



Data Analysis Guide

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InterSystems® Data Fabric Studio™ Version 2.10

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Welcome, Data Analysts (2.10)

[InterSystems Data Fabric Studio™](#) is designed to bring together disparate data sources and transform them into a single source of truth—actionable, decision-ready data. Data engineers set up the [automation](#) to load data, and then you can take advantage of the data in any way that you choose.

Data Fabric Studio was designed for a specific set of overlapping [use cases](#), and you can tailor your solution to include any parts of these cases that apply to you.

1.1 Use Modes

Data Fabric Studio provides a built-in [analytics option](#), which enables you to build cubes that you can then use to create dashboards. You can also connect external analytics or reporting tools to these cubes.

To complement that option, it is also possible to connect directly to the tables in Data Fabric Studio via [JDBC](#) or [ODBC](#).

1.2 See Also

- [Defining Cubes](#)
- [Accessing Your Data via JDBC](#)
- [Accessing Your Data via ODBC](#)
- [Data Engineering Guide](#)
- [About Your Solution: What Is Not Documented](#)

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Defining Cubes (2.10)

InterSystems Data Fabric Studio™ includes InterSystems IRIS® Adaptive Analytics, a Business Intelligence tool powered by co-development with AtScale. This means that data analysts and data engineers can define cubes based on data in Data Fabric Studio, and then use those cubes for analytics.

You can also connect reporting tools or other analytics tools to these cubes, as described in the [AtScale documentation](#).

2.1 Outline of Steps

You will need the [AtScale documentation](#) for details, but the general process is as follows:

1. Log on to the AtScale system, which has a different user interface.
2. Add a data warehouse that consists of the tables in Data Fabric Studio.
3. Define cubes based on those tables.
4. When appropriate, publish those cubes so that they can be used.
5. Then, within the main user interface for Data Fabric Studio, use the [Business Scheduler](#) to schedule the building of those cubes. Because it is best for the cubes to always display the most recent data, make sure to build any cube immediately after any necessary data is loaded; see [Managing Task Dependencies](#).

2.2 See Also

- [AtScale documentation](#)
- [Configuring the Adaptive Analytics Connection](#)
- [Scheduling and Running Tasks](#) (for scheduling cube builds)
- [Viewing Cube Build Information](#)


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Viewing Cube Build Information (2.10)

If InterSystems Data Fabric Studio™ has been configured to have a [connection to InterSystems IRIS® Adaptive Analytics](#) (AtScale), the [Business Scheduler](#) can build cubes. There is also an easy way to see the cube build information.

3.1 Viewing Cube Build Information

To view all the available cubes and the most recent build information for each:

1. Click the Analytics  icon in the application menu.
2. Click **Cubes**.

The system then displays a table listing all the available cubes. This table provides the following information for each cube:

- **Status**—Status of the most recent cube build.
- **Organization**—Name of the organization that owns the project to which cube belongs.
- **Project**—Name of the project to which this cube belongs.
- **Cube**—Name of the cube.
- **Publish Date**—Date and time when the project was published.
- **Build Start**—Date and time when the cube build was started.
- **Build End**—Date and time when the cube build was completed.
- **Build Time**—Length of time for the cube build to complete. If the cube build is underway, this is the current duration.
- **Error Details**—Information about any errors during the cube build.
- **Visual Trace**—Provides a link to a trace session (for internal use).
- **Build Aggregates**—Button for the user to click to trigger a build. This button is disabled if the cube is currently being built.

3.2 Filtering the Cube Build Information

If this page has a large number of cubes, you may want to use the filters on the top of the page. These filters work as follows:

- **Organization**—Displays only the cubes that belong to a specific organization.
- **Project** —Displays only the cubes that belong to a specific AtScale project.
- **Cube**—Displays only the cubes whose name match the given string.

3.3 See Also

- [AtScale documentation](#)
- [Scheduling and Running Tasks](#) (for scheduling cube builds)
- [Configuring the Adaptive Analytics Connection](#)

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Accessing Your Data via JDBC (2.10)

InterSystems Data Fabric Studio™ supports JDBC access to its tables.

4.1 Outline of Steps

To access tables within Data Fabric Studio via JDBC:

1. Obtain the JDBC connection string for the Data Fabric Studio database.
2. Use the connection string to connect just as you would with any other JDBC-compliant database.

4.2 See Also

- [JDBC for Relational Access](#)

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Accessing Your Data via ODBC (2.10)

InterSystems Data Fabric Studio™ supports ODBC access to its tables.

5.1 Outline of Steps

To access tables within Data Fabric Studio via ODBC:

1. Obtain the appropriate ODBC driver. You can download drivers for Windows, Linux, and macOS from the [InