# **■** NetApp

# **Compute documentation**

Compute

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# **Compute documentation**

### What's new

Learn what's new with the Compute service.

### 7 Dec 2020

### **Navigation between Cloud Manager and Spot**

It's now easier to navigate between Cloud Manager and Spot.

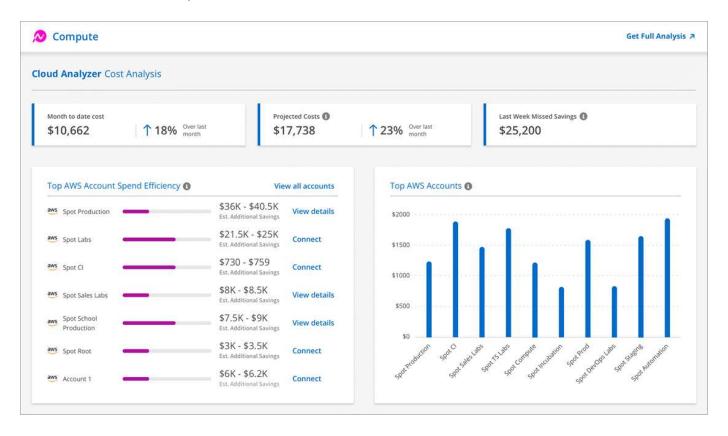
A new **Storage Operations** section in Spot enables you to navigate directly to Cloud Manager. After you're done, you can get back to Spot from the **Compute** tab in Cloud Manager.

### 18 Oct 2020

#### **Introducing the Compute service**

By leveraging Spot's Cloud Analyzer, Cloud Manager can now provide a high-level cost analysis of your cloud compute spending and identify potential savings. This information is available from the **Compute** service in Cloud Manager.

Learn more about the Compute service.



## **Get started**

### Learn about the Compute service

By leveraging Spot's Cloud Analyzer service, Cloud Manager can provide a high-level cost analysis of your cloud compute spending and identify potential savings.

Cloud Analyzer is a cloud infrastructure management solution that uses advanced analytics to provide visibility and insights into your cloud costs. It shows you where you can optimize those costs and lets you implement that optimization using Spot's portfolio of continuous optimization products in just a few clicks.

#### **Features**

- A cost analysis that shows current cost for the month, projected monthly costs, and missed savings
- A view of spend efficiency by account, including the estimated additional savings
- · A link to Spot's Cloud Analyzer for more in-depth details about the spending for all accounts

#### Supported cloud providers

This service is supported with AWS.

#### Cost

There's no cost to use this service through Cloud Manager.

### **How Cloud Analyzer works with Cloud Manager**

At a high-level, Cloud Analyzer integration with Cloud Manager works like this:

- 1. You click Compute and connect your AWS management account.
- NetApp configures your environment as follows:
  - a. Creates an organization in the Spot platform.
  - b. Sends an email welcoming you to Spot.

You can log in to the Spot service using the same single-sign on credentials that you use with Cloud Central and Cloud Manager.

- c. Cloud Analyzer starts processing your AWS account data.
- 3. In Cloud Manager, the Compute page refreshes and you use the information to gain insights on past, current, and future cloud costs.
- 4. You click **Get Full Analysis** at any time to go to Spot's Cloud Analyzer, which provides a full analysis of your cloud spend and savings opportunities.

### **Data security**

Cloud Analyzer data is encrypted at rest and no credentials are stored for any account.

