

EBS Optimizer: Automating AWS Cloud Storage Optimization

Reduce your cloud storage cost by over 50% by completely and transparently automating the cloud management process

Public clouds are transforming the way businesses deploy business applications, making cost management of cloud infrastructure a major challenge.

FittedCloud EBS Optimizer automatically and transparently manages Amazon EBS storage resulting in organizations only paying for the storage capacity or performance used by the applications. For EBS, AWS charges for provisioned capacity and not for usage. With EBS Motion, potential cost savings can be calculated across all supported resources in the FittedCloud Dashboard.

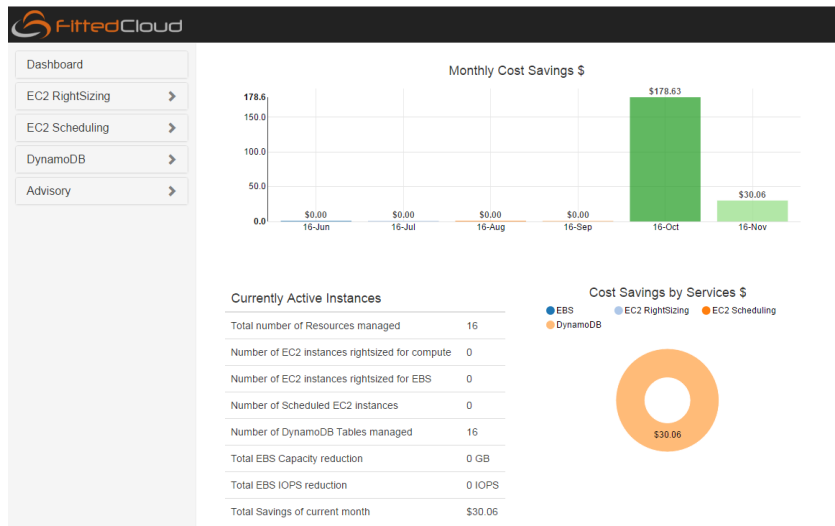
The use of FittedCloud EBS Optimizer therefore results in a substantial savings in storage infrastructure cost. For example, if an organization provisions 1TB of EBS volume, and use only 100GB of it, they are still charged by AWS for 1TB capacity. If you provision an IOPS (IO1) volume capable of 5,000 IOPS and only use 1,000 IOPS, you are still charged for 5,000 IOPS.

FittedCloud EBS Optimizer monitors your environment and automatically and transparently matches provisioning with utilization. All you need to do is to install the software, the software takes care of the rest!

BENEFITS

- Automated capacity provisioning (GP2, SC1) - Scale up and down.
- Automated Performance Provisioning (IO1) - Scale up and down.
- Potential cost savings across all supported resources in the Fitted Cloud Dashboard with EBS Motion
- Support for Magnetic (Standard), SC1, ST1
- EBS cross type optimization (E.g. GP2->Magnetic/SC1/ST1, IO1->GP2,...)
- Web GUI support for creating thin provisioned EBS volumes
- Simple non-disruptive/real time installation - No need to stop applications.
- Real-time reports on utilization for management, compliance, cost savings analysis.
- Support for existing environments- No application, file system, or configuration changes necessary.
- Support for new environments – Allows creation of thin provisioned disks. Grow your storage volumes completely on demand.
- Support for Amazon Linux, CentOS, and Ubuntu.





Fitted Cloud EBS Optimizer

FittedCloud EBS Optimizer is a dynamic compute and storage resource provisioning and optimization software for public clouds based on patent pending technology. FittedCloud constantly monitors resource utilization of customer environments and adjusts resource provisioning to match application utilization. Resource resizing is done in a such way that there is no or minimal impact to customer applications. It's architecture is comprised of four key components:

Information Collector

FittedCloud Information Collector constantly monitors customer environments and collects utilization information for managed resources, which is then stored in a database.

Decision Engine

FittedCloud Decision Engine uses multiple algorithms to make optimization decisions based on the information collected. Machine learning algorithms are used to predict resource utilization based on past usage. In some cases decisions are also made based on real time information.

Optimization Agents

Decisions made by decision engines are executed by resource specific agents. Agents perform executions in a completely transparent manner wherever applicable. For EBS rightsizing agents need to be installed on customer instances. In some cases, customers are required to confirm optimization actions before executing decisions. Agents also ensure that resource utilization is monitored constantly and any further adjustments (up/down) are performed as needed.

Reporting Tools

Reporting tools create reports on utilization and cost savings across configurable timeframes.

FittedCloud solutions can be deployed in two ways. In a SaaS/Hosted model, the servers comprised of the decision engine, information collectors and reporting tools are hosted and managed by FittedCloud. In the Enterprise model all the components run inside customer's environment. Both versions are identical from technology and product feature/functionality perspective and are extremely secure and vetted.

About FittedCloud

FittedCloud was founded with a vision to help customers realize the true potential of cloud – a truly elastic platform. FittedCloud Dynamic Cloud Optimization solutions help customers reduce their public cloud infrastructure costs significantly by ensuring that resource provisioning matches application utilization. FittedCloud solutions achieve this transparently, automatically and without any user intervention or application disruption. For additional information please visit fittedcloud.com.