Installation guide for DataTalk

1) App Registration

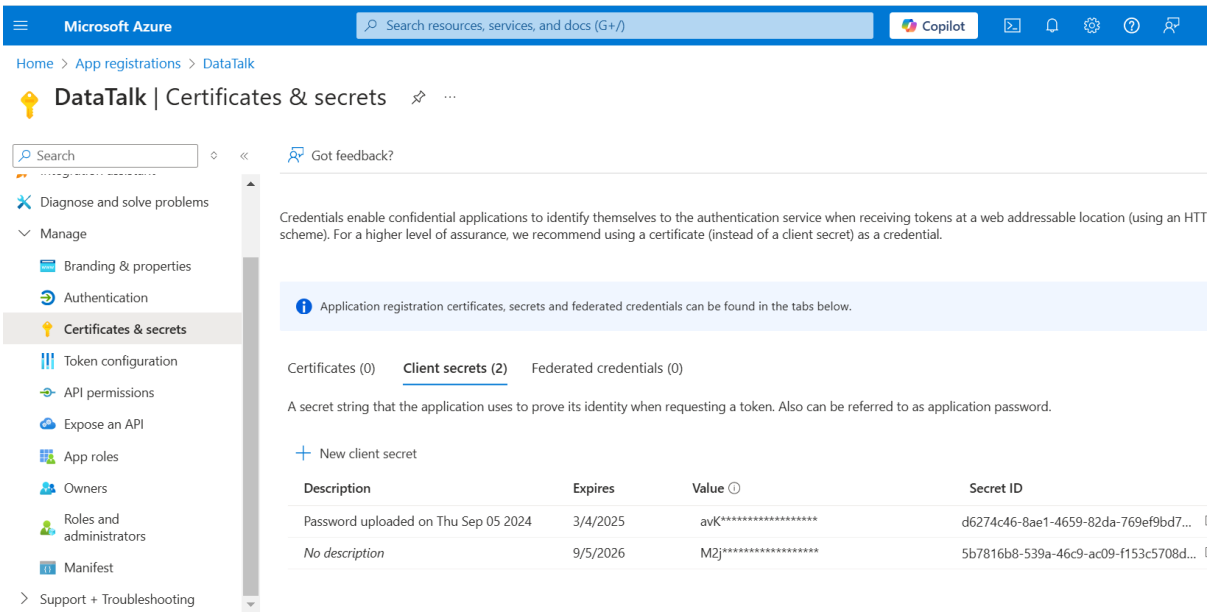
To authenticate the user to log in to the DataTalk portal using Azure AD, an application registration is required.

Why App Registration is required:

- Enables authentication and authorization for the user to access the DataTalk portal
- Allows the user to log in using their Azure AD credentials
- Enables DataTalk to access Azure resources and services on behalf of the user

Steps to register an app:

2) Log in to the Azure portal using your Azure AD credentials.
3) Click on **Azure Active Directory** in the navigation menu.
4) Click on **App registrations** and then click on **New registration**.
5) Enter a name for your application (e.g., "DataTalk") and select **Accounts in this organizational directory only**.
6) Click on **Register**.
7) Generate new client secret
8) Note down the **Application (client) ID**, **Client secret ID** and **Directory (tenant) ID**, as these will be required later in the installation process.



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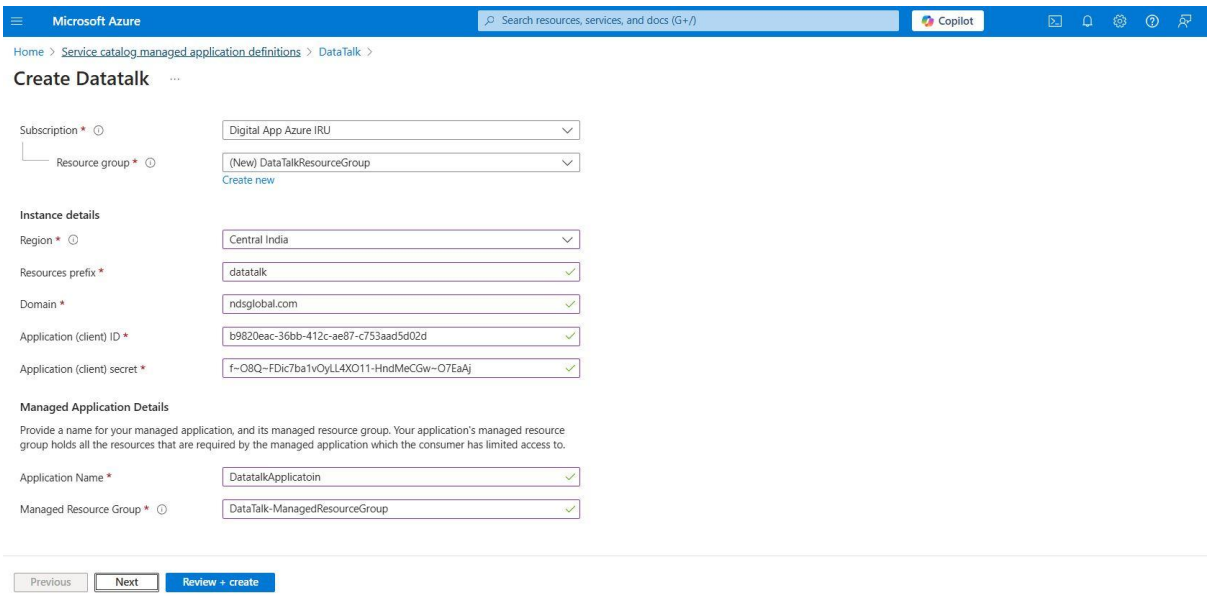
Step 2: Install DataTalk from Azure Marketplace

Install DataTalk:

1) Go to the Azure Marketplace and search for "DataTalk".
2) Click on the DataTalk result, then click on the Create button.
3) Select the Subscription and choose an existing Resource Group or create a new one.
4) Select a Service Plan from the dropdown list.
5) Enter the Domain Name, which should be your company's domain.
6) Enter the Client ID and Client Secret obtained from the App Registration step (Step 1).
7) Review the terms and conditions, then click on the Create button to begin the installation process.



- Fill in the required details for each Azure service, ensuring that all **Service Names** are unique.
- Select the required plans for web apps from the available options.
- Review and fill in all required data for all services.
- Once all required data is filled in, click on the **Create** button.
- The deployment process will begin, setting up and configuring the required Azure services for DataTalk.
- Wait for the deployment to complete. This may take several minutes.

