

Create a Data Store

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1. Document Purpose

The purpose of this document is to guide users on how to create data stores using the BDB Platform. It is recommended that users follow the step by step process given below.

2. Pre-requisites

- o Browser that supports HTML5
- o Operating System: Windows 7
- o Basic understanding of the BizViz Server

3. Step-by-Step Process

3.1. Accessing the BDB Platform

This section explains how to access the BizViz Platform and variety of plugins that it offers:

- i) Open BDB Enterprise Platform Link: <u>http://apps.bdbizviz.com/app/</u>
- ii) Enter your credentials to log in.
- iii) Click 'Login'



Welcome to Big Data BizViz (BDB)	RDR
Enal	Decision Platform
Partword	Big Data Pipeline Framework
Porpot password?	Dashboard Designer
Enterprise	ETL (Self-Service Data Preparation)
	Geospatial Analysis (Location Intelligence)
	Predictive Analysis
	Play (Beta Release)
Login	Self-Service BI (Business Story)
	Social Media Browser
	Sentiment Analysis
Copyright © 2015-2017 BDB (Bickle Technologies Pvt Ltd)	Suruny

iv) Users will be redirected to the BDB Platform home page.

			Search R 📼	- 14
Big Data BizViz Release 3.0	Platform A complete Action guidtum for all your functions and the first status and device an action on guidtum for the status and device an action on guidtum for the status and device an action on guidtum for the status and device an action on guidtum for the status and analyzing the argument actions activate and analyzing the argument activates and status and analyzing the argument activates and status and analyzing the argument activates and argument and the argument activates argument and argument activates argument activates argument activates argument and argument activates argument and argument and argument and argument and argument activates argument and argument activates argument and argument argume	<text><text><text><image/><text></text></text></text></text>	Sentiment Analysis Sentiment Analysis	
	ETL .	Cocospecial Analysis	reliable data in real time. Track antimited	
	Experience a secure yet set driven mode	datast account to along at the in of	spessors are responses via bove	

3.2. Creating a Data Store

- i) Click the 'Apps' icon iii on the platform menu bar.
- ii) All the available plugin applications will be displayed.
- iii) Click the **'Data Center'** option 🤤 from the apps menu.



		Ŵ
Home	Admin	User
		E
Data Center	Designer	Survey
Sentiments	Play	Report
	ft in 8	<u>//</u>
Data	Social Media	Predictive
Preparation		
GeoSpatial		

iv) Users will be directed to the Data Center landing page.

Data	Center							NE	w
000	Data Connectors	Data Source							
5	Data Sets								
ø	Data Store	Search Data Connectors							
0	Data-Store Meta	Merge connection(gk_002)	5	ø	G	<	1	8	î
	Data	MigQA_16		ø	с	<	/	8	
		MigQA_16	5	ø	С	<	1	ii	
		MigQA_16	3	ø	С	<	1	Î	
		DC_Share_26-May	5	ø	с	<	1	ii.	

- v) Click 'NEW'
- vi) A context menu opens.
- vii) Select 'Data Stores' from the context menu.



	NEW
	Data Connectors
	Data Sets
ð	Data Store
ð	Data Store Meta Data

i) Users will be directed to the following page.

Data	Center			NEW
000	Data Connectors	Data Source		
5	Data Sets			
ø	Data Store	Search Data Connectors		
4	Data-Store Meta Data	oraclemj	CREATE DATA STOR	εî
-		File_30Aug17	CREATE DATA STOR	ε ∥
		SMB_AWS_SPARK_SOL20	CREATE DATA STOR	£
		Oracle,29Aug17	CREATE DATA STOR	£
		SMB_AWS_SPARK_SQL20	CREATE DATA STOR	E

- ii) Select a Connector Type from the 'Data Source' filter.
- iii) Select a data connector from the 'Data Connector' list.
- iv) Click the 'CREATE DATASET' option provided next to the selected data connector.

BS Data S CREATE DATA	STORE
testNewService CREATE DATA	A STORE
GeoTestSample CREATE DATA	STORE
BS Data CREATE DATA	STORE
BS_Data_chart CREATE DATA	STORE

v) Users will be directed to get data for creating a Data Store.

