

DATA SECURITY

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How do you protect sensitive data like Date of Birth and SSN# from being seen by end users ?

We can use **Dynamic Data Masking** to protect sensitive data from being seen by end users. Only roles that have access to the data will be able to see the data in its unmasked form.

We can also use **Views** to protect data, we can create a view which contain columns that can be exposed to the end user and grant select access to the view.

Static data masking is updating sensitive data like Date of Birth and SSN# so that it is changed. Eg: All birth date can be updated to 31-Dec-2010, so we will have a birth date but none of them will be correct.

We can also use **Row Access Policies** to limit the data being seen by end users who should not have access to it.



What is Dynamic Data masking

Dynamic Data Masking is a **Column-level Security** feature that uses masking policies to selectively mask plain-text data in table and view columns at query time

The reason it is called dynamic is because the masking changes depending on who is seeing the data. The masking is not hard coded into the data, rather it is a mask which covers the data and the masking changes as per the rules we have set.



What is Row Access Policy in snowflake ?

Row Access policy is a **row level security feature** which determines what rows a user will see when they run a select statement. Two users who select data from the same table may see different data if the Row Access Policy for them is different.



Thank you!
