



Overview

This customer document will serve as a guide for implementing the **Looker Cloud Cost Management** solution. There are three different implementation options available, each with increasing capabilities and optimization support. Each option has its own required work that needs to be done as a prerequisite for implementation (Data Migration & Storage, Custom Cost Center Mapping, etc.). The following will walk you through these requirements and options available to you.

Phase Overview

Unlocking value in phases



Phase 1

Consolidated reporting view of cloud spend across AWS, Azure & GCP.



Phase 2

Centralized storage and harmonization of billing data.

+ Mapping of services, resources & similar SKUs across clouds.



Phase 3

Forecasted spend and actions to trigger decision making.

+ Mapping of tags/labels & cost centers across clouds.

Installed in Looker Marketplace

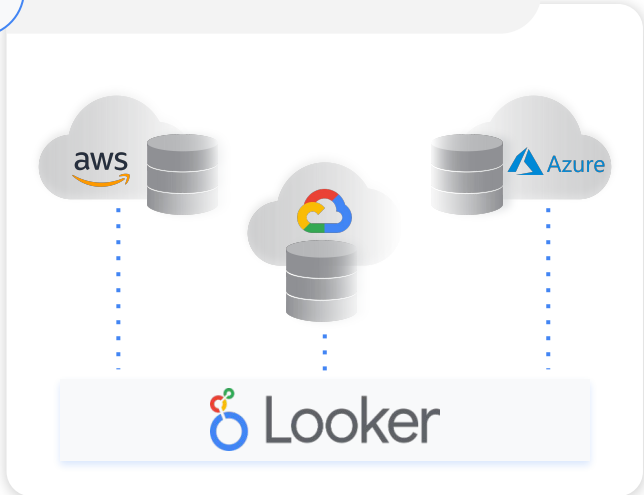
Each phase will include a [Looker Block](#) that can be downloaded via the [marketplace](#) in your Looker Instance. Please note that each block will require some customization and will not work without the respective prerequisites.