3.2.1. Getting Data

This section displays a form to create a new data store. Users need to provide the



following information:

- i) Data Store Name: Enter a name for the data store.
- ii) **Data Connector Name:** It will be preselected (Name of the selected data connector will be displayed in this field)
- iii) Database Name: It will be preselected based on the selected data connector.
- iv) Query: Write query in the given space. (Use 'Ctrl+Space' for assistance in writing a query.)
- v) Click 'NEXT' to proceed on the next tab.

		— 3 —	0	- 6	
Getting Data	Data Type Definition	Hierarchy Definition	Batch Query	Data Restrictions	Schedule Data Refresh
Data Store Name Sample Data	Store				
Data Connector N BS Data	lame				
Database Name bs_data					
Query	temName, PlantCod	e. State. City.	Unit(ast Stack H	RP from ItemMast	er
A Serect 10		,,,,	unicedury stocky r		
a served at			, areas areas a		
A second at					
Use Cit+Space for a	soistance				

3.2.2. Data Type Definition

- i) Users will be directed to choose required Dimensions, Measures, and Time options from the selected data set.
- ii) Click 'NEXT' to proceed on the next tab.



		2	0		- 0		6	6
Getting Data	Dat Del	a Type finition			Batch Qu	ery Data F		Schedule Data Refresh
Dimensions-			Measures			Time		
itemName	123	0	UnitCost	Abc	0			
PlantCode	123	0	Stock	Abo	0			
State	123	0	MRP	Abc	0			
City	123	Q						
PREVIOUS							CANCEL	NEXT

Note:

a. Users can change the categories of a dimension, measure, and time values by clicking the following options:

Options	Description
Abc	Move to Dimensions
123	Move to Measures
()	Move to Time

b. Click 'PREVIOUS' to go back to the previous tab.

3.2.3. Hierarchy Definition

Define hierarchy using various dimensions and time options.

- i) Click the 'Add' option + provided on the Hierarchy Definition window.
- ii) A new 'Drill Def' box will be added.
- iii) Drag and drop the dimensions or time options to define hierarchy.

Getting Data	Data Type Definition	3 Hierarchy Definition	Batch Query	Data Restrictions	6 Schedule Data Refresh
Fields-	ItemName	Hierarchy Def	inition		+
Abe	PlantCode	Drill Def- 1	Parte =	Ct. =	
Alex	State	itemivarie –	State	City -	
Abc	City				
PREVIOU	S			CANC	EL NEXT

iv) Click 'NEXT' to proceed on the next tab.



- a. Click 'PREVIOUS' to go back to the previous tab.
- b. Click the '**Remove**' option (in the Drill Def box) to remove the defined hierarchy using the selected option.
- c. The 'Date Drill' functionality is available for the Time dimensions. By default, the Time dimensions will be split into Year>Month>Date hierarchy.

Users can define the date drill by dragging a time dimension into a 'Drill Def' box.

E.g. Hierarchy for the 'Opening' time dimension has been defined as shown below:

Drill Def- 2			
OPENING:	OPENING:	OPENING: date	-

3.2.4. Batch Query

Split the data fetching process into different batches by generating a batch query.

- i) Select a Dimension using the drop-down menu.
- ii) Click 'Generate'.
- iii) Based on the selected dimension a distinct query will be generated (in the below-given box).

Ø	\bigcirc		0	0	6
Getting Data	Data Type Definition	Hierarchy Definition	Batch Query		Schedule Data Refresh
Select Dimension PlantCode					-
2 Distinct Query	1				6 GENERATE
1 SELECT DIS	TINCT PlantCode FROM	I ItenHaster			

- iv) Users can edit the distinct query as per their requirement.
- v) Click 'Generate' option provided for the 'Batch Query'.
- vi) The original query will be generated with the distinct query specifications to fetch data.
- vii) Click 'NEXT' to proceed on the next tab.



