



Start optimizing your cloud compute costs

Cloud Manager

Ben Cammett, Tom Onacki
July 19, 2021

This PDF was generated from https://docs.netapp.com/us-en/occm/task_getting_started_compute.html on October 11, 2021. Always check docs.netapp.com for the latest.

Table of Contents

- Start optimizing your cloud compute costs. 1
 - Connect Cloud Analyzer to your AWS account 1
 - Analyze your compute costs 2
 - Go to Cloud Analyzer for more analysis and recommendations 3

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 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.](#)

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

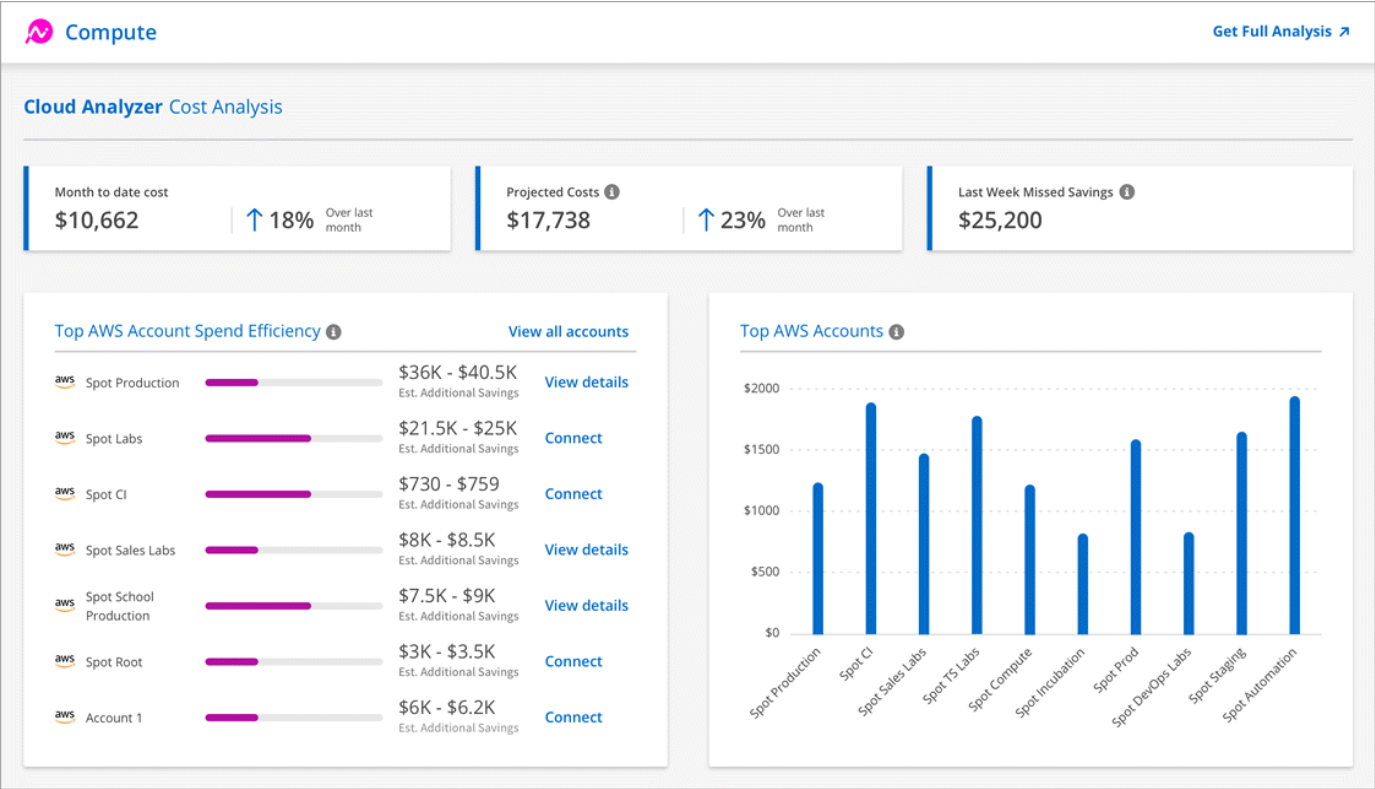
arn:aws:iam:123412341234:role/test123

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 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 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

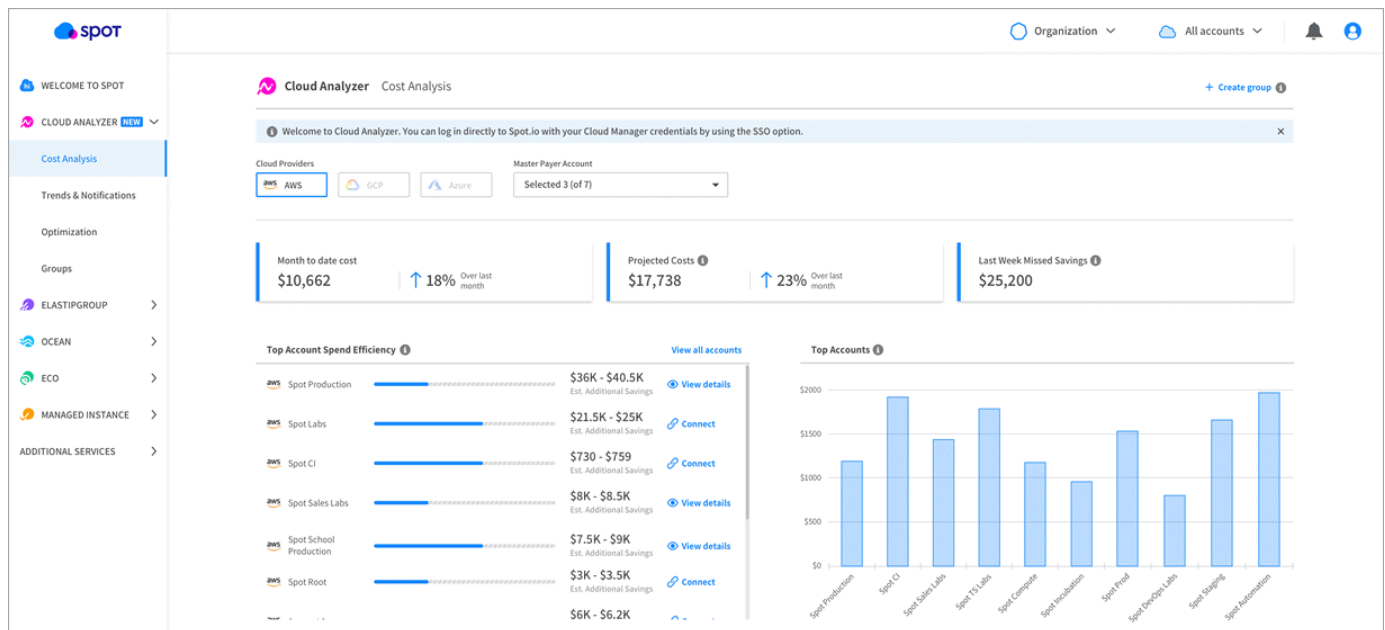
This is a bar graph showing your top ten accounts by cost. The graph is based on the last 30 days of spend activity.

[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.](#)

Copyright Information

Copyright © 2021 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system-without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.