

How to Guide

Create and Update a Data Pipeline

Version: Release 1.1

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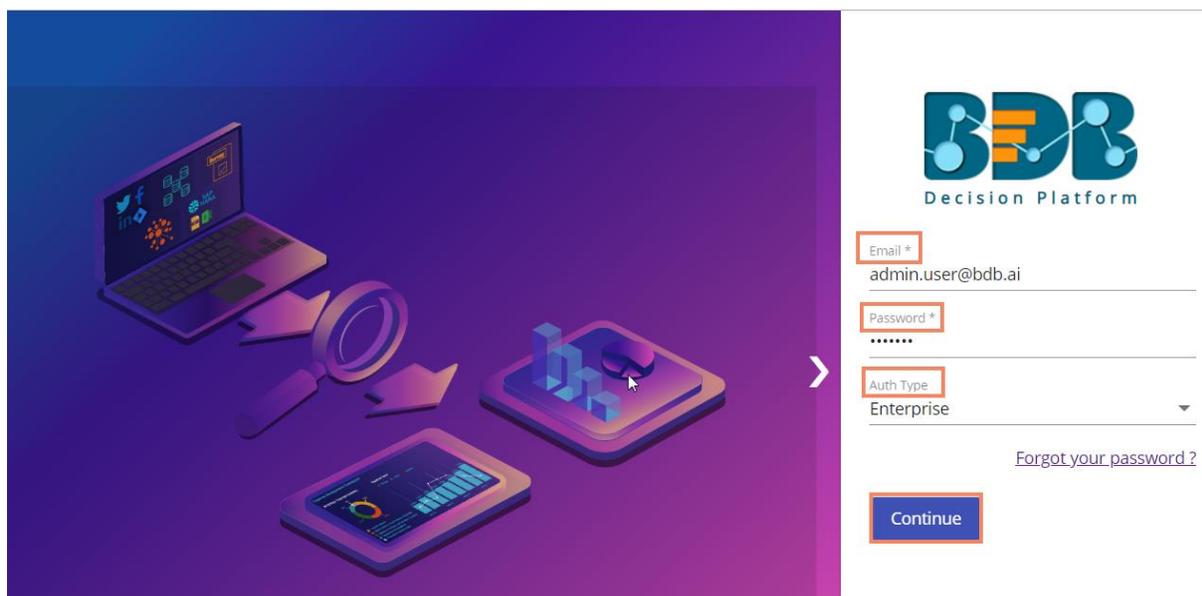
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1. Introducing the BDB Data Pipeline

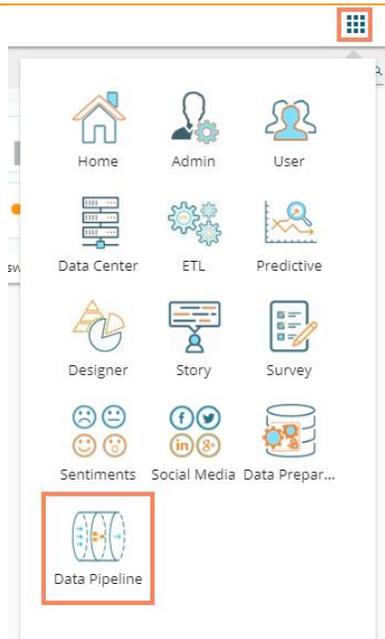
Discover the real power of Big Data Analytics with BDB Pipeline. Gain seamless insights into a massive amount of structured, semi-structured, and unstructured data. Support your decisions with advanced Machine Learning Algorithms and Visualization techniques, all in one go.