	Batch Query	٥	GENERATE
0	1 SELECT IteeName 2 ,PlantCode 3 ,State 4 ,City 5 ,UnitCost 6 ,Stock 7 ,VRP 8 FROM IteeMaster 9 MHERE PlantCode-?		
	PREVIOUS	CANCEL	NEXT

3.2.5. Data Restriction

Configure the settings to restrict a user-level view of the data store.

- i) Click 'Add' ⁺ to add a new box for inserting the data restriction parameter.
- ii) Fill in the following information:
 - a. Dimension: Select a dimension using the drop-down menu
 - b. User Property: Enter user/group specific custom field.
- iii) Click 'NEXT' to proceed on the next tab.

Getting Data	Data Type Definition	Hierarchy Definition	Batch Query	Data Restrictions	Schedule Date Retreat
Dimension	User	Property		+	
ItemName	+			-	
City	- City			÷	

Note: The Administrator can restrict access of data for a specific user by configuring the User Property via the 'Data Restriction' tab.

E.g. If for a user/user group '**City**' custom field is provided value '**Bangalore**' and the administrator passes '**City**' as User Property while creating a data store. Users for whom '**Bangalore**' was selected as value for the '**City**' custom field will be able to access data store data referring only to the Bangalore city.

3.2.6. Schedule Data Refresh

Use this option to configure data refresh interval.

- i) The following options are provided to refresh the data:
 - a. Daily
 - b. Weekly
 - c. Monthly



d. Yearly

- ii) Select any one option from the above-given list to set the data refresh interval.
- iii) Select the '**Refresh Now**' option by enabling the box to refresh the data store immediately after it has been created.
- iv) Enable Email Notification by enabling the option.
- v) Provide the Email Address on which you want the notification email to be sent.
- vi) Enable NLP service by check marking in the box.
- vii) Click 'FINISH'

					6
Getting Data	Data Type Definition	Hierarchy Definition	Batch Query	Data Restrictions	Schedule Data Refresh
-Schedule Con	figuration				
< VEEKLY	MONTHLY	YEARLY			
Every Ja	anuary + 1				
○ The _{Firs}	t - Monday -	of January -			
	,				
Start time 12	÷ ÷ 00	-			
Start time 12	* * : 00	-			
Start time 12	v	*			
Start time 12 Refresh Nov Enable Ema	v · · · · · · · · · · · · · · · · · · ·	*			
Start time 12	e - : 00	*			
Start time 12	e + : 00	*			
Start time 12	e - : 00				
Start time 12	e + i 00				

- viii) A message will pop-up to confirm that the data store configuration has been saved.
- ix) Users will be redirected to the Data Store List.
- x) A new data store will be created and added to the displayed list.

Data	Center							N	IEW
000 000	Data Connectors Data Sets	Data Connector Type Data Conn All • All	ector 🔹						
Ø	Data Store	Search Data Stores sam		5	Showing	13 out of	457		
	Data-Store Meta Data	Sample Data Store		0	C	<	/	8	
		Sample CSV Data Store		0	C	<	1		
		samplestorytest		0	с	<	/	8	

Option	Name		Task							
1	Latest Status	Scheduler	Display window	the	latest	scheduler	status	via	a	pop-up



C	Refresh Data	Refresh data for a data store
<	Share Data Store	Share/unable a data store to/for the selected user(s) or group(s)
1	Edit	Edit the data store fields
Î	Remove	Remove a data store from the list

Note:

- a. 'Getting Data' tab opens by default while creating a new data store.
- b. Click 'PREVIOUS' to be redirected to the previous page.
- c. Users can click 'CANCEL' to cancel the creation of a new data store at any step.
- d. Enabling NLP service will allow the 'Data Search' bar provided on the Storyboard of the Business Story to display data from the selected data store.
- e. Users can filter the created data stores by data source. The Data Store list page has been provided by a filter, users need to select a data source using it.