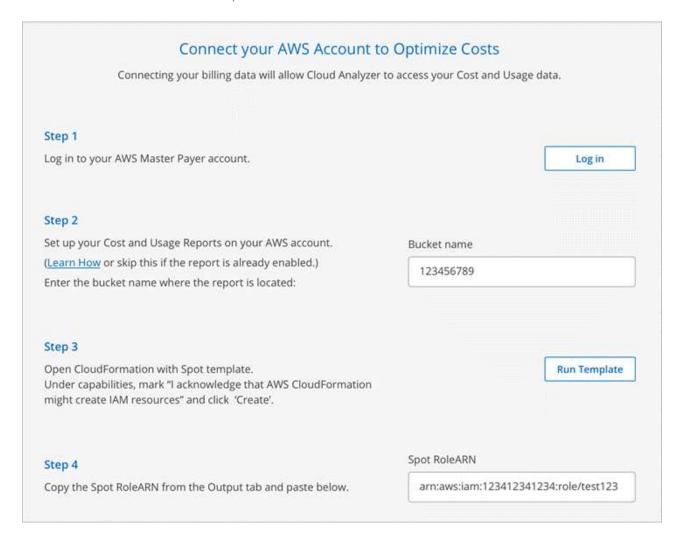
### **Connect Cloud Analyzer to your AWS account**

Connect Cloud Analyzer to your AWS payer account so that you can start optimizing your cloud compute costs.

#### **Steps**

- 1. Click Compute.
- 2. Click Add AWS Credentials to Start.
- 3. Follow the steps on the page to connect your AWS account:
  - a. Log in to your AWS management account.
  - b. Set up cost and usage reports on the AWS account.
  - c. Run the CloudFormation template.
  - d. Paste the Spot RoleARN.

View more details about these steps.



#### Result

Cloud Analyzer starts processing your AWS account data. If you have multiple accounts, Cloud Analyzer starts with read-only capabilities for all linked accounts under the management account. If you want to get more details about the potential savings for those accounts, then you'll need to connect them, as well. You can find

more details about connecting accounts when you analyze your compute costs.		

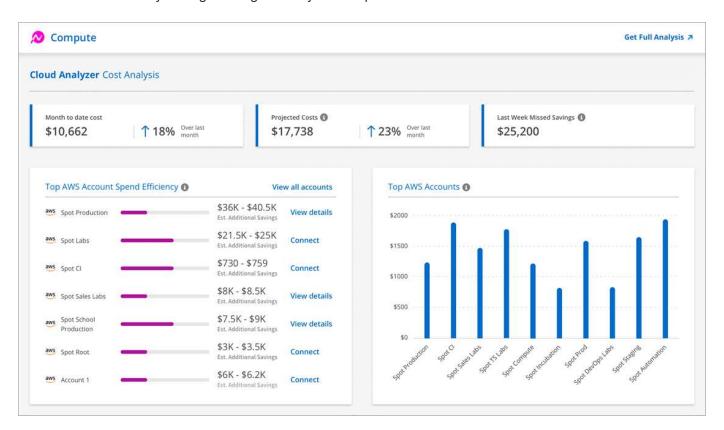
# **Analyze your compute costs**

After you connect your account, view an analysis of your cloud compute costs to get insights into past, current, and future cloud costs.

### View a cost analysis

#### **Steps**

- 1. Click Compute.
- 2. View the cost analysis to gain insights into your compute costs.



#### Month to date cost

The total cost of your workloads from the beginning of the current month to present.

#### **Projected Costs**

The forecasted cost at the end of the month based on analysis of your usage pattern.

#### **Last Week Missed Savings**

Savings that could have been achieved in the previous seven days using optimization of spot instances and reservations.

#### **Top AWS Account Spend Efficiency**

The top 10 accounts according to the greatest amount of estimated additional savings.

Each account is assigned an efficiency score based on current and additional potential savings. The estimated additional savings indicates how much can be further saved by leveraging the use of spot and reserved instances.

You can take the following actions to further optimize your accounts:

- View details: View your cost optimization opportunities by going to Spot's Cloud Analyzer.
- **Connect**: Connect an account that is not yet managed. You will be directed to the wizard that connects the account.

#### **Top AWS Accounts**

This is a bar graph showing your top ten accounts by cost. The graph is based on the last 30 days of spend activity.