2. Getting Started with the BDB Data Pipeline

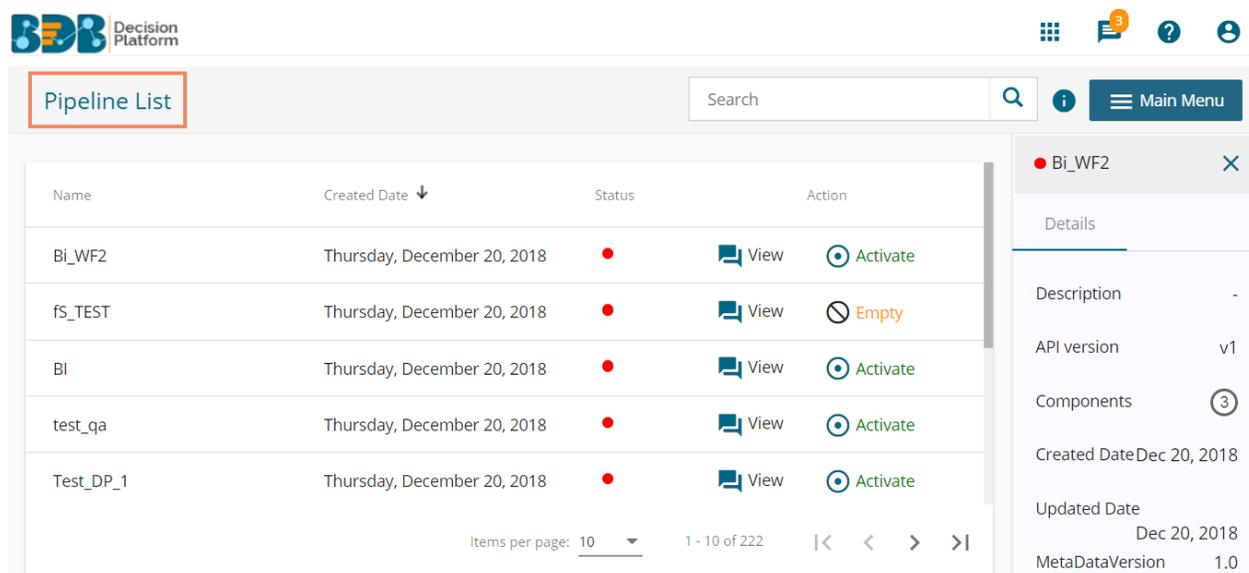
1. Browse the BDB Enterprise URL link: <https://app.bdb.ai>
2. The BDB Login page opens
3. Login to the BDB Platform
 - a. Enter user specific credentials (Email ID with valid Password)
 - b. Select an authentication type using the drop-down
 - c. Click the 'Continue' option



4. The BDB Platform homepage opens
5. Make sure that the user has permission to access the Data Pipeline plugin
6. Click the Apps menu
7. Select the Data Pipeline Plugin

