DELL EMC NATIVE HYBRID CLOUD
Turnkey Developer Ready Infrastructure

UP YOUR GAME IN THE DIGITAL ECONOMY
For years, digital start-ups and platform companies have been disrupting every industry and, in many cases, displacing established companies. These start-ups are taking over markets by engaging with their customers through software experiences and innovative business models. Enterprises want to take advantage of new technologies such as cloud-native development, and digital systems of engagement to better engage consumers. However, due to the technical debt and a lack of internal expertise, many are unable to invest in these new technologies and support modern applications. These customers are looking for proven solutions to help them embrace digital transformation while reducing their operational risk. Dell EMC can help.

At Dell EMC, our goal is to help our customers spend less time, money, and resources on those things which they have to do to keep the lights on, and start investing in what they want to do – such as faster innovation. Native Hybrid Cloud is a turnkey developer ready infrastructure for innovating faster through cloud-native applications, providing the best way to run Pivotal Cloud Foundry on-premises. It’s built on a foundation of industry leading hyper-converged infrastructure, Dell EMC VxRail. For enterprises looking to manage the platform and application availability on a global scale, Native Hybrid Cloud has built in business continuity capabilities to ensure applications and data are always available.

Full component lifecycle management and one contact support helps reduce your operational risk. It’s time to up your game and Dell EMC offers the ideal path to get there. Native Hybrid Cloud eliminates the time, cost and complexity of building and maintaining your own platform while navigating the cultural shift to DevOps.

CLOUD-NATIVE APPLICATIONS AT THE SPEED OF BUSINESS
Dell Technologies is uniquely positioned to deliver a holistic and market leading solution, bringing together the best technologies and expertise from Pivotal, VMware, and Dell EMC. Built on open-source Cloud Foundry that is backed by more than 40 members of the Cloud Foundry Foundation, Native Hybrid Cloud provides a reliable, growing platform for developers to build applications for rapid deployment and scaling within a cloud-native environment.

Dell EMC offers a managed off-premise deployment of Pivotal Cloud Foundry with Virtustream, as well as provisioning to other public cloud environments—including Amazon Web Services, Microsoft Azure, and Google Compute Engine. This allows you to integrate Native Hybrid Cloud into a comprehensive cloud strategy that leverages the multi-cloud portability of Pivotal Cloud Foundry.
Innovate Faster

While 72%\(^1\) of executives confess they are not innovating enough, Native Hybrid Cloud fundamentally transforms application development for the software-driven businesses. It dramatically accelerates the development-to-deployment process in a cloud-native environment, enabling business to innovate faster and bring differentiated value to market ahead of the competition.

With a complete cloud-native platform, you gain the agility to pursue new business opportunities as they emerge, without the constraints of traditional infrastructure. Instead of taking weeks or months, Native Hybrid Cloud enables you to deliver cloud-native applications in just days or hours, consistently and reliably at scale - 77%\(^2\) faster than traditional methods.

Empower Developers with Self-Service

Native Hybrid Cloud empowers developers with an “It Just Works” experience, freeing them from dependence on IT intervention with a self-service portal for building and deploying new applications. This streamlines development workflows, boosts productivity, and speeds new applications to market. The key is a flexible approach called “buildpacks.”

Buildpacks allows developers to write applications in any language, working with the tools they are familiar with, allowing them to simply push their applications to Pivotal Cloud Foundry for automatic cloud readiness. There’s no need to specify how to run the applications or deal with operability issues. Developers can also scale applications with a single command or add enhancements practically on the fly.

Designed to help companies be more productive from day one, Native Hybrid Cloud includes a Workbench of tools for developers and IT operators. The Workbench allows developer to quickly diagnose and correct external dependencies before they go into production. It contains tools to help further automate the CI/CD pipeline in high availability deployments, allowing operators to manage application updates and configurations across all endpoints simply.

Accelerate IT

As many as 82%\(^3\) of executives believe that enabling real time decisions and operations is a critical role of IT. That is why Native Hybrid Cloud was designed to enable IT organizations to quickly deliver a turnkey Pivotal Cloud Foundry developer platform for the fastest path to digital transformation without the time or complexity associated with developing an in-house solution. By working with Dell EMC, you have the confidence that comes from a trusted solution provider that understands the needs of enterprise IT organizations.

For organizations looking to manage their platform and applications on a global scale, Native Hybrid Cloud delivers high availability options with multi-site, multi-foundation and multi-availability zone deployments for delivering maximum uptime, geographic coverage and resiliency for your applications. Integrating Dell EMC Elastic Cloud Storage secures your Native Hybrid Cloud platform by supporting data-at-rest encryption for an additional level of security. Its automatic geo-replication capabilities enable disaster recovery of your applications (Pivotal Elastic Runtime Blobstore) by ensuring no single point of failure.

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\(^1\) Embracing a Digital Future: Vanson Bourne researching findings & benchmark methodology
\(^2\) ESG Lab Validation Study, February 2017
\(^3\) ESG Lab Validation Study, February 2017
Pivotal Cloud Foundry continuously releases patches and upgrades to keep the platform secure and up-to-date from a security perspective. All minor updates can be deployed automatically without any downtime using Native Hybrid Cloud.

A Complete Cloud-Native Platform in Weeks

Together, Dell EMC and Pivotal offer a range of professional services to help you prepare, manage, and extend your cloud-native journey with Native Hybrid Cloud. Services can extend the platform to meet your unique business requirements, as well as manage a successful transition for your organization and provide expert guidance to ensure ongoing operational success.

Native Hybrid Cloud can be deployed in weeks. That’s because Dell EMC has done the hard work of designing, integrating, testing and hardening so that you do not have to. Plus, Native Hybrid Cloud includes a roadmap of new capabilities planned for each release cycle. In this way, your cloud-native development platform is constantly evolving to meet changing developer requirements and every release is fully tested by Dell EMC to ensure consistent, reliable functionality end to end. Dell EMC Services can help keep your cloud-native environment up to date.

Take the Next Step

Contact your Dell EMC sales representative to learn more about Native Hybrid Cloud and how it can benefit your organization for developing and deploying cloud-native applications to achieve your business objectives in the fastest time possible.

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