

Snowflake Integration

OAuth enables user to log into Snowflake from PBI desktop using their AD Account instead of a user and password.

Target Audience

PBI Administrator, Snowflake Administrator.

OAuth Configuration for SSO.

Scope	Step	Comment	Snowflake	Others
PBI Integration	1	Create Security Integration in snowflake	<pre>1 USE ROLE ACCOUNTADMIN; 2 3 CREATE SECURITY INTEGRATION POWERBI 4 TYPE = external_oauth 5 ENABLED = true 6 EXTERNAL_OAUTH_TYPE = azure 7 EXTERNAL_OAUTH_ISSUER = 'https: 8 EXTERNAL_OAUTH_JWS_KEYS_URL = ' 9 EXTERNAL_OAUTH_AUDIENCE_LIST = 10 EXTERNAL_OAUTH_TOKEN_USER_MAPPI 11 EXTERNAL_OAUTH_SNOWFLAKE_USER_M 12 EXTERNAL_OAUTH_ANY_ROLE_MODE =</pre>	
	2	Create required Role & WH in snowflake	<ul style="list-style-type: none">• All BI developers will use BUSSYS_DEVELOPER role and BUSSYS_DEVELOPER_WH while connecting to Snowflake from PBI desktop.• All service accounts will be used to refresh the reports published in the workspace as explained diagram below.	
	3	Create SERVICE ACCOUNTs for PBI	Service USER: PBI_PRD Service USER: PBI_UAT Service USER: PBI_HRD	PBI_PRD secret server link PBI_UAT secret server link PBI_HRD secret server link

Architecture

Here is how user access management will happen in PBI.

- All BI developers will be added to the pre-existing AD group to log in to the PBI desktop app using SSO (firstname.lastname@dynatrace.com).
- From PBI to Snowflake, OAuth is enabled. BI developers can use their SSO credentials to login to Snowflake. Please find this [link](#) for more details.
- Using SSO credentials, BI developers should have the required access and grants to use relevant snowflake objects to pull in PBI desktop for building the report.

- [illegible]

To better manage Snowflake cost and improve performance, having one warehouse per workspace will be ideal. One warehouse will be granted usage to one role with permission to specific marts. One service user will be granted usage to the role.

FIN PRD Workspace

Snow Role: PBI_FIN_PRD_DR - Role can be atomic (select permission from different databases, schemas ...)

FIN UAT Workspace

Snow Role: PBI_FIN_UAT_DR - Role can be atomic (select permission from different databases, schemas ...)

What is the process to move or copy a personal PBI report using SSO credentials to a workspace or app ?