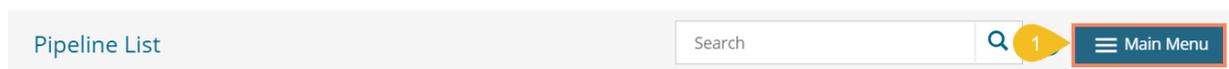


8. Data Pipeline landing page opens displaying the Pipeline list in a new window.



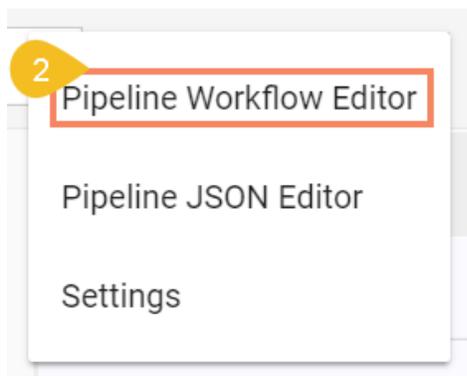
3. Creating a New Data Pipeline

1. Navigate to the Datapipeline landing page
2. Click the 'Main Menu' option provided on the top right side of the page.

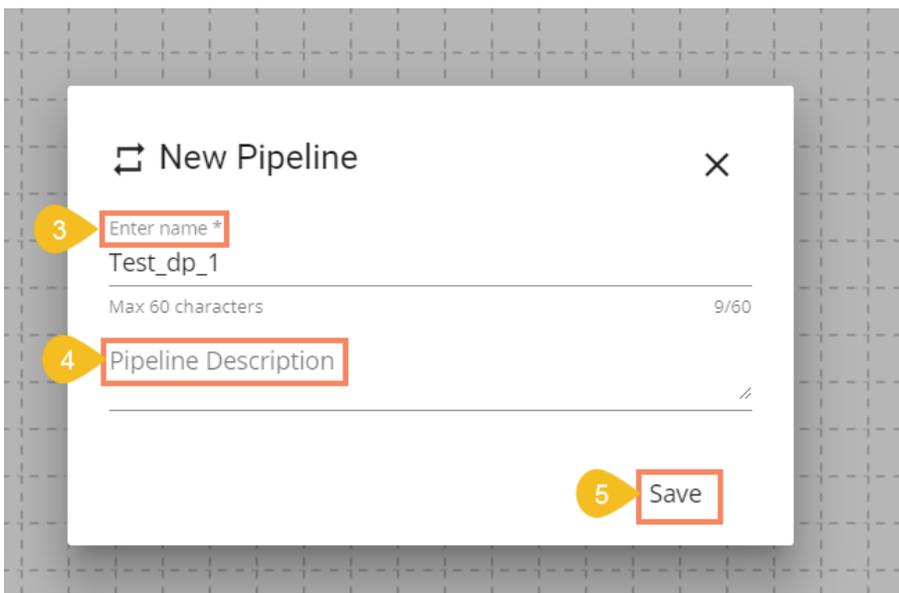


3. A context menu opens with the below given options:

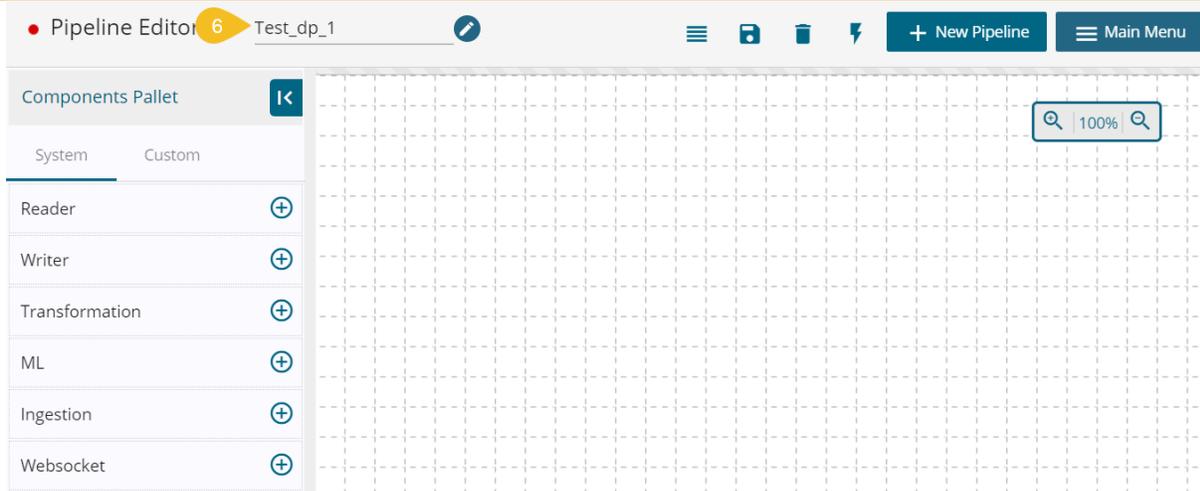
- a. Pipeline Workflow Editor
 - b. Pipeline JSON Editor
 - c. Settings
4. Select the Pipeline Workflow Editor from the context menu



5. Pipeline Editor page opens with a pop-up window to create New Pipeline (dialog box)
6. Provide the following information to create a new pipeline:
- a. Pipeline Name
 - b. Description (Optional)
 - c. Click the 'Save' option