Troubleshooting:

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- If the deployment fails due to non-unique service names, try deploying again with unique service names.
- Use the same process to redeploy with updated service names.

Step 3: Configure DataTalk

Post-Deployment Configuration:

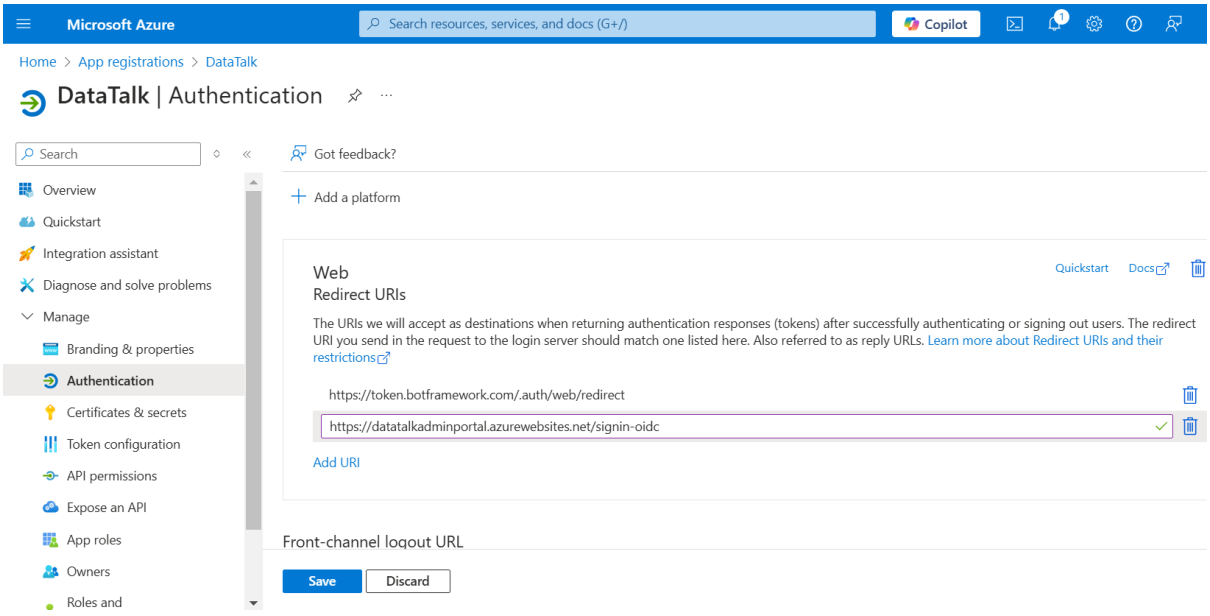
After a successful deployment, configure DataTalk by accessing the Admin Portal.

Add Admin Portal URL to App Registration:

1) Go back to the App Registration created in Step 1.
2) Click on **Authentication** under the **Manage** section.
3) Under **Redirect URIs**, click on **Add a platform** and select **Web**, Enter the Admin Portal URL
4) Click on **Configure**.

Access Admin Portal:

1) Go to the Admin Portal
2) Log in with your Azure AD credentials.
3) Configure DataTalk as required.



Step 5: Configure Solution Settings

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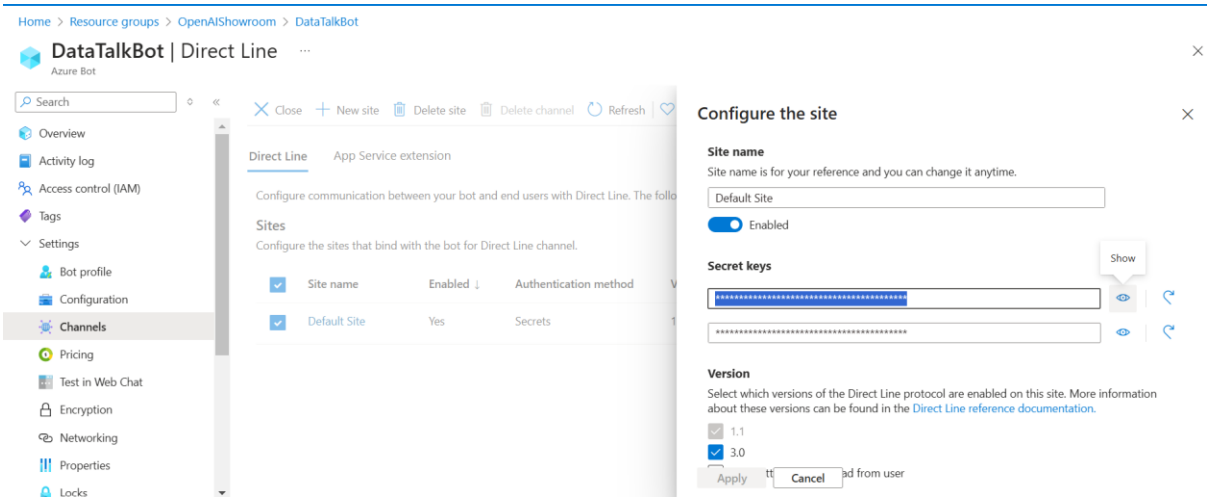
Navigate to the Admin, Click on **Configuration**. Fill in Solution Configuration Details:

1) **Microsoft ID**: Enter the App Registration ID from Step 1.
2) **Microsoft Password**: Enter the App Registration Value from Step 1.
3) **Blob Storage**: Enter the storage connection string of the newly created storage account with DataTalk deployment.
4) **Application Settings**: Enter the application settings details of the DataTalk application.
5) **Directline Secret**: Enter the Directline secret from DataTalk Bot handler -> Channels -> Directline -> DirectlineSecret.
6) **Bot URI**: Enter the DataTalk Bot URL created during deployment.
7) **Function App URL**: Enter the Function App URL generated during deployment.
8) **Function App Key**: Enter the 'pyrun' function key generated in the Function App.
9) **Allowed References**: Enter the URLs of the websites from which you will access the DataTalk application. Only these websites/sources will be able to access the DataTalk Bot due to security restrictions.

Save Configuration:

1) Check the box **Enable Bot**.
2) Click **Save** to save all configuration data for the Bot.