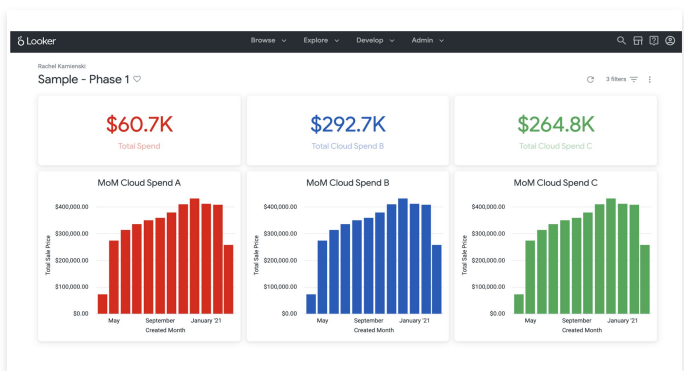


Phase Architecture

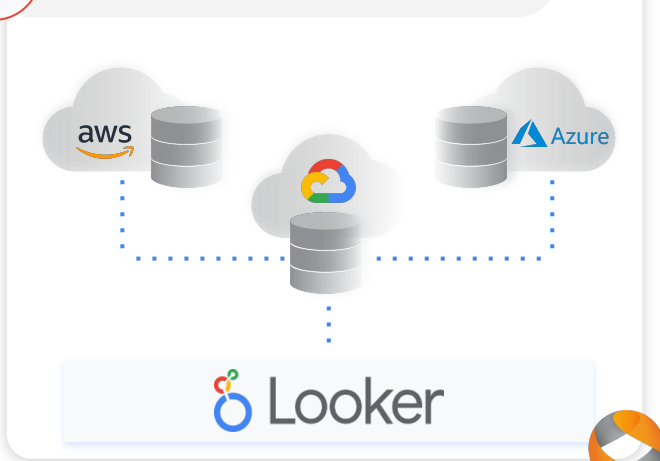
1 Phase 1: Data Siloed



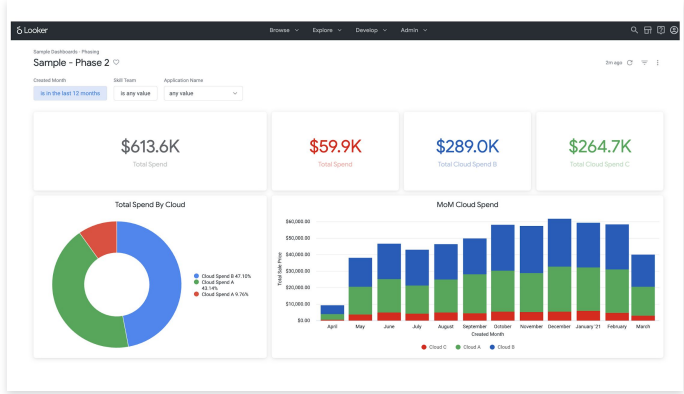
+ Billing datasets exist **siloed in each respective cloud database**. See further instructions for how to do this in each cloud provider.



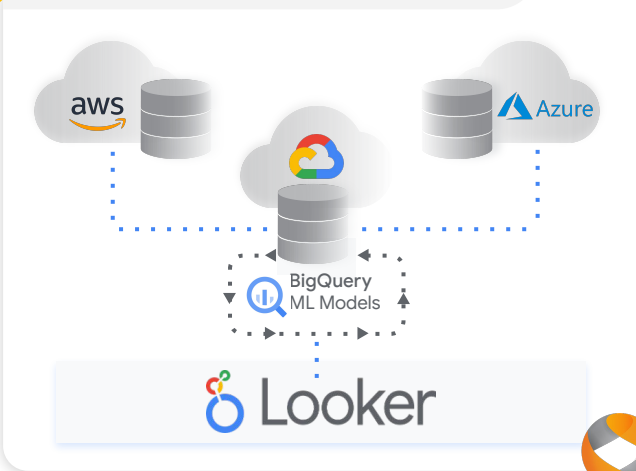
2 Phase 2: Data Centralized



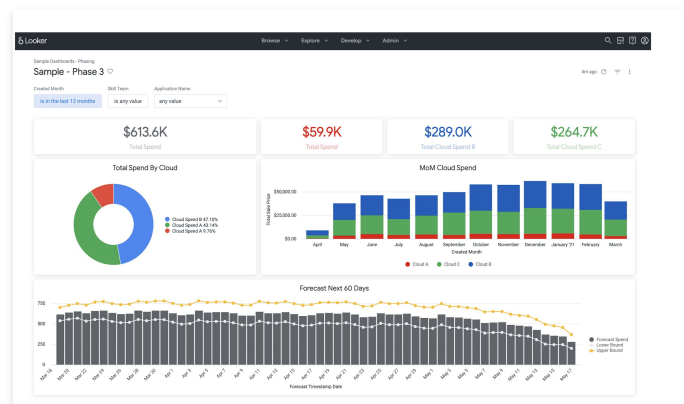
+ Billing data is **centralized in a single data warehouse (BigQuery)**. This requires ongoing ETL processes.



3 Phase 3: ML Models Applied



+ Once centralized in BigQuery, **BQML models are applied to the data** to forecast future spend. Results are outputted into new tables that feed Looker.





Cloud Cost Management

Phase 1

Phase 1

This phase will provide you with a centralized view of your cloud costs for AWS, Azure & GCP. It requires minimal upfront work and can be configured within a day. Please follow the steps below for getting the three billing datasets in their respective data warehouses, and connected to Looker.

Contact [Looker Sales](#) for Phase 2 and Phase 3 requirements and options.

Prerequisites

Exporting Billing Data

Need Help?



MavenWave
Preferred Partner



Google
BigQuery

GCP

Follow [these steps to set up a billing data export](#) into BigQuery. You alternatively could export data to Cloud SQL.



amazon
ATHENA

AWS

Follow [these steps to set up a billing data export](#) into Athena. You alternatively could export data to Redshift or MySQL.



AZURE

For Azure, you'll need to [create a scheduled export](#), or use the [Azure API](#) to move data into Azure SQL Warehouse.

Installation

Head over to the marketplace in your Looker instance by clicking on the the second icon in the menu located in the top right corner. Search for **Cloud Cost Management: Phase 1** and click 'Install'.



Resources and guides:



Looker
Marketplace



Customizing
Looker Blocks



Further training