An Analance Datasource collects data from various data sources using over 40 enterprise connectors. Seamlessly connect with multiple databases utilizing a step by step wizard to create a data connection and data set(s). Transform data into visually appealing, interactive visualizations called dashboards.

**FEATURES**
1. Seamlessly integrate heterogeneous data from different data sources.
2. Perform sophisticated and detailed data analysis to make meaningful business decisions.
3. Connect with 40 different data connectors to fetch data.
4. Associate data stored in different data sources to access related data.

**KEY BENEFITS**
1. Get a 360° view of business data by connecting with multiple data sources.
2. Perform wide range of data analysis with data from different data sources.

---

**Datasource - Workflow** *(The following is the workflow to add a Datasource : )*

**PREREQUISITES**
1. Data must be available in any one of different data connector formats supported by Analance.

---

**RELATIONAL DATABASES**
- Oracle
- MySQL
- PostgreSQL
- Teradata
- SQL Server
- Access
- IBM DB2
- SQLite
- MariaDB

**BIG DATA**
- Hortonworks
- Impala
- MapR
- Hive
- Apache Drill
- Solr
- Elasticsearch
- Hadoop

**API**
- SharePoint
- OData

**FILE**
- XLS
- CSV
- JSON
- XML

**SOCIAL MEDIA**
- Facebook
- Twitter

**CUBES**
- SQL Server
- Analysis Services
Create a Datasource

01. ADD A DATASOURCE:
1. Login to Analance using your Analance URL.
2. Click Business Intelligence or Advanced Analytics.
3. Click Add (+) > Datasource.

02. CREATE A DATASOURCE:
1. In the Folder explorer, select or add a folder for the Datasource.
2. Type the name and description of the Datasource.
3. Select a Connection type.
4. Click Create.

Note: With the In memory connection type, data in the Datasource must be refreshed/fetched manually each time it is used. With the Live connection type, data in the Datasource is always visible and up-to-date.
1. Select an import option.
2. Click Next.

<table>
<thead>
<tr>
<th>Import Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build a query</td>
<td>Use a step-by-step graphical wizard to build a customized query that imports a database table.</td>
</tr>
<tr>
<td>Type a query</td>
<td>Paste or type a query to import a database table.</td>
</tr>
<tr>
<td>Pick tables</td>
<td>Select a single or multiple tables to import.</td>
</tr>
</tbody>
</table>
05 CONNECT YOUR DATA:

1. Click Add (+).
2. Select the options for the data connection. The options vary depending on the data connector type and all the options may not be listed here.

<table>
<thead>
<tr>
<th>Data connector type</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDBMS</td>
<td>Type the access information for the database, including the server name/IP address, port number, database name, username, and password.</td>
</tr>
<tr>
<td>Files</td>
<td>Drag and drop the files.</td>
</tr>
<tr>
<td>API</td>
<td>Type the service data URL and select the authentication type.</td>
</tr>
<tr>
<td>Social Media</td>
<td>Type search parameters and authentication pin.</td>
</tr>
<tr>
<td>Big Data</td>
<td>Type the access information for the database, including the server name/IP address, port number, database name, username, and password.</td>
</tr>
<tr>
<td>OLAP</td>
<td>Type the access information for the database, including the server name/IP address, cube name, database name, username, and password.</td>
</tr>
</tbody>
</table>

3. Click Next.

06 SELECT DATA – QUERY BUILDER:

Create a customized query to build a data set from multiple tables.
07 SET RELATIONSHIP & PREVIEW:

Join tables by setting relationship with multiple tables.
The preview of fetched data is visible to make any changes.

Add filters to your datasource to view your selection of records.

<table>
<thead>
<tr>
<th>ProductName</th>
<th>CategoryName</th>
<th>QuantityPerUnit</th>
<th>CategoryID</th>
<th>SupplierID</th>
<th>ProductID</th>
<th>UnitInStock</th>
<th>UnitsOnOrder</th>
<th>ReorderLevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chai</td>
<td>Beverages</td>
<td>10 boxes x 20 bags</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>39</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>Chang</td>
<td>Beverages</td>
<td>24 - 12 oz bottles</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>17</td>
<td>40</td>
<td>25</td>
</tr>
<tr>
<td>Sassauch Ale</td>
<td>Beverages</td>
<td>24 - 12 oz bottles</td>
<td>1</td>
<td>1</td>
<td>16</td>
<td>151</td>
<td>0</td>
<td>15</td>
</tr>
<tr>
<td>Steelye Stout</td>
<td>Beverages</td>
<td>24 - 12 oz bottles</td>
<td>1</td>
<td>1</td>
<td>16</td>
<td>35</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Cte de Blaye</td>
<td>Beverages</td>
<td>12 - 75 cl bottles</td>
<td>1</td>
<td>1</td>
<td>18</td>
<td>38</td>
<td>17</td>
<td>0</td>
</tr>
<tr>
<td>Chartreuse verte</td>
<td>Beverages</td>
<td>750 cc per bottle</td>
<td>1</td>
<td>1</td>
<td>18</td>
<td>39</td>
<td>69</td>
<td>0</td>
</tr>
<tr>
<td>Spah Coffee</td>
<td>Beverages</td>
<td>16 - 500 g tins</td>
<td>1</td>
<td>1</td>
<td>20</td>
<td>43</td>
<td>17</td>
<td>10</td>
</tr>
<tr>
<td>Laughing Lumberjack Lag...</td>
<td>Beverages</td>
<td>24 - 12 oz bottles</td>
<td>1</td>
<td>1</td>
<td>16</td>
<td>67</td>
<td>52</td>
<td>0</td>
</tr>
<tr>
<td>Outback Lager</td>
<td>Beverages</td>
<td>24 - 255 ml bottles</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td>70</td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td>Rheinu Klosterbrer</td>
<td>Beverages</td>
<td>24 - 0.5 l bottles</td>
<td>1</td>
<td>1</td>
<td>12</td>
<td>75</td>
<td>125</td>
<td>0</td>
</tr>
<tr>
<td>Lakkaikiri</td>
<td>Beverages</td>
<td>500 ml</td>
<td>1</td>
<td>1</td>
<td>22</td>
<td>76</td>
<td>57</td>
<td>0</td>
</tr>
<tr>
<td>Aniseed Syrup</td>
<td>Condiments</td>
<td>12 - 550 ml bottles</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>13</td>
<td>70</td>
<td>25</td>
</tr>
<tr>
<td>Chef Anton's Cajun Season...</td>
<td>Condiments</td>
<td>48 - 6 oz jars</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>52</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Grandma's Boysenberry S...</td>
<td>Condiments</td>
<td>12 - 8 oz jars</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>120</td>
<td>0</td>
<td>25</td>
</tr>
</tbody>
</table>