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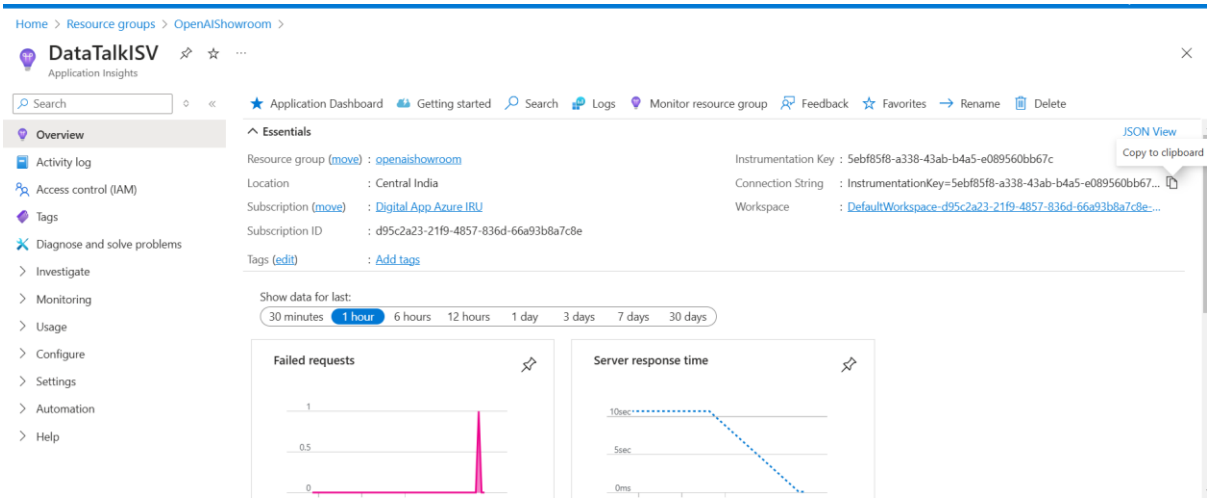
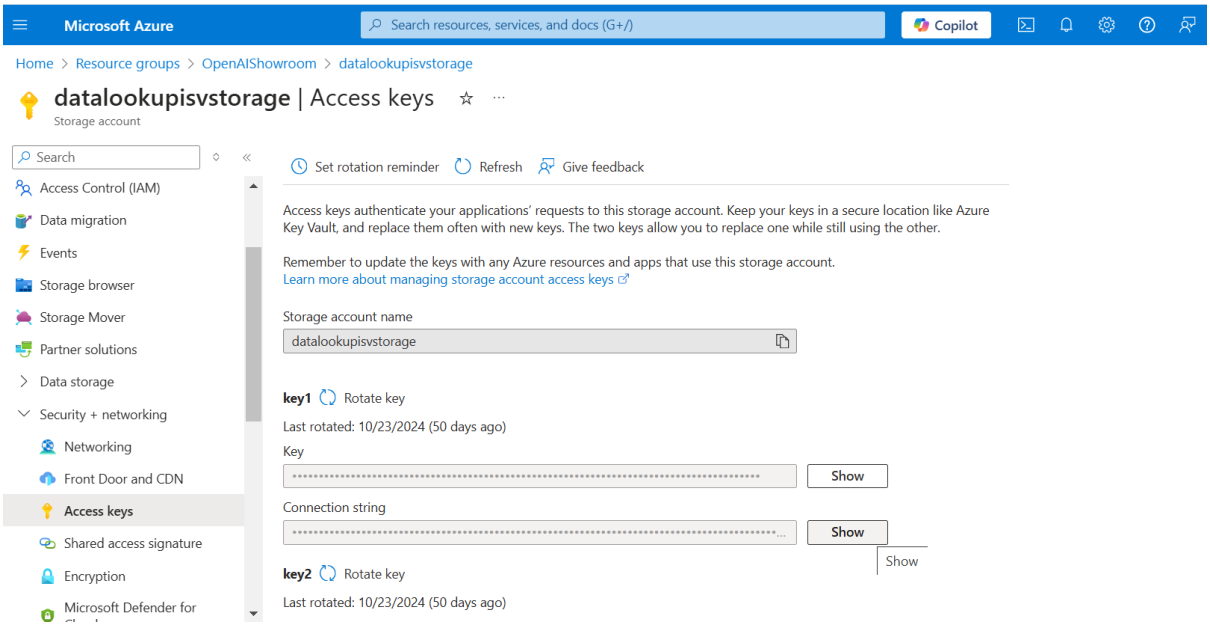
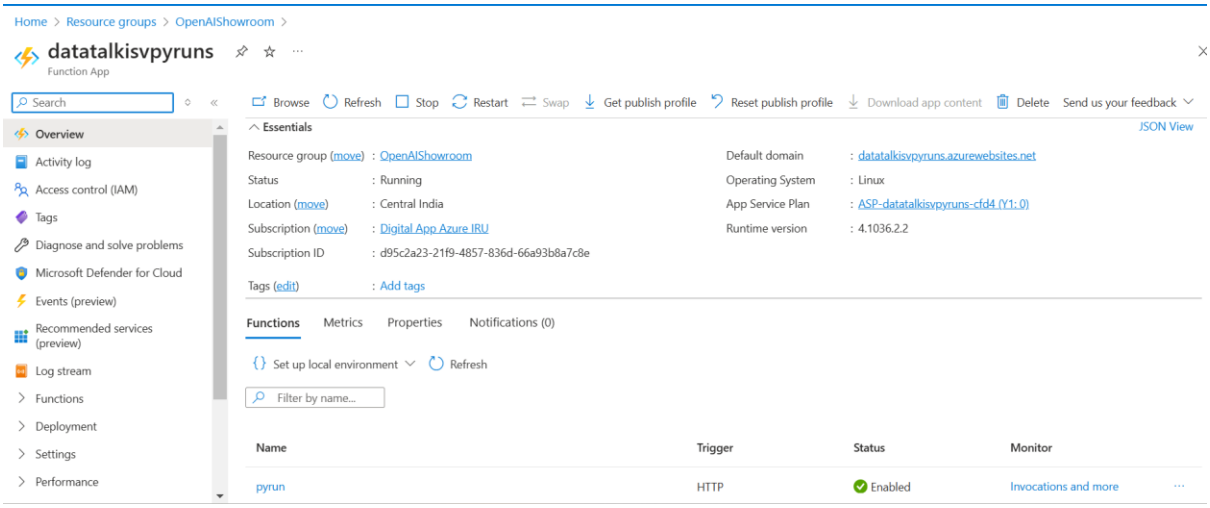

