Accelerating application delivery in the cloud

Automation is the key to doing more and doing it faster with Dell™ Cloud Manager

People expect low-latency, on-demand delivery. Traditional application delivery processes were based on a step-by-step timeline that often could take days to implement. But with cloud computing, developers are expected to be able to deliver applications in near real time. Today, by leveraging self-service provisioning, configuration management tools, service catalogs and automation capabilities, application delivery that used to take days or even weeks can be accomplished in hours — or minutes. Dell Cloud Manager’s automation capabilities allow you to quickly and easily orchestrate applications across clouds using the tools of your choice.

Focus on the code

As a developer, coding should be your first priority. Operating systems, databases, firewalls, routers, vLANs, IP addresses and other network functions should be someone else’s responsibility. Dell Cloud Manager allows you to quickly deploy and manage applications across one or more clouds with the scalability required to optimize application performance — without worrying about the platform.

No wait for provisioning

One of the key benefits of Dell Cloud Manager is the ability to provision resources at the click of a button. No more waiting around for IT to fulfill a provisioning request. When you need a test environment, you can spin it up yourself. Coupled with a custom service catalog of pre-approved blueprints, as well as automation capabilities to quickly deploy virtual machines, pre-configured software stacks and complete applications, this can accelerate the application delivery process by hours, days or even weeks.

Benefits:

• Quickly deploy and manage applications across clouds
• Provision resources and spin up test environments without an IT request
• Define application deployment architectures quickly and intuitively
• Create a custom service catalog of pre-approved blueprints for quick launching of application stacks
• Use pre-existing configuration scripts with our seamless integration with tools like Chef and Puppet

Key features:

• Self-service provisioning
• Service catalog
• Flexibility and scalability
• Configuration management
• Application auto-scaling and auto-healing
• Support for multiple clouds, cloud platforms and tools

Figure 1. Custom catalog of application stacks and services.
Dell™ Cloud Manager offers a single-pane-of-glass interface that delivers valuable extra capabilities over most cloud provider consoles, including the ability to manage applications across any of your clouds.

More information
To learn more about the Dell Cloud Manager solution, visit www.enstratius.com.

Easily deploy and scale applications
Define application deployment architectures — including parameters for auto-scaling and auto-healing — then let Dell Cloud Manager handle deployment to the cloud(s) of your choice. Our TOSCA-based blueprints allow customers to define entire technology stacks, including interdependencies and the underlying infrastructure to be used upon deployment. Custom catalogs of these approved applications, stacks and services streamline provisioning and eliminate the need for workflow approval. Software-as-a-service (SaaS) customers can also take advantage of the Dell Cloud Marketplace, Dell’s curated catalog of public clouds, servers, applications and Docker containers.

Enable continuous deployment
With a continuous delivery model, code is delivered to a test environment and automated testing is conducted to ensure that everything functions properly. Then, once all these tests are passed, the code is deployed to production. Continuous delivery is a step along the path to continuous deployment, where every change that passes your automated tests is automatically deployed to production. In both cases, automation is the linchpin. Cloud Manager enables self-service, real-time provisioning of development and test environments, so you can choose the right cloud(s) to meet your needs and accelerate your delivery process.

About Dell Software
Dell Software helps customers unlock greater potential through the power of technology — delivering scalable, affordable and simple-to-use solutions that simplify IT and mitigate risk. This software, when combined with Dell hardware and services, drives unmatched efficiency and productivity to accelerate business results. www.dellsoftware.com.

Figure 2. Dell Cloud Manager integrates with Chef and Puppet for ease of configuration management.