

## DynamoDB Optimizer: Automating AWS DynamoDB Optimization

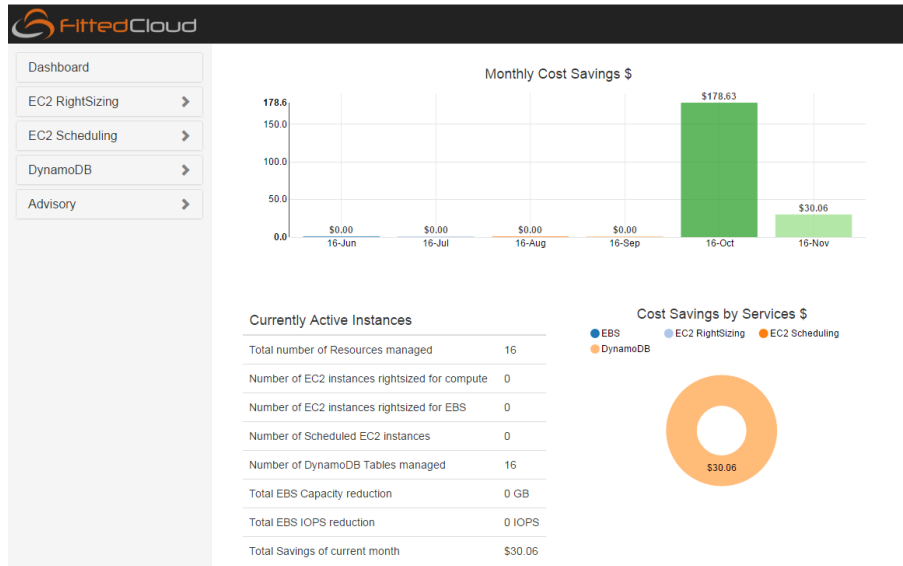
**Reduce your Amazon DynamoDB cost by over 50% by completely and transparently automating the optimization process**

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

FittedCloud DynamoDB dynamic resource optimization solution uses machine learning algorithms to learn application usage of Amazon DynamoDB tables from its past usage patterns. It marries that intelligence with automated actions to optimize Amazon DynamoDB provisioning. The result is fully automated, optimum Amazon DynamoDB capacity provisioning driven by machine learning algorithms. For simple and smaller installations, optimization can be done in scheduled user specified time windows. For larger and more complex installations, machine learned optimization is recommended.

### SOLUTION BENEFITS

- Both machine learning or user specified schedule based optimization
- Capacity adjustments based on CloudWatch alerts of excessive capacity utilization
- Completely “lights out” operation
- Dynamic configuration
- Visualization of provisioned, consumed, predicted capacity per table
- Dashboard and reports for easy visualization of cost savings



## Innovative Automated Amazon DynamoDB Optimization

FittedCloud DynamoDB Optimizer is a dynamic database 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 database utilization. Resource resizing is done in a such way that there is no or minimal impact to database performance.

The architecture of FittedCloud DynamoDB is comprised of three 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.

### Reporting Tools

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

FittedCloud solutions can be deployed in two configurations. 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](http://fittedcloud.com).