Home > Resource groups > OpenAIShowroom >
DataTalkISV
Application Insights
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Investigate
Monitoring
Usage
Configure
Settings
Automation
Help
Application Dashboard
Getting started
Search
Logs
Monitor resource group
Feedback
Favorites
Rename
Delete
Essentials
JSON View
Copy to clipboard
Resource group (move) : openaishowroom
Location : Central India
Subscription (move) : Digital App Azure IRU
Subscription ID : d95c2a23-21f9-4857-836d-66a93b8a7c8e
Tags (edit) : Add tags
Instrumentation Key : 5ebf85f8-a338-43ab-b4a5-e089560bb67c
Connection String : InstrumentationKey=5ebf85f8-a338-43ab-b4a5-e089560bb67...
Workspace : DefaultWorkspace-d95c2a23-21f9-4857-836d-66a93b8a7c8e-...
Show data for last:
30 minutes
1 hour
6 hours
12 hours
1 day
3 days
7 days
30 days
Failed requests
Server response time
10sec
5sec
0ms


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Resource groups > OpenAIShowroom > datalookupisvstorage
datalookupisvstorage | Access keys
Storage account
Search
Access Control (IAM)
Data migration
Events
Storage browser
Storage Mover
Partner solutions
Data storage
Security + networking
Networking
Front Door and CDN
Access keys
Shared access signature
Encryption
Microsoft Defender for
Set rotation reminder
Refresh
Give feedback
Access keys authenticate your applications' requests to this storage account. Keep your keys in a secure location like Azure Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other.
Remember to update the keys with any Azure resources and apps that use this storage account.
Learn more about managing storage account access keys
Storage account name
datalookupisvstorage
key1
Rotate key
Last rotated: 10/23/2024 (50 days ago)
Key
Show
Connection string
Show
Show
key2
Rotate key
Last rotated: 10/23/2024 (50 days ago)


Home > Resource groups > OpenAIShowroom >
datatalkisvpyruns
Function App
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Microsoft Defender for Cloud
Events (preview)
Recommended services (preview)
Log stream
Functions
Deployment
Settings
Performance
Browse
Refresh
Stop
Restart
Swap
Get publish profile
Reset publish profile
Download app content
Delete
Send us your feedback
Essentials
JSON View
Resource group (move) : OpenAIShowroom
Status : Running
Location (move) : Central India
Subscription (move) : Digital App Azure IRU
Subscription ID : d95c2a23-21f9-4857-836d-66a93b8a7c8e
Tags (edit) : Add tags
Default domain : datatalkisvpyruns.azurewebsites.net
Operating System : Linux
App Service Plan : ASP-datatalkisvpyruns-cfd4 (Y1: 0)
Runtime version : 4.1036.2.2
Functions
Metrics
Properties
Notifications (0)
Set up local environment
Refresh
Filter by name...
Name
Trigger
Status
Monitor
pyrun
HTTP
Enabled
Invocations and more

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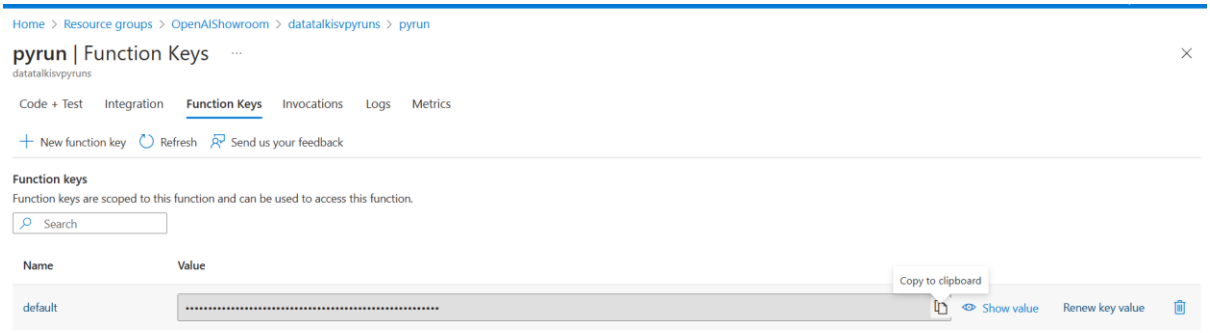

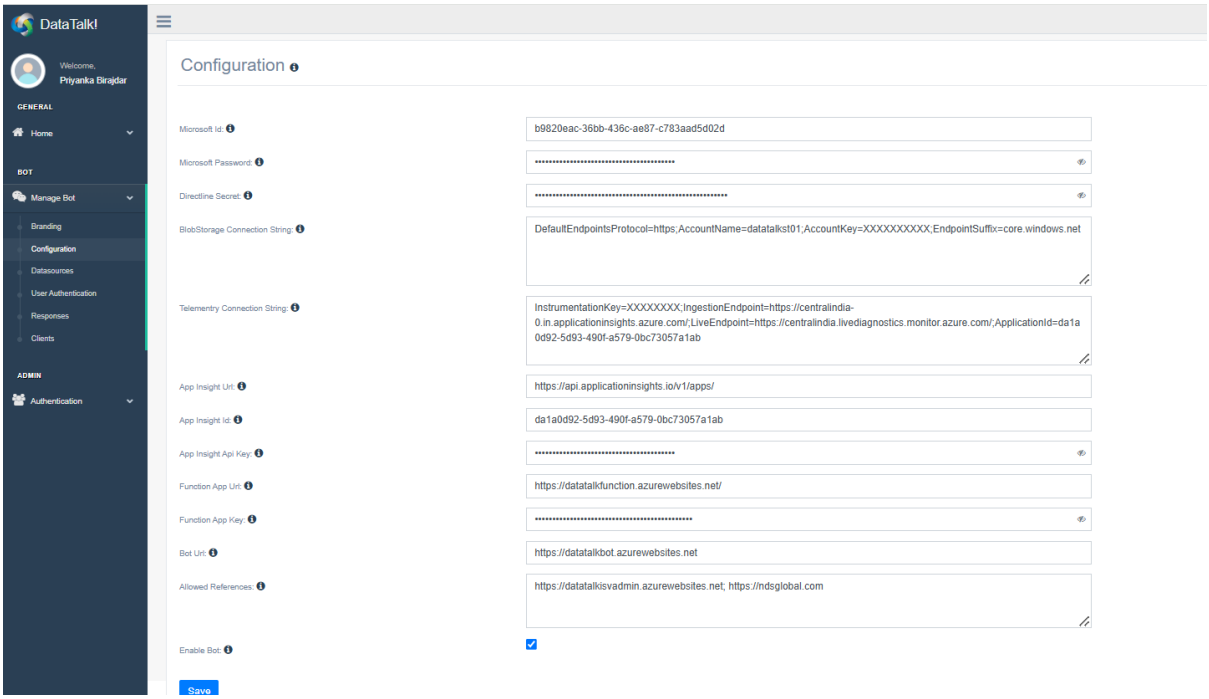

Step 6: Create Azure OpenAI Deployment

Create Azure OpenAI Deployment:

1. Navigate to the OpenAI service newly created in the DataTalk deployment.
2. Click on **Deployments** and then click on **New deployment**.
3. Select **Microsoft 40 Mini** or a higher version as the model.
4. Configure the deployment details as required.

