An IDC Infographic Sponsored By: Google Cloud and HPE



Source: IDC Multicloud Management Survey, March 2019. N = 200 U.S.-based enterprise I&O decision makers using multiple infrastructure clouds

What Fuels Cloud Adoption for Production-Grade Workloads?





of applications developed on public clouds are deployed elsewhere of applications developed on public clouds and hosted private clouds as well as traditional datacenters

Source: IDC, PaaSView and the Developer, June 2019. N = 2,500

Growing Use of Containers Increases Multicloud Management Complexity

Containers increase the rate of change and drive demand for highly scalable multicloud infrastructure

New applications are rapidly becoming containerized:



Source: IDC Multicloud Management Survey, March 2019. N = 200 U.S.-based enterprise I&O decision makers using multiple infrastructure clouds

Enterprise Architectures Will Become Highly Distributed, Agile, and Hybrid by 2023

By 2022, the acceleration of legacy app modernization and **355%** net-new development will lead to



of production apps being cloud native

- utilizing microservices, containers, and dynamic orchestration

Source: IDC FutureScape: Worldwide Developer and DevOps 2020 Predictions, October 2019



of firms will be beyond piloting AI/ML as part of application development



of new enterprise IT infrastructure deployed will be at the edge rather than corporate datacenters



of enterprise applications will be deployed in a containerized hybrid cloud/multicloud environment



of organizations will release code to production daily for select applications

Sources: IDC FutureScape: Worldwide Cloud 2020 Predictions, October 2019; IDC FutureScape: Worldwide IT Industry 2020 Predictions, October 2019;

Consistent, Multicloud Container Management Is Needed

of enterprises will deploy unified VMs, Kubernetes, and multicloud management processes to support

robust multicloud management and governance across on-premises and public clouds by 2022

Source: IDC FutureScape: Worldwide Developer and DevOps 2020 Predictions, October 2019

Priorities for IT Operations





Optimizing container runtime costs across multiple clouds

Priorities for Developers



Integration of CI/CD tool chains and microservices management

↔ᢕ+ Infrastructure 39%

Managing cost and life cycle of container infrastructure

Monitoring 1%

Deploying and updating monitoring agents across development tool chains



Images %

Consistent management of container images and registries

Source: IDC Containers and Cloud Management Survey, May 2019. N = 189 enterprise IT decision makers representing U.S. organizations with \$1+ billion annual revenues

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