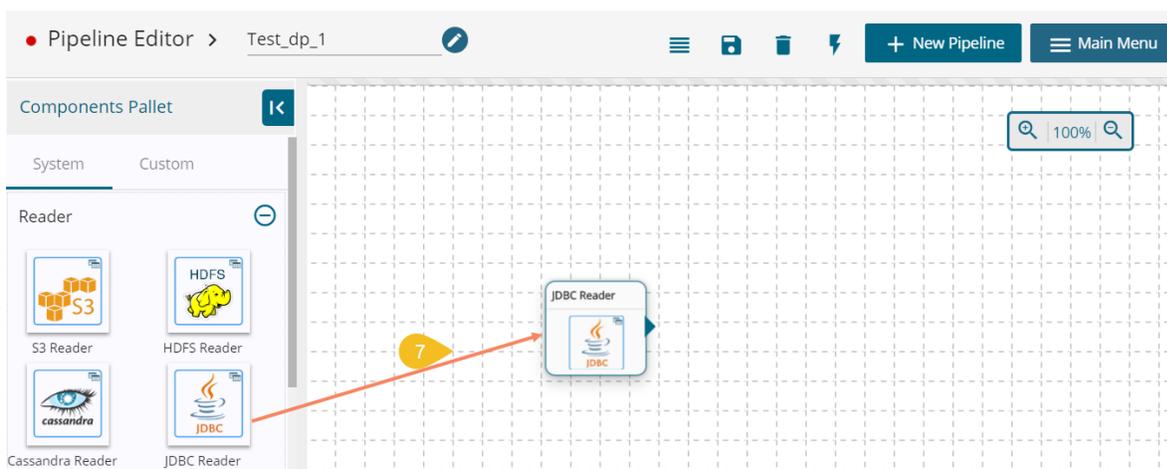
7. The Pipeline Editor page opens for the newly created pipeline



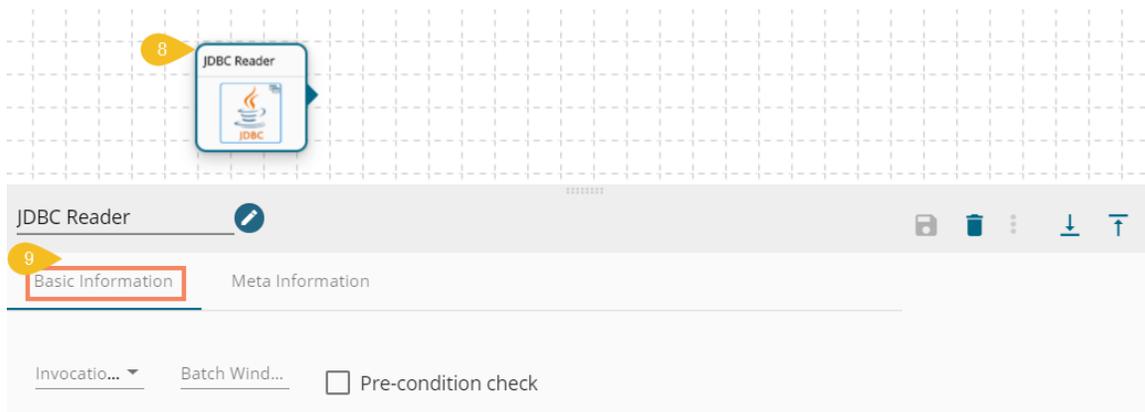
The icons and options provided on the Pipeline Editor page

Icon/Option	Name	Function
	Open/ Close the Components Pallet	Opens or Closes the Component Pallet
	Edit the Pipeline Name	Allows to modify or change the given Pipeline name
	Toggle Log Panel	Displays the background activities
	Update Pipeline	Saves and updates the pipeline
	Delete Pipeline	Deletes the pipeline
	Toggle Event Panel	Opens the event panel to create and display events
	New Pipeline	Displays a window to assure whether user wants to save the pipeline changes
	Main Menu	Opens a context menu with the below given options: <ol style="list-style-type: none"> Pipeline JSON Editor List Pipeline Settings