Data	Center						NE	w
***	Data Connectors	Defa Source Select Data Source						
	Data Sets							
	Data Store	Search Data Stores						
	Data-Store Meta Data	vj-ga-dstore-countrytrend	0	c	<	/		^
		Jira Data Store 12July_1	0	с	<	1		1
		Google Analytics Data Store 12July_1	0	G	<	/	ŧ.	
		google_datastore_12july	0	с	<	1		
		12julyjiradatastore	0	G	<	1	ŧ	
		JIRA_BS_TEST_12-July-2017	0	c	<	1		

- f. Take care of the following steps while creating a Data Store based on either Google Analytics or JIRA data connectors:
 - i. Choose a Google Analytics/JIRA data connector from the list of the data connectors.
 - ii. Select a data set based on Google Analytics/JIRA data connector from the Data Store form using a drop-down under 'Getting Data' tab.
 - iii. The rest of the steps are as described above.

3.2.7. Creating a New Data Store using a Flat File Data Connector Step 1- Getting Data

- i) Fill in the following information:
 - a. Data Store Name: Enter a data store name.
 - b. Data Connector Name: It will be preselected (Name of the selected data connector will be displayed in this field).
- ii) Click 'Choose File' to browse a file from the system.
- iii) Click 'Next' to proceed on the next tab.



0	0	0	0
Getting Data	Data Type Definition	Hierarchy Definition	Data Restrictions
Data Store Name * File_Cube Service_12-	Dec-2016		
Data Connector Name File_Data Connector_D	Dummy Application		
Choose File Rawdata	a.xisx		
			_

Note: Choose an Excel or CSV file as file data connector.

Step 2- Data Type Definition

- i) Users will be directed to choose required Dimensions, Measures, and Time options from the selected data set.
- ii) Click 'NEXT' to proceed on the next tab.

Getting Data		D	ata Type Definition				
CAFENAME	123	Q	BILLCUT	Abc	0	Time	
CITY	123	G					
STATE	123	O					
ZONE	123	Q					

Step 3- Hierarchy Definition

Define hierarchy using various dimensions and time options.

- i) Click the 'Add' option + provided on the Hierarchy Definition window.
- ii) A new 'Drill Def' box will be added.
- iii) Drag and drop the dimensions or time options to define hierarchy.
- iv) Click 'Next' to proceed on the next tab.



-Fields-						
Alte	CAFENAME	Hierarchy Defin	nition			l
Abs	CITY	Drill Def- 1				
Abc	STATE	ZONE -		- [0	NPENAME -	
Also	ZONE					

Step 4- Data Restriction

- i) Click 'Add' + to add a new box for inserting the data restriction parameter.
- ii) Fill in the following information:
 - a. Dimension: Select a dimension using the drop-down menu
 - b. User Property: Enter user property value (It should be the same as the selected dimension)
- iii) Click 'Next' to proceed on the next tab.

\checkmark	Sec. 1	\checkmark	
Getting Data	Data Type Definition	Hierarchy Definition	Data Restrictions
Dimension	User Property	+	
CAFENAME	*		
OTH	- City		

iv) The newly created data store will be added in the Data Store list.



Data Source					
Search Data Stores					
File connection	0	C	<	1	Î
RDX-file-conn-with-hier	0	C	<	1	Î
data store file	0	C	<	1	ii.
File_Cube Service_12-Dec-2016	0	С	<	/	Ĩ
File_Cube Service_12-Dec-2016	0	C	<	1	ii.
Test File DS	0	C	<	1	i

Note:

a. The Administrator can restrict access of data for a specific user by configuring the User Property via the 'Data Restriction' tab.

E.g. If for a user/user group '**City**' custom field value is '**Bangalore**' and the administrator passes '**City**' as User Property while creating a data store. Users for whom '**Bangalore**' was selected as value for the '**City**' custom field will be able to access data related only to Bangalore city from the data store.

- b. 'Getting Data' tab opens by default while creating a new data store.
- c. Click 'PREVIOUS' to be redirected to the previous page.
- d. Users can click 'CANCEL' to cancel the creation of a new data store at any step.

4. Signing Out

Follow the below-given steps to sign out from the BizViz Platform.

- i) Click the 'User' icon 📩 on the Platform home page.
- ii) A menu appears with the logged in user details.
- iii) Click 'Sign Out'
- iv) Users will be successfully logged out from the **BizViz Platform**.

Note: Clicking on 'Sign Out' will redirect the user back to the 'Login' page of the BizViz platform.