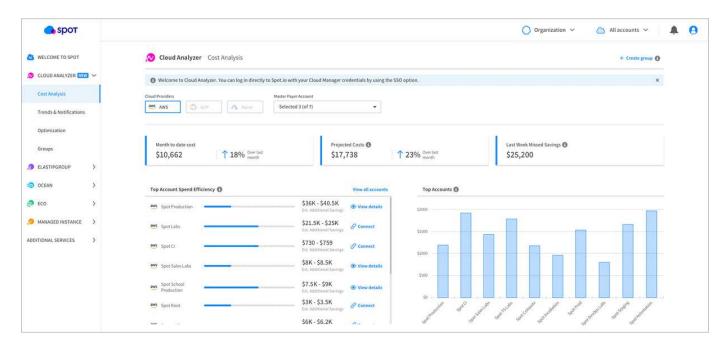
Learn more about the Cost Analysis page that's available in Spot's Cloud Analyzer.

# Get a full analysis

Go to Cloud Analyzer for more analysis and recommendations.

Click **Get Full Analysis** at any time to access more charts and analysis, in-depth recommendations, a use case optimization breakdown (containers, ElasticApps, and reservations), and more.

Here's an example of what you'll see in Cloud Analyzer:



- View the product page for Cloud Analyzer to learn more about its capabilities
- View the documentation for Spot to get help using Cloud Analyzer

# Knowledge and support

## Register for support

Before you can open a support case with NetApp technical support, you need to add a NetApp Support Site account to Cloud Manager and then register for support.

#### Add an NSS account

The Support Dashboard enables you to add and manage all of your NetApp Support Site accounts from a single location.

#### **Steps**

- 1. If you don't have a NetApp Support Site account yet, register for one.
- 2. In the upper right of the Cloud Manager console, click the Help icon, and select Support.

[A screenshot of the Help menu where Support is the first option listed]

- 3. Click NSS Management > Add NSS Account.
- 4. When you're prompted, click **Continue** to be redirected to a Microsoft login page.

NetApp uses Microsoft Azure Active Directory as the identity provider for authentication services specific to support and licensing.

5. At the login page, provide your NetApp Support Site registered email address and password to perform the authentication process.

This action enables Cloud Manager to use your NSS account.

Note the following requirements for the account:

- The account must be a customer-level account (not a guest or temp account).
- If you plan to deploy a node-based BYOL system:
  - The account must be authorized to access the serial numbers of the BYOL systems.
  - If you purchased a secure BYOL subscription, then a secure NSS account is required.

### Register your account for support

Support registration is available from Cloud Manager in the Support Dashboard.

#### **Steps**

In the upper right of the Cloud Manager console, click the Help icon, and select Support.

[A screenshot of the Help menu where Support is the first option listed]

- In the Resources tab, click Register for Support.
- Select the NSS credentials that you want to register and then click Register.

## Get help

NetApp provides support for Cloud Manager and its cloud services in a variety of ways. Extensive free self-support options are available 24x7, such as knowledgebase (KB) articles and a community forum. Your support registration includes remote technical support via web ticketing.

#### Self support

These options are available for free, 24 hours a day, 7 days a week:

Knowledge base

Search through the Cloud Manager knowledge base to find helpful articles to troubleshoot issues.

Communities

Join the Cloud Manager community to follow ongoing discussions or create new ones.

Documentation

The Cloud Manager documentation that you're currently viewing.

· Feedback email

We value your input. Submit feedback to help us improve Cloud Manager.

### NetApp support

In addition to the self-support options above, you can work with a NetApp Support Engineer to resolve any issues after you activate support.

#### **Steps**

- 1. In Cloud Manager, click **Help > Support**.
- 2. Choose one of the available options under Technical Support:
  - a. Click Call Us to find phone numbers for NetApp technical support.
  - b. Click Open an Issue, select one the options, and then click Send.

A NetApp representative will review your case and get back to you soon.

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Notice for Cloud Manager 3.9

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