Configure AI Settings in Admin Portal:

1. Navigate to the Admin Portal
2. Click on **Configuration**.
3. Navigate to **AI**.
4. Enter the details of the newly created Azure OpenAI deployment.

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5. Save the changes.

Step 7: Add Data Sources

Adding data sources is a mandatory step in configuring DataTalk. DataTalk uses these data sources to answer user queries and provide relevant information. In Admin Portal, navigate to **DataSources** and **Add New Data Source**.

Configure Data Source:

1. Select the **Database Type** from the list of available data sources.
2. Provide the **Connection String** for the selected database.
3. Provide the **Database Version**.
4. Click **Save** to save the data source configuration.

Select Tables (Mandatory):

1. After successful saving, click on **Tables**.
2. Select only the required database tables to expose to DataTalk.
3. Click **Save** to save the selected tables.

Manage Description (Optional):

If table schemas are not self-explanatory, provide detailed descriptions of the tables and schemas in this section.

Table Schema (Mandatory):

1. Provide the **Create Table schema** for all selected tables.
2. Ensure the schema is accurate and case-sensitive, as it will be used for query generation.

Quick Actions (Mandatory):

Provide some **Quick Actions** for users to start with, along with it upload **Sample Images** to be displayed on top of the user interface.

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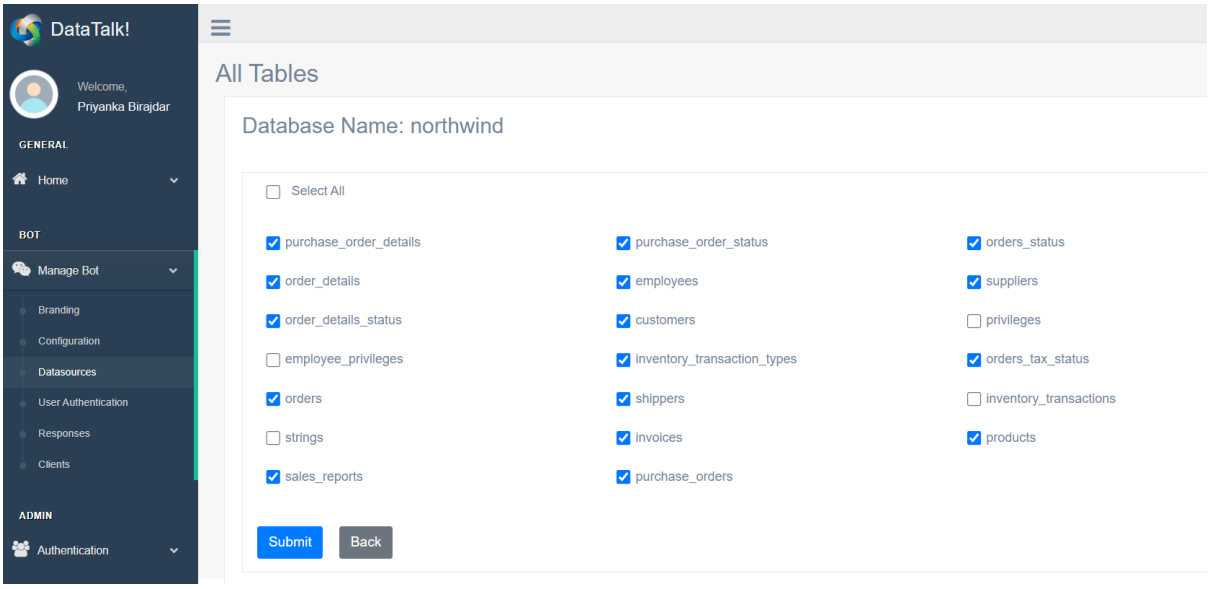
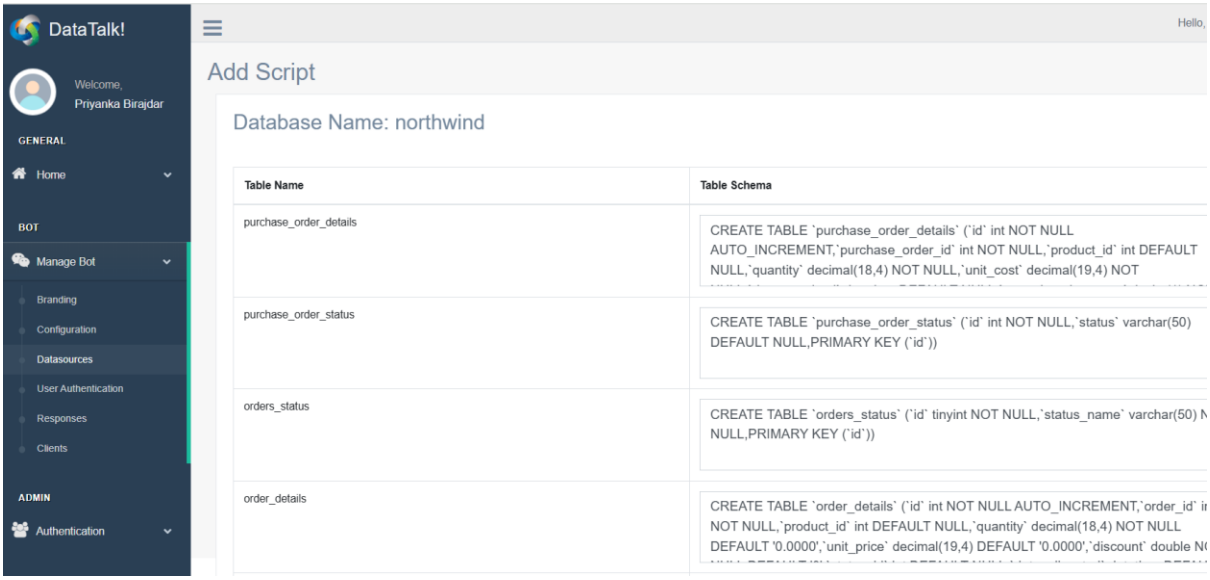

DataTalk!
Welcome,
Priyanka Birajdar
GENERAL
Home
BOT
Manage Bot
Branding
Configuration
Datasources
User Authentication
Responses
Clients
ADMIN
Authentication
All Tables
Database Name: northwind
Select All
purchase_order_details
purchase_order_status
orders_status
order_details
employees
suppliers
order_details_status
customers
privileges
employee_privileges
inventory_transaction_types
orders_tax_status
orders
shippers
inventory_transactions
strings
invoices
products
sales_reports
purchase_orders
Submit
Back


