Looker

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TOPICS

- What's Looker?

- Features of Looker

- Looker Architecture

- What is a LookML?
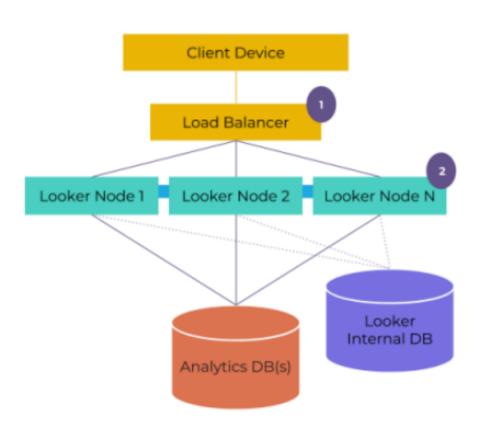
- What are looker Blocks?

- How does Looker work?

WHAT'S LOOKER?

- Looker may be a cloud-based Business Intelligence (BI) tool that helps you explore, share, and visualize data that drive better business decisions.

- Looker makes it incredibly easy to create a knowledge exploration platform that creates your data accessible in a meaningful, intuitive way for your entire organization.

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Features Of Looker

- Break down barriers to insight

- Increase performance and optimize costs

- Build better data products faster

- ntegrated   end-to-end   multi-cloud platform

- Embedded data experiences

LOOKER ARCHITECTURE

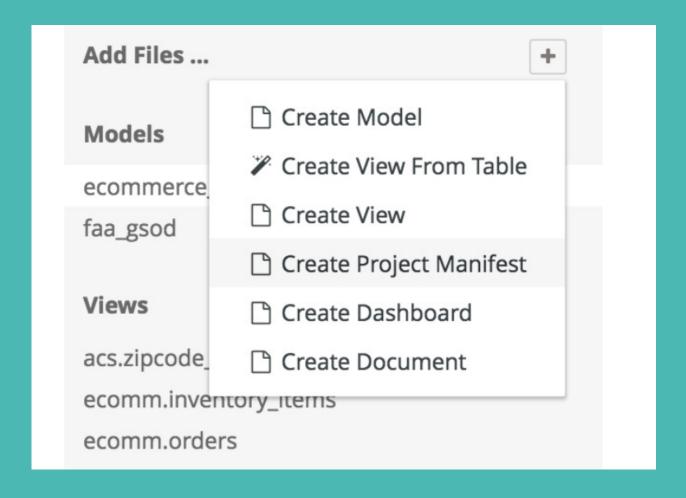| REF	DESCRIPTION
1	Multiple Looker nodes can be deployed in a clustered environment behind a proxy server or load balancer.
2	Looker nodes communicate with each other via HTTPS leveraging additional security measures; each node has an endpoint which provides its status to the proxy server / load balancer.

- **What is a LookML?**.

LookML may be a language wont to describe dimensions, calculations, aggregates, and data relationships during a SQL database. Looker practices a model in LookML for SQL queries construction against a selected database.

What are looker Blocks?

Looker Blocks are the prebuilt data models wont to accelerate your data sources and analytics patterns. Looker Blocks are an entry point for quick and versatile analytics, right from SQL patterns to completely built-out data models.

There are various Looker Blocks available, and a couple of of them are as follows:

How does Looker work?
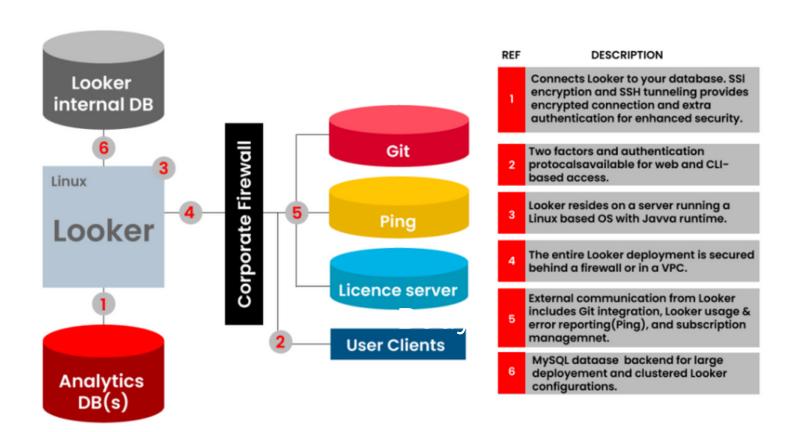
- Looker may be a tool that makes SQL queries and passes them against a database connection. It produces SQL queries supported by the LookML project, which describes the connection between columns and tables during a database.

The following steps are the working of a Looker:

- Viewing the Query

- The canonical sort of a Looker Query

- Running raw SQL in Looker's SQL Runner

structure of looker how does looker work??

REF	DESCRIPTION
1	Connects Looker to your database. SSl encryption and SSH tunneling provides encrypted connection and extra authentication for enhanced security.
2	Two factors and authentication protocalsavailable for web and CLI-based access.
3	Looker resides on a server running a Linux based OS with Javva runtime.
4	The entire Looker deployment is secured behind a firewall or in a VPC.
5	External communication from Looker includes Git integration, Looker usage & error reporting(Ping), and subscription managemnet.
6	MySQL dataase backend for large deployement and clustered Looker configurations.

Diagram labels: Looker internal DB, Linux, Looker, Analytics DB(s), Corporate Firewall, Git, Ping, Licence server, User Clients

thank you!