



► Use Case: Containers as a Service Using OpenShift and Nuage

Technology

OpenShift is a family of containerization software developed by Red Hat. OpenShift Container Platform is an on-premises or cloud hosted Platform as a Service (PaaS) based on top of Docker containers orchestrated and managed by Kubernetes.

Nuage Networks Virtualized Services Platform (VSP) provides software-defined networking (SDN) and policy-based automation for cloud deployments. This network-wide solution includes components that can help you optimize datacenter, cloud or software-defined WAN operations and automate security policies and remediation.

Challenge



Our customer needed to standardize on a Containers as a Service platform in order to rapidly deploy new applications in a hybrid multicloud environment. Their enterprise team needed to increase application agility and support for DevOps practices, eliminate dependencies between application development lifecycles and infrastructure technology lifecycles, and enable seamless deployment and movement of applications between private and public cloud environments.

Solution



Metsi proposed an architecture that created three layers of service abstraction. OpenShift templates were used to capture application intent and model application behaviours for standardization in the hybrid multicloud environment. The OpenShift Container Platform was deployed both on-premises on RedHat Enterprise Linux as well as in the public cloud on Microsoft Azure. This offered a single cloud orchestration model and common set of infrastructure services across all environments. Finally, Nuage VSP provided the networking glue for a fully orchestrated software-defined network (SDN) solution that seamlessly interconnects application services across datacentres.

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Summary

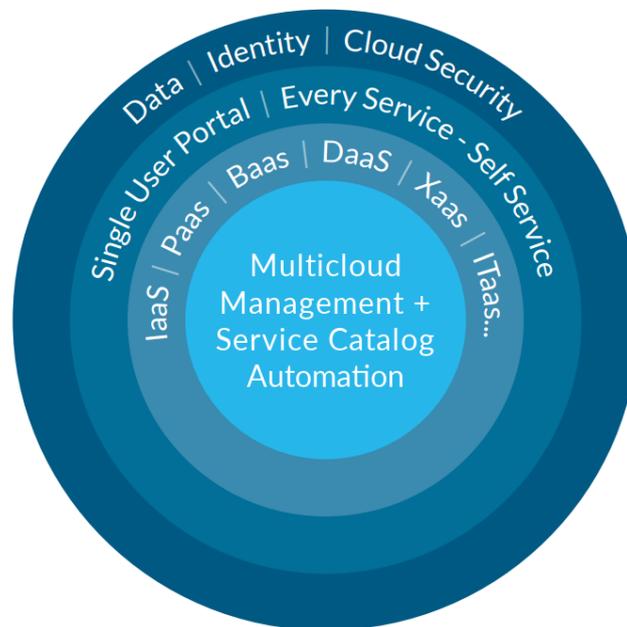


Metsi offers Containers as a Service (CaaS) solutions that provide a powerful foundation for rapid application deployment in hybrid multicloud environments. CaaS enables application teams to modify and build new application templates in line with their own development and deployment lifecycles, and for application and DevOps teams to consume a common set of infrastructure services. In addition, Metsi offers CaaS solutions on platform agnostic, secure, software-defined networking for a single end-to-end operational model across private and public infrastructures.

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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