DataTalk!
Welcome,
Priyanka Birajdar
GENERAL
Home
BOT
Manage Bot
Branding
Configuration
Datasources
User Authentication
Responses
Clients
ADMIN
Authentication
Hello,
Add Script
Database Name: northwind
Table Name
Table Schema
purchase_order_details
CREATE TABLE `purchase_order_details` (`id` int NOT NULL AUTO_INCREMENT,`purchase_order_id` int NOT NULL,`product_id` int DEFAULT NULL,`quantity` decimal(18,4) NOT NULL,`unit_cost` decimal(19,4) NOT
purchase_order_status
CREATE TABLE `purchase_order_status` (`id` int NOT NULL,`status` varchar(50) DEFAULT NULL,PRIMARY KEY (`id`))
orders_status
CREATE TABLE `orders_status` (`id` tinyint NOT NULL,`status_name` varchar(50) N NULL,PRIMARY KEY (`id`))
order_details
CREATE TABLE `order_details` (`id` int NOT NULL AUTO_INCREMENT,`order_id` i NOT NULL,`product_id` int DEFAULT NULL,`quantity` decimal(18,4) NOT NULL DEFAULT '0.0000',`unit_price` decimal(19,4) DEFAULT '0.0000',`discount` double N

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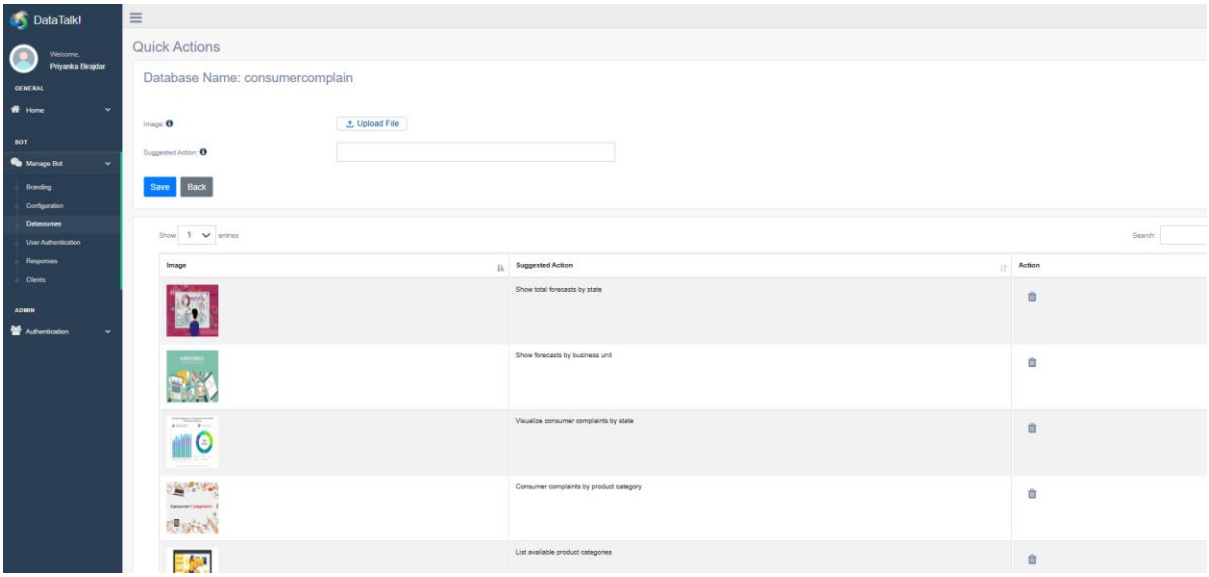

Step 8: Configure User Authentication

DataTalk can be used by all users without authentication or can only be restricted to authenticated user. In Admin Portal, under User Authentication type either Anonymous or Authenticated. Anonymous selection does not require any configuration. For Authenticated user, configure and fill details as below

Configure User Authentication in Azure Bot:

1. Requires configuration of Azure AD authentication for the Bot.
2. Admin can use the same App Registration created in Step 1 for this purpose.
3. Refer to the Microsoft documentation for adding Azure AD authentication to Microsoft Bot DirectLine: https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-authentication
4. Configure Azure AD authentication to enable authenticated users to access DataTalk.
5. Copy OAuth Connection name, OAuth Provider from Bot App and fill these details in Admin portal. OAuth Connection name should match exactly and is case sensitive.

