Enterprise governance and automation for Amazon® Web Services and hybrid clouds with Dell™ Cloud Manager

If you’re using cloud solutions like Amazon® Web Services (AWS) to increase operational agility and reduce costs, you need a fast and easy way to increase security, improve governance and simplify hybrid cloud management.

Take control of your private and public clouds with our enterprise cloud management software — Dell™ Cloud Manager. You’ll easily be able to manage the consumption of cloud services and orchestrate application lifecycles with greater security, governance, agility and reliability. This powerful solution allows you to take full advantage of all the benefits AWS offers, plus easily add and control additional public and private clouds.

With Cloud Manager, you can:
• Meet security policies with ease by using granular access controls
• Reduce operational expenditures
• Simplify and automate management tasks
• Leverage your existing configuration management tools
• Manage multi-cloud and hybrid cloud environments
• Use robust controls to simplify governance and achieve compliance
Take full advantage of all the benefits AWS offers, plus easily add and control additional public and private clouds with Cloud Manager.

**Ensure only the right people get the right information**
With Cloud Manager, you gain the ability to create an unlimited number of roles, users, and groups, and you can manage these across all your AWS accounts as well as with other clouds. Integration with LDAP and/or Active Directory allows you to extend your existing directories into the cloud. The integrated IAM feature in Cloud Manager allows an administrator user of an account to securely control access to the cloud console, API services, and resources for users in that particular account. Key management is also built into Cloud Manager: When you use Cloud Manager to manage your AWS accounts, all keys are stored outside the cloud.

**Control and reduce costs**
The ability to track and monitor spending by department, project or group helps keep enterprise spending under control. By adding quotas and budget caps, limits can be enforced, preventing people from launching additional servers if over budget. This becomes an effective method of controlling budgets and preventing sprawl. Cloud Manager also provides AWS idle server reports, showing where you may be able to terminate idle instances to save on resources and costs.

**Automation for IT independence**
True elasticity and scalability require automated functionality. Cloud Manager provides the ability to set up parameters, images, deployments and backups in advance, saving time and effort both for IT and business users.

---

![Figure 1. Role-based access controls allow you to meet security policies.](image)

![Figure 2. Budget codes allow you to track and limit spending across your clouds and warn users when limits are reached.](image)
You can easily self-provision servers and images or full application stacks that have been created and preapproved by IT. Cloud Manager also offers API integration with the tools that make sense for your organization, including monitoring, billing, and configuration management solutions. This solution expands on AWS CloudFormation, with the ability to automate applications based on application triggers on AWS, as well as across more than twenty other private and public clouds.

Using Cloud Manager with AWS enables you to auto-scale applications within one region, across regions, or even burst from one cloud to another.

Using Cloud Manager with AWS enables you to auto-scale applications within one region, across regions, or even burst from one cloud to another.

Integration with configuration management tools
Cloud Manager enables you to orchestrate and extend automated deployments across AWS or hybrid cloud environments, using the configuration management tools you already have in place. Not only do configuration management solutions, such as Opscode Chef or PuppetLabs’ Puppet, enable you to do this, but they can also help reduce configuration drift and help with change management: predetermined images, scripts, and recipes can be created and approved for launch and deployment by the right users within the right environments. This eliminates the need for approval and action from IT for each step of each process.

Manage large-scale AWS deployments, plus multi-cloud and hybrid cloud environments
Within any enterprise organization, there will be more than just one AWS account. The larger the organization, the more likely it is that there will be both AWS and a private cloud, the latter often installed on-premises. Cloud Manager provides a unified management solution across all leading public and private cloud platforms, allowing you to easily manage all your accounts through a single console.

Figure 3. Cloud Manager connects to AWS and more than 20 other public and private clouds through the Dasein Cloud abstraction layer. You can also leverage existing configuration management and operations tools through integration with the Cloud Manager REST-based API. Cloud Manager can be deployed as a SaaS solution or installed on-premises at a client or hosting facility.
With Cloud Manager, you can:

- Manage multiple AWS accounts through a single intuitive interface
- Simplify management of hybrid clouds
- Automate applications across clouds
- Centralize tracking and reporting across multiple accounts/clouds

Cloud Manager enables you to orchestrate and extend automated deployments across public, private, or hybrid cloud environments, using the tools you already have in place.

Log activities across multiple accounts and/or clouds

Logging is essential for compliance with many regulations. In the event of an audit, your organization needs to be able to prove they have the records showing what events transpired, who performed what actions, and who had access to the system in the first place. Cloud Manager can act as a secure conduit between your cloud resources and your extant log consolidation servers, whether for just a single AWS account, multiple accounts, or even multiple clouds. Cloud Manager delivers unified reporting and generates automatic alerts via email, SMS or API calls to another alerting platform.

Questions?
Send us an email at contact@enstratius.com

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