Data Analysis Tool Compatibility Assessment

Version: 1

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Part 1: Partner Information (PARTNER FILLS OUT)

Submission Date: Oct 24, 2024

Name of tool: <>

Vendor: <>

Tool version: <>

Reporter's (your) name: <>

Reporter's company: <>

Reporter's email: <>

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Part 2: Summary Results (PARTNER FILLS OUT)

Test Results

1. Connectivity Tests
    a. Does your tool connect to AtScale? **Yes / No**
2. Metadata Tests
    a. Does the tool list the AtScale catalog(s) and data model(s)? **Yes / No**
    b. Does the tool allow a data preview (e.g., sample 100 rows) from the metadata? **Yes / No**
    c. If so, can it retrieve rows? **Yes / No**
        i. AtScale doesn't support a "SELECT *"
    d. Does your tool list all elements with their appropriate data format? **Yes / No**
    e. Can your tool show user-friendly field names instead of just the query names? **Yes / No**
    f. Can the tool show hierarchies - including multiple hierarchies within a dimension? **Yes / No**
    g. Can hierarchies enforce drill-down paths? **Yes / No**
    h. Can the tool show secondary attributes? **Yes / No**
    i. Can the tool represent folders - folders organizing both measures and dimensions? **Yes / No**
3. Query Tests
    a. Visualization
        i. Tests passed: **X out of 8**
    b. Filtering
        i. Tests passed: **X out of 4**
    c. Sorting
        i. Tests passed: **X out of 2**

Incompatibilities

1. *Fill in any relevant details here*

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Part 3: Partner Resources

For MDX or DAX, use the Microsoft SQL Server Analysis Server driver.
For SQL, use Postgres driver. If known, driver version: unknown SaaS

You should have been able to access our external facing partners' site for querying. You will not be required to do so, but please contact us if you want UI access (https://partners.cloud.atscale.com/). Authentication will be using a username and password; use the credentials provided to you.

Please use the following details to connect.

Free Developer (Community) Edition

Download the free version of AtScale at https://www.atscale.com/community.

For examples of integrating custom applications, see this repository: https://github.com/AtScaleInc/atscale-examples.

For open-sourced Semantic Modeling Language (SML) documentation, see this repository: https://github.com/semanticdatalayer/SML.

Partner Development Server (For SaaS Tools)

Unset

Server: 135-148-233-189.atscaleselfservice.com
Port: 15432
Catalog/Database Name: AdventureWorksDW2012_main

JDBC/XMLA Connection Strings

Unset

SQL:
jdbc:postgresql://135-148-233-189.atscaleselfservice.com:15432/AdventureWorksDW2012_main

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ODBC: 135-148-233-189.atscaleselfservice.com:11111

MDX | DAX: https://135-148-233-189.atscaleselfservice.com/engine/xmla

Part 4: Connection Instructions (PARTNER FILLS OUT)

Screenshots documenting tool connectivity steps

Please document below how to connect to AtScale.

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Special Notes

1.

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Part 5: Metadata Integration (PARTNER FILLS OUT)

Please note: "Catalog" and "Database" are analogous in the data analytics industry. AtScale shares the term "Data Models," but an analytics tool might list this under "Tables." In a DB context (using Postgres driver), you might see "database" and "table"; this would correspond to an AtScale "catalog" and "data model."

Please paste in the image of the catalog and data model structure:

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Part 6: Basic Query Testing (PARTNER FILLS OUT)

This section tests the essential functions of your data analysis tool, such as making graphs and ensuring that your information is correct.

Visualization

Please include tool screenshots that demonstrate the following capabilities.

1. Create a visualization using the "Internet Sales Amount" measure that shows a value of **29,358,677**

2. Create a visualization that shows a table of "Internet Sales Amount" by "Category" that shows the following results:

Accessories	700,760
Bikes	28,318,145
Clothing	339,773

3. Expand the hierarchy of category into Category, Subcategory and Product

4. Then add another attribute, "Reporting Day2" to your table. It should present the same information as below.

Reporting Day2

Category	2005	2006	2007	2008
Accessories	0	0	293,710	407,050
Bikes	3,266,374	6,530,344	9,359,103	9,162,325
Clothing	0	0	138,248	201,525

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5. Next, change the table into a pie chart

6. Next, change the pie chart into a bar graph

7. Remove all previous measures/dimensions besides “Internet Sales Amount” and add in “Country2”. You should see the following information.

Australia	9,061,001
Canada	1,977,845
France	2,644,018
Germany	2,894,312
United Kingdom	3,391,712
United States	9,389,790

8. Change this table into a geological map

Filtering

1. Remove all previous content, insert “Category” and “Internet Sales Amount”, then filter so only “Accessories” are shown. You should get **700,760** for the amount of sales from “Accessories”.

2. Next, add “Customer Country” and expand the filter to “Accessories” and “Bikes” so that the output looks similar to the following.

Customer Country	Accessories	Bikes
Australia	138,691	8,852,050
Canada	103,378	1,821,302
France	63,407	2,553,576

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Germany	62,233	2,808,514
United Kingdom	76,630	3,282,843
United States	256,422	8,999,860

3. Reset the filter and edit to **exclude** all “Categories” besides “Clothes”.

4. Reset the filter and edit it to show only the “Categories” with the phrase “ess” in it.

Sorting

1. Clear everything and add “Reporting Day” and “Internet Order Count”. Sort the dates by ascending and descending order

2. Remove “List Price” and add “Country2”. Sort the counties in alphabetical order.