* What is a Snowflake warehouse?
* A snowflake warehouse is made up of database architectures and utilizes database tables to store all data. It also utilizes MPP (massively parallel processing) compute clusters to process queries for the stored data.

### Snowflake warehouse vs. database

* A snowflake warehouse is made up of database architectures and utilizes database tables to store all data. It also utilizes MPP (massively parallel processing) compute clusters to process queries for the stored data.
* A database by itself is an electronically stored and structured collection of data.

## Types of Warehouses

* There are two types of warehouses supported by Snowflake, as explained below:
* Standard — It is the commonly used type and can be a good fit for most of the scenarios.
* Snow park Optimized — This type is generally recommended for workloads that have large memory requirements, e.g. ML training use cases.

## Create Snowflake Warehouse

* One can use either Snowflake UI or SQL statement to create a warehouse. Both of the options are explained below.

**Using Snowflake UI**

* Login to your Snowflake account and navigate to Admin > Warehouses section and click on Warehouse button on the top right of the screen.
* Provide the warehouse name and I strongly recommend putting a description/comment for the warehouse. It is extremely helpful in a large environment with many warehouses. Afterward, select the appropriate warehouse size and other advanced options. More on the advanced options in the Using SQL section.

**CREATE WAREHOUSE**

Creates a new [virtual warehouse](https://docs.snowflake.com/en/user-guide/warehouses-overview) in the system.

Initial creation of a virtual warehouse might take some time to provision the compute resources, unless the warehouse is created initially in a SUSPENDED state.

This command supports the following variants:

* [CREATE OR ALTER WAREHOUSE](https://docs.snowflake.com/en/sql-reference/sql/create-warehouse#label-create-or-alter-warehouse-syntax): Creates a new warehouse if it doesn’t exist or alters an existing warehouse.

**See also:**

[ALTER WAREHOUSE](https://docs.snowflake.com/en/sql-reference/sql/alter-warehouse) , [DESCRIBE WAREHOUSE](https://docs.snowflake.com/en/sql-reference/sql/desc-warehouse) , [DROP WAREHOUSE](https://docs.snowflake.com/en/sql-reference/sql/drop-warehouse) , [SHOW WAREHOUSES](https://docs.snowflake.com/en/sql-reference/sql/show-warehouses)

[CREATE OR ALTER <object>](https://docs.snowflake.com/en/sql-reference/sql/create-or-alter)