform will benefit from the larger Cisco/Google Hybrid Cloud Partnership, a joint effort at delivering a consistent IT environment and seamless integration across both public and on-premises clouds.

Flexible Deployment Options

The solution will be available both as a convenient bundle on top of Cisco's HyperFlex or as software only, running on the customer's platform of choice. When deployed on HyperFlex, the Cisco Container Platform becomes even more attractive, delivering a truly turnkey hyperconverged, cloud-ready combination of compute, persistent storage, networking, security, L4-L7 load-balancing, and hypervisor.

For more information

To learn more about Cisco Container Platform, visit www.cisco.com/go/containers.