## Technology

Cisco Container Platform (CCP) is a fully curated, lightweight container management platform for enterprise environments.  CCP automates the repetitive things and simplifies the complex tasks of managing Kubernetes clusters and is based on open source components (100% upstream Kubernetes, Docker, Contiv, Nginx, etc.) so there's no proprietary lock-in. CCP runs anywhere, with consistent deployment across hyperconverged infrastructure, VMs, bare metal, public, and private cloud.

Amazon Elastic Kubernetes Services (AW EKS) is a managed service that makes it easy to run Kubernetes on AWS without installing and operating your own Kubernetes clusters. AWS EKS runs the Kubernetes management infrastructure across multiple AWS availability zones.

## Challenge

Our customer needed to migrate on premise Kubernetes services into AWS EKS and have the confidence to be able to manage production ready Kubernetes services in AWS EKS.  CCP's ability to manage the control plane from a single interface ("single pane of glass"), support Active Directory logins and credentialing, and provide secure connectivity between clouds made CCP the right choice for our customer. Our customer also needed CCP to be easy to use for their internal IT teams, particularly DevOps.

## Solution

Metsi consulted with the customer to determine their current Kubernetes requirements as well as their roadmap for container management. Metsi demonstrated how to design, build, and deploy a secure AWS EKS environment with CCP.  Metsi also secured the on premise to public cloud connectivity utilizing the Cisco CSR 1000v and Stealthwatch to monitor traffic in and between these environments.

## Achieve Digital Maturity with Metsi's Full Stack Engineering

## Summary

Metsi offers Cisco Container Platform (CCP) consulting, design, and delivery services with ongoing break/fix or advisory support. Metis provides the POV architecture for CCP integration with the customer's open source components, hyperconverged infrastructure, and multicloud environments. Metsi also provides IT automation and orchestration expertise for CCP deployments

## Metsi Technologies

Metsi is a global Full Stack Engineering Systems Integrator, Cisco Integrator Partner, and Cisco Business Learning Partner. We have business offices in the US, UK, and Germany and distributed engineering resources throughout North America, Europe, and Africa.

Metsi specializes in complex systems automation & orchestration, built on a multicloud or hybrid cloud fabric, and empowered by a Software Defined Data Center.  Our software engineers are experts in self-service platforms (Prime Service Catalogue, CloudCenter), real-time business performance and optimization (AppDynamics, Tetration, Turbonomic); and automated control of network infrastructure (ACI). We integrate the entire IT stack, including RedHat, Microsoft, VMware, Kubernetes, AWS, Azure, and Google Cloud Platform. At the top of the stack, we offer 20+ years of Business Performance Management, including business intelligence, software intelligence, and Cloud APM.
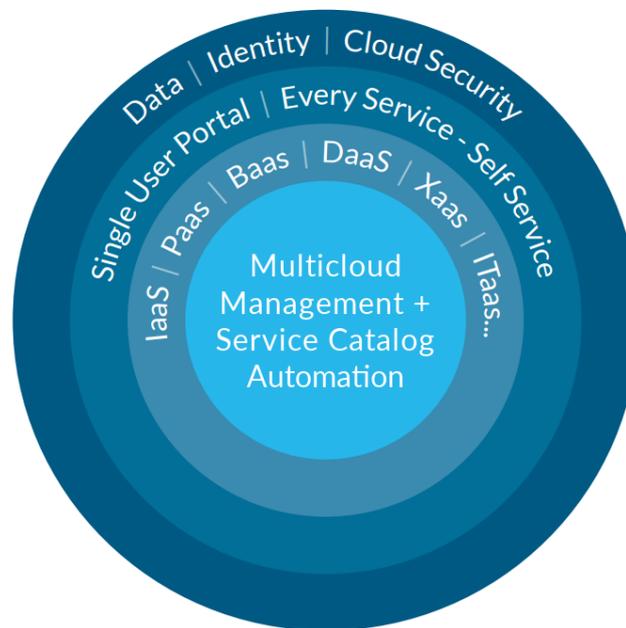
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