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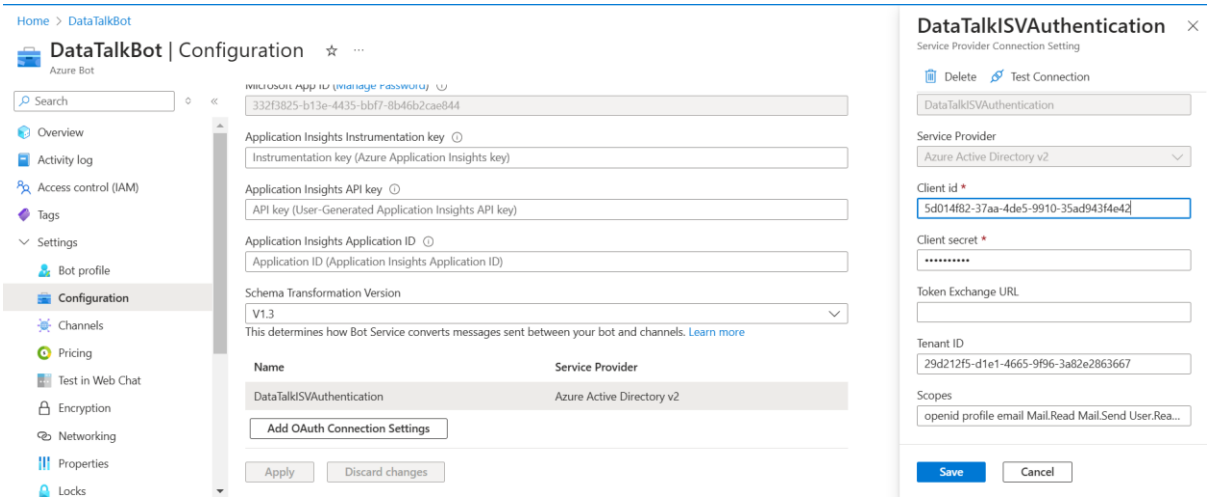
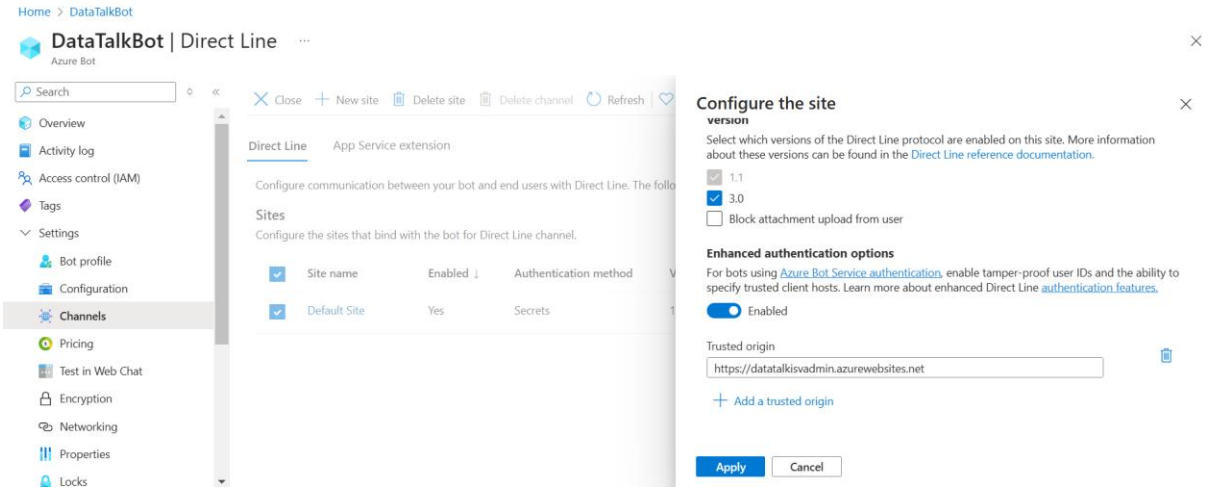
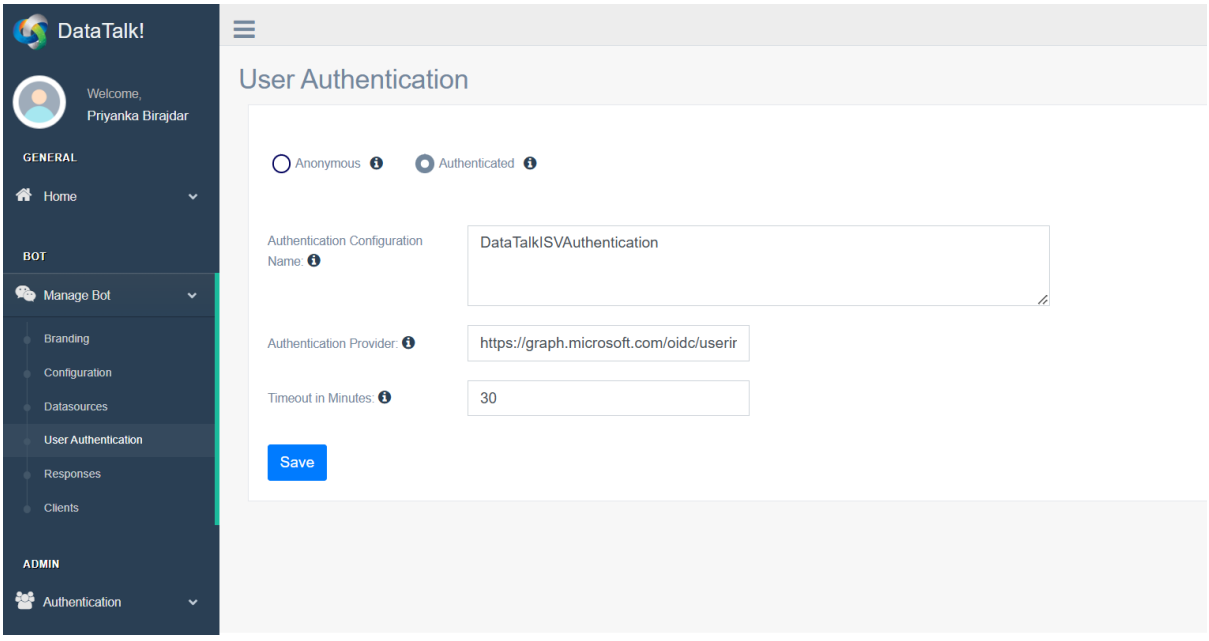

Home > DataTalkBot
DataTalkBot | Configuration
Azure Bot
Search
Overview
Activity log
Access control (IAM)
Tags
Settings
Bot profile
Configuration
Channels
Pricing
Test in Web Chat
Encryption
Networking
Properties
Locks
Application Insights Instrumentation key
Instrumentation key (Azure Application Insights key)
Application Insights API key
API key (User-Generated Application Insights API key)
Application Insights Application ID
Application ID (Application Insights Application ID)
Schema Transformation Version
V1.3
This determines how Bot Service converts messages sent between your bot and channels. Learn more
Name
Service Provider
DataTalkISVAuthentication
Azure Active Directory v2
Add OAuth Connection Settings
Apply
Discard changes
DataTalkISVAuthentication
Service Provider Connection Setting
Delete
Test Connection
Service Provider
Azure Active Directory v2
Client id *
5d014f82-37aa-4de5-9910-35ad943f4e42
Client secret *
Token Exchange URL
Tenant ID
29d212f5-d1e1-4665-9f96-3a82e2863667
Scopes
openid profile email Mail.Read Mail.Send User.Rea...
Save
Cancel


Home > DataTalkBot
DataTalkBot | Direct Line
Azure Bot
Search
Overview
Activity log
Access control (IAM)
Tags
Settings
Bot profile
Configuration
Channels
Pricing
Test in Web Chat
Encryption
Networking
Properties
Locks
Close
New site
Delete site
Delete channel
Refresh
Direct Line
App Service extension
Sites
Site name
Enabled
Authentication method
Default Site
Yes
Secrets
Configure the site
Select which versions of the Direct Line protocol are enabled on this site. More information about these versions can be found in the Direct Line reference documentation.
1.1
3.0
Block attachment upload from user
Enhanced authentication options
For bots using Azure Bot Service authentication, enable tamper-proof user IDs and the ability to specify trusted client hosts. Learn more about enhanced Direct Line authentication features.
Enabled
Trusted origin
https://datatalkisvadmin.azurewebsites.net
Add a trusted origin
Apply
Cancel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Priyanka Birajdar
GENERAL
Home
BOT
Manage Bot
Branding
Configuration
Datasources
User Authentication
Responses
Clients
ADMIN
Authentication
User Authentication
Anonymous
Authenticated
Authentication Configuration Name:
DataTalkISVAuthentication
Authentication Provider:
https://graph.microsoft.com/oidc/userir
Timeout in Minutes:
30
Save