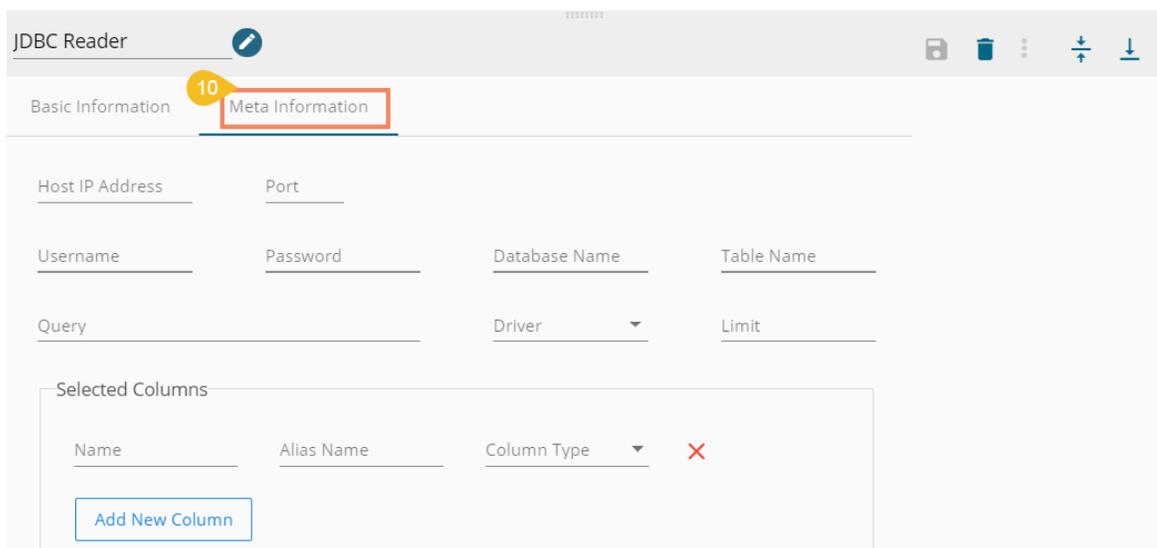
8. Drag and drop the required components to the workspace. (E.g., JDBC Reader is dragged to the workspace in the below given image)



9. Click on the component
10. Provide the following information about the dragged component
 - a. Basic Information

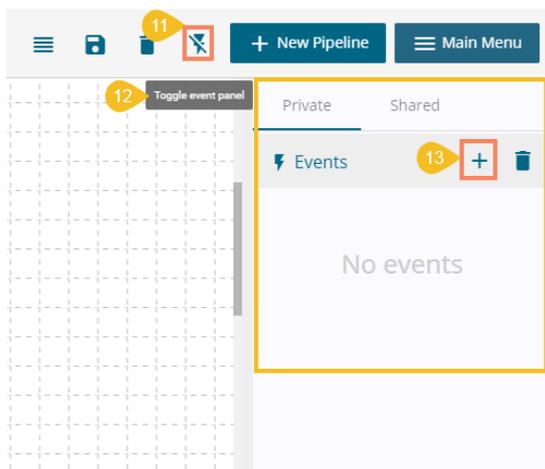


- b. Meta Information
 - i. Host IP Address
 - ii. Port number
 - iii. Username
 - iv. Password
 - v. Database Name
 - vi. Table Name
 - vii. Query
 - viii. Driver -select from the drop-down
 - ix. Limit
 - x. Selected Columns
 1. Name
 2. Alias Name
 3. Column Type



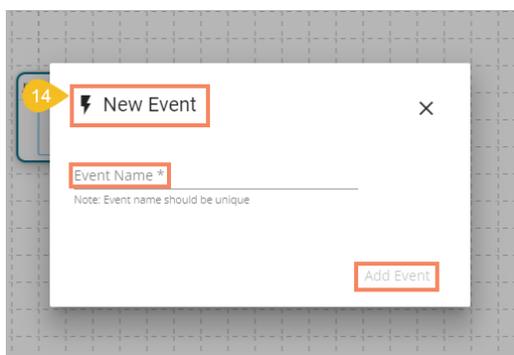
11. Click the 'Toggle Event Panel' option
12. The Event Panel opens on the right side of the page

