



# Optimize cloud compute costs

## Cloud Manager

NetApp

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# Optimize cloud compute costs

## 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 master payer account.
2. 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.

## Start optimizing your cloud compute costs

Connect your AWS account and then view the analysis to start optimizing your cloud compute costs.

### Connect Cloud Analyzer to your AWS account

Click **Compute** and connect your AWS payer account.

#### *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 master payer 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.](#)

## Connect your AWS Account to Optimize Costs

Connecting your billing data will allow Cloud Analyzer to access your Cost and Usage data.

### Step 1

Log in to your AWS Master Payer account.

Log in

### Step 2

Set up your Cost and Usage Reports on your AWS account.

([Learn How](#) or skip this if the report is already enabled.)

Enter the bucket name where the report is located:

Bucket name

123456789

### Step 3

Open CloudFormation with Spot template.

Under capabilities, mark "I acknowledge that AWS CloudFormation might create IAM resources" and click 'Create'.

Run Template

### Step 4

Copy the Spot RoleARN from the Output tab and paste below.

Spot RoleARN

arn:aws:iam:123412341234:role/test123

### 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 master payer 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 that process in the section below.

## Analyze your compute costs

After Cloud Analyzer processes your account data, the Compute tab shows you insights on past, current, and future cloud 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

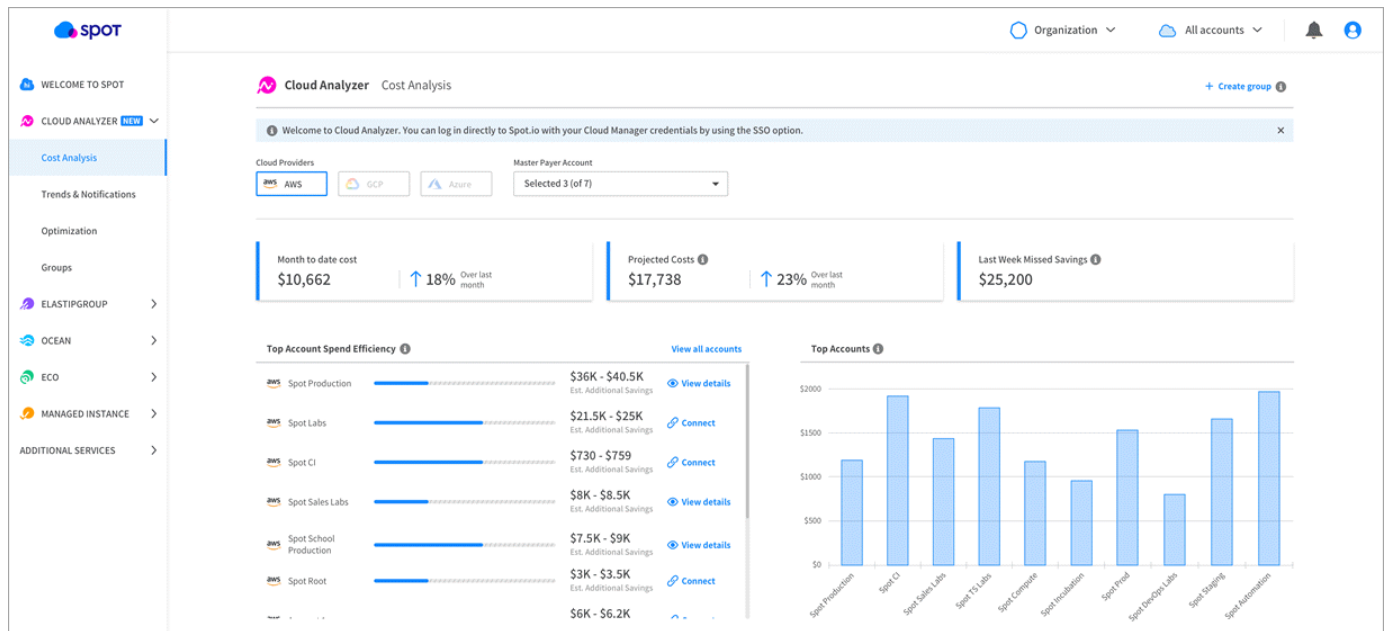
spend activity.

Learn more about the [Cost Analysis](#) page that's available in Spot's Cloud Analyzer.

## 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.

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