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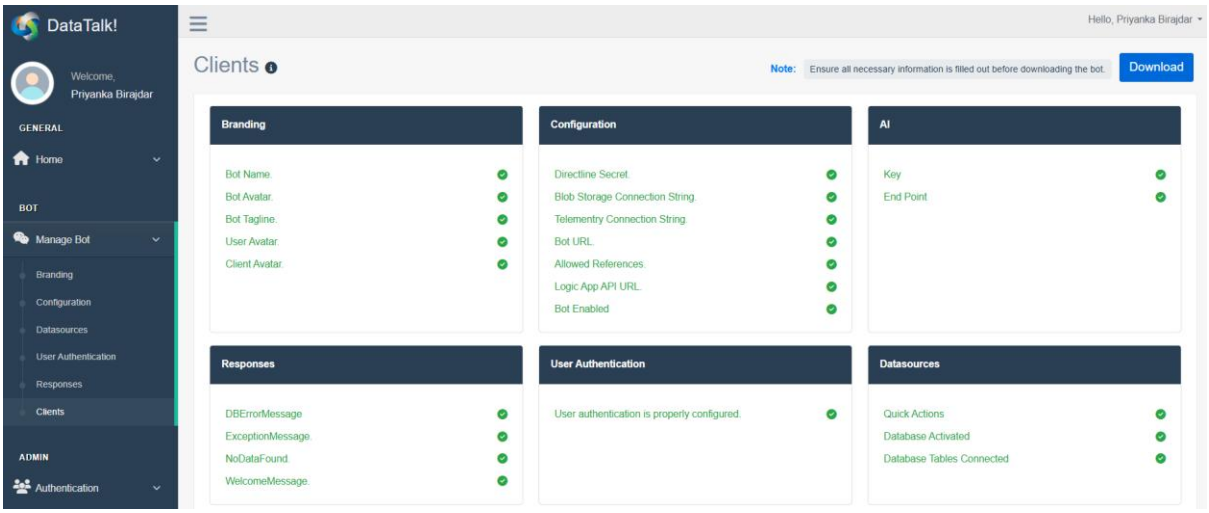
Step 9: Download and Integrate DataTalk Script

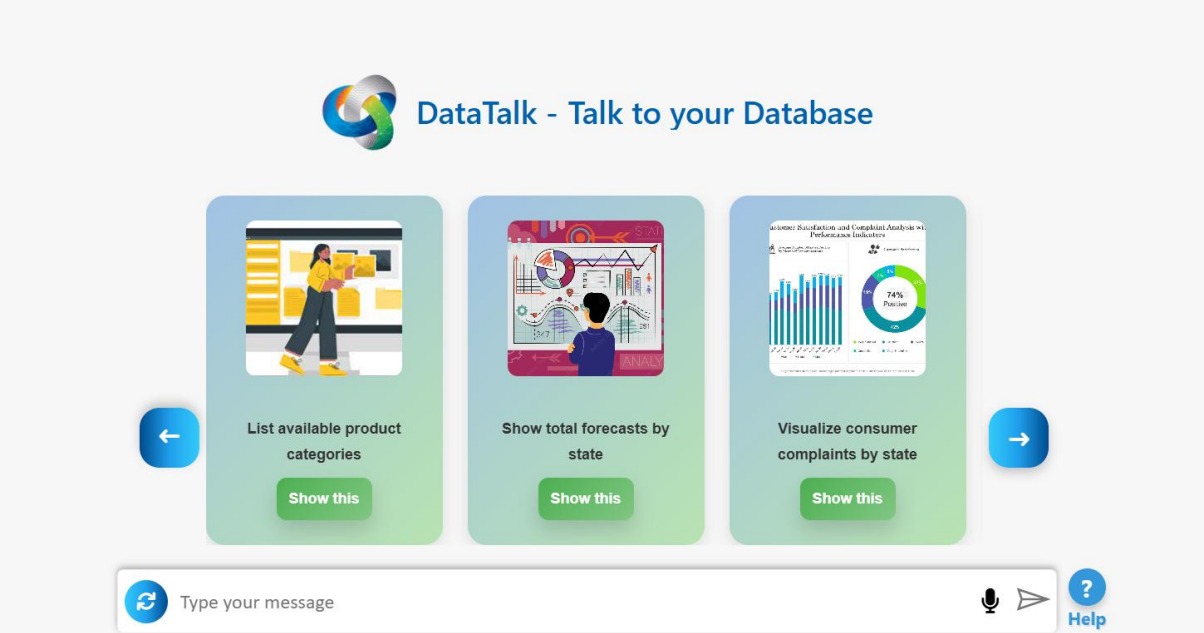
Download DataTalk script from Client tab in Admin portal

Integrate and Start Using DataTalk:

1. Integrate the downloaded script into your application or website.
2. Start talking to your configured databases using DataTalk.
3. Ask questions, and DataTalk will provide answers based on the data in your configured databases.

Congratulations! You have successfully configured and deployed DataTalk.





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Consumer complaints by Product category by state and business unit

2 minutes ago

Fetching data for consumer complaints by Product Category, State, and Business Unit...

Here are the consumer complaints categorized by product, state, and business unit:

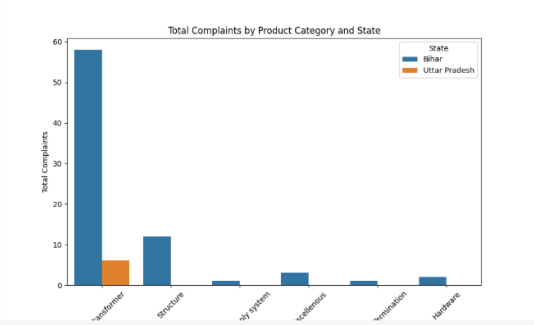
Product Category	State	Business Unit	Total Complaints
DTR Transformer	Bihar	Power Distribution	58
Structure	Bihar	Power Distribution	12
Electric Supply system	Bihar	Power Distribution	1
DTR Transformer	Uttar Pradesh	Power Distribution	6
Miscellenous	Bihar	Power Distribution	3
Electrical Termination	Bihar	Power Distribution	1
Hardware	Bihar	Power Distribution	2

New messages

Type your message

Help

Let me try to generate visual representation for these details. Hang in there...



2 minutes ago

New messages

Type your message

Help

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