13. Click the 'Add New Event' icon

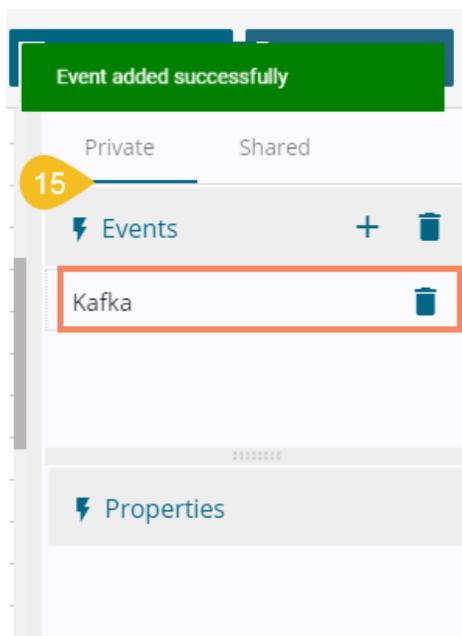


14. The 'New Event' window opens

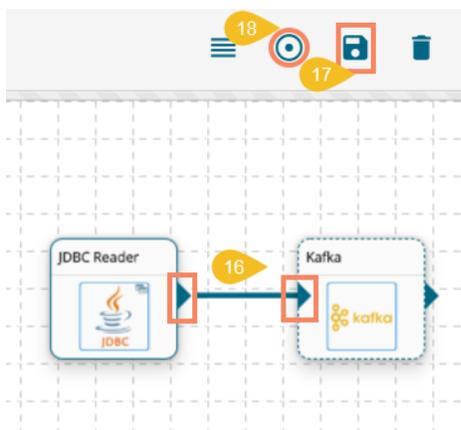
- a. Provide Event Name
- b. Click the 'Add Event' option



15. A success message appears, and the new event gets added to the event panel



16. Drag the event onto the workspace and Connect it with the dragged component (To connect clicking output node of the component and input node of event)
17. Click the **'Save'** icon to save the created pipeline
18. The **'Activate Pipeline'** option appears after the newly created pipeline gets saved



19. The newly created pipeline appears at the top of the Pipeline List

Pipeline List

Search 🔍 ℹ️ ☰ Main Menu

Name	Created Date ↓	Status	Action
19 Test_dp_1	Friday, December 21, 2018	●	📄 View 🔴 Activate
BI_WF3	Friday, December 21, 2018	●	📄 View 🚫 Empty
test_DP_1	Friday, December 21, 2018	●	📄 View 🚫 Empty
BI_WF2	Thursday, December 20, 2018	●	📄 View 🔴 Activate
FS_TEST	Thursday, December 20, 2018	●	📄 View 🚫 Empty
BI	Thursday, December 20, 2018	●	📄 View 🔴 Activate

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● Test_dp_1 ✕

Details

Description -

API version v1

Components ①

Created Date Dec 21, 2018

Updated Date Dec 21, 2018

MetaDataVersion 1.0

4. Updating a Data Pipeline

1. Navigate to Pipeline List using the Main Menu option
2. Select the pipeline you want to update from the list and click **'View'** icon

Pipeline List

Search Q i ☰ Main Menu

Name	Created Date ↓	Status	Action
Test_dp_1	Friday, December 21, 2018	●	View 2 ⊕ Activate
BI_WF3	Friday, December 21, 2018	●	View ⊖ Empty
test_DP_1	Friday, December 21, 2018	●	View ⊖ Empty
BI_WF2	Thursday, December 20, 2018	●	View ⊕ Activate
fs_TEST	Thursday, December 20, 2018	●	View ⊖ Empty
BI	Thursday, December 20, 2018	●	View ⊕ Activate

Items per page: 10 1 - 10 of 225 ⏪ ⏩

● Test_dp_1 ✕

Details

Description -

API version v1

Components ①

Created Date Dec 21, 2018

Updated Date Dec 21, 2018

MetaDataVersion 1.0

3. The workflow screen (Pipeline Editor) re-opens for the selected pipeline



4. The user can modify or remove the existing components, drag new components to the selected pipeline
E.g., In the below given image displays ES Reader connected with the Kafka event.

5. Click the 'Update Pipeline' icon to update the pipeline

