Mesos adoption growing with influx of new users

Mesos adoption grew significantly in 2015 and is expected to continue its growth in 2016. More than 2,000 organizations are now using Mesos, and the number continues to grow at a rate of over 300/month. Of the organizations surveyed, 22% reported running containers in production, a rate much higher than the broader industry; for instance, a recent survey of over 55,000 IT leaders found only 11% of respondents reported containers in production.

While webscale is common, most users start small

Mesos is deployed across clouds and datacenters

Mesos is deployed from the world's largest cloud providers to the smallest datacenter. Mesos runs on-premises and in a variety of clouds.

While most users are running on-premises (bare metal, or virtualized infrastructure), the majority of survey respondents are running containers in the public cloud. Over 23% of respondents were using Mesos in the public cloud or a hybrid cloud, while 76% were using Mesos on-premises. Among public cloud providers, Amazon Web Services was the most common, with over 60% of respondents using Mesos in AWS. Microsoft Azure and Google Cloud Platform follow, with just under 30% of respondents using Mesos in each of those clouds.

DC/OS gains strong traction

DC/OS was open sourced in April 2016 with a community of over 87 partners, and has shown incredibly strong traction since. Over a quarter of all respondents reported they either used DC/OS in production or were deploying it with the intent to use in production.

DC/OS is deployed across clouds and datacenters

DC/OS meets the needs of its users with its comprehensive suite of modern features, including container orchestration, analytics, and CI/CD. DC/OS is used by leading Fortune 100 companies like Verizon, Autodesk, Time Warner, and many others for Docker container orchestration at scale, elastic data infrastructure, and CI/CD.

Mesos driving the transition to modern apps

Mesos supports different types of workloads required to build modern applications. The majority of respondents are running clusters with fewer than 100 nodes. However, as familiarity with Mesos grows, so does cluster size. The average user runs 6.3 nodes on Mesos.

Container orchestration and big data key drivers of use

Mesos is used for container orchestration and big data, with 60% of respondents reporting use of big data frameworks. The most common framework on Mesos is Marathon, the container orchestration platform.

DC/OS enabling Mesos adoption

Within the 100+ companies that surveyed their Mesos adoption, 96% of respondents reported they would not have adopted Mesos without DC/OS. DC/OS makes it easy to use Mesos, and 75% of respondents reported they plan to move all of their infrastructure to Mesos, with 63% planning to move in the next 2 years. DC/OS is the most commonly used platform for running Mesos.

DC/OS gaining strong traction

DC/OS adoption is also strong compared to competing container-orchestration technologies, such as Kubernetes and Docker Swarm.

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