

ENTERPRISE CONTAINER PLATFORMS

MARKET LANDSCAPE REPORT

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GIGAOM



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INTRODUCTION

The rise of containers and microservices gave birth to a new breed of workloads called cloud native applications. These “born in the cloud” apps take advantage of the inherent capabilities of cloud infrastructure such as elasticity, programmability, resiliency, and availability.

This Container Management Tools research report is designed to enable enterprise decision makers in selecting the right technology partner for their container platform requirements. It introduces the importance of enterprise container platforms for building and running modern applications, and evaluates significant players in the category.

The cloud native technology stack is classified into core infrastructure, operations, and management tools. The foundation for core infrastructure is based on container runtime, orchestration engine, cloud native storage, and networking layers. The operations and management tools enable developers and operators to manage the lifecycle of cloud native apps. They deliver essential building blocks such as logging and monitoring, security, integration, and deployment tools along with development environments.

At the heart of the cloud native technology stack are the container platforms that provide a container-based development environment with container runtime, orchestration, integration, security, and management capabilities designed to scalable clusters deployed either on-premises or public cloud.

The scope of the report doesn't include hosted container platforms that are exclusively managed by cloud vendors. The key criterion for including a vendor is the ability to deploy the software platform in both enterprise datacenter and public cloud IaaS platforms.

REPORT TOPICS

- The rise of cloud native computing
- Why choose an enterprise container platform
- The big picture of enterprise container platform
- The key players of the ecosystem
- Vendor profiles

ARE YOU PREPARED?

- Why should you adopt an enterprise container platform?
- What are the available choices in the market?
- What is the maturity of the operations management tools?
- How secure is the enterprise container platform?
- How does the platform address application lifecycle management?
- Does the platform integrate with existing legacy applications and 3rd party apps?
- What is the product roadmap?



ANALYST JANAKIRAM MSV

Janakiram is a practicing architect, analyst and advisor with a focus on emerging infrastructure technologies. He provides strategic advisory to technology platform companies, startups, ISVs, and enterprises. As a practitioner working with a diverse enterprise customer base across the domains of AI, IoT, Cloud, Microservices, DevOps, and SaaS, Janakiram gains insight into the enterprise challenges, pitfalls, and opportunities involved in emerging technology adoption.

Janakiram is an Amazon and Microsoft certified cloud architect, as well as a Google Developer Expert and Microsoft Regional Director. He is an active contributor at Gigaom Research, Forbes, The New Stack, and TechRepublic.

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