

HASHICORP INFRASTRUCTURE CLOUD

STEVE MCDOWELL, CHIEF ANALYST
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CONTEXT

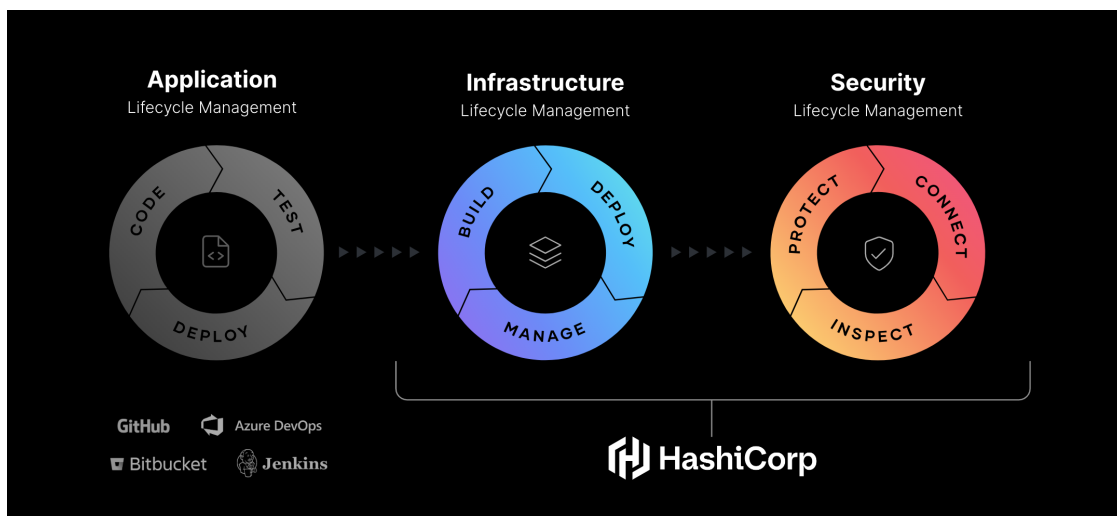
HashiCorp introduced "The Infrastructure Cloud" to aid organizations in maximizing their cloud investments, focusing on enabling teams to ship code quickly while minimizing costs and security risks.

This isn't a new product but a unified platform approach unified as part of the company's HashiCorp Cloud Platform, its SaaS platform for infrastructure and security lifecycle management.

Let's take a deeper look.

WHAT IS HASHICORP INFRASTRUCTURE CLOUD

The platform provides tools for infrastructure and security lifecycle management. It integrates various HashiCorp products under a single SaaS-based platform, the HashiCorp Cloud Platform (HCP), facilitating streamlined workflows and centralized control.



HashiCorp Infrastructure Cloud encompasses the following elements:

- **Unification of HashiCorp Products:** The platform combines products like Terraform, Packer, Waypoint, Nomad, Vault, Boundary, and Consul to cover a comprehensive range of infrastructure and security needs.
- **Application, Infrastructure, and Security Lifecycle Management:** It addresses all stages of the cloud application value chain, ensuring smooth transitions from development to deployment and security management.
 - **Application Lifecycle Management (ALM)** involves coding, testing, and deploying applications.
 - **Infrastructure Lifecycle Management (ILM)** focuses on building, deploying, and managing infrastructure to run applications.
 - **Security Lifecycle Management (SLM)** entails managing security-related tasks like secrets, certificates, and access controls.
- **Benefits of the HashiCorp Cloud Platform:**
 - **Faster Onboarding:** Products can be operational in minutes, reducing setup time.
 - **Cross-Product Workflows:** With all products on the same platform, data sharing and workflows are streamlined.
 - **High Availability and Scalability:** The platform is designed for high availability and can scale according to demand.
 - **Reduced Total Cost of Ownership (TCO):** The SaaS-based approach reduces operational costs and allows organizations to allocate resources more efficiently.
- **Focus on Day 1 to Day N Activities:** HashiCorp Infrastructure Cloud addresses ongoing management activities, such as infrastructure changes, security log inspection, and credential protection.
- **Integrated Security Solutions:** Products like HashiCorp's Vault, Boundary, and Consul provide robust security management, including secrets rotation, privileged access management, and secure communication.

ANALYSIS

HashiCorp's new Infrastructure Cloud is a natural evolution of HashiCorp's approach to infrastructure and security management. Its platform approach provides a suite of tools designed to streamline cloud resources' deployment, management, and security across various environments.



By consolidating all of its core products—Terraform, Vault, Packer, Nomad, Consul, Waypoint, and Boundary—into a single platform, HashiCorp leverages synergy among these tools, facilitating smoother workflow transitions and data sharing.

The shift towards a SaaS model reduces the burden of self-management and lowers the barrier to entry for businesses to adopt sophisticated infrastructure management tools. This also allows for quicker updates and feature rollouts.

HashiCorp's offering is well-positioned in the cloud infrastructure management market, particularly appealing to enterprises looking for robust, integrated solutions. Its emphasis on security and lifecycle management sets it apart from competitors who may offer piecemeal solutions. However, it competes directly with major cloud providers' native tools, which also evolve to provide greater integration and automation.

The HashiCorp Infrastructure Cloud is a powerful platform for organizations looking to manage their cloud environments efficiently. Its comprehensive approach to lifecycle management—from infrastructure to security—provides a strong foundation for businesses aiming to enhance their cloud operations. However, the potential complexities and dependencies created by such a platform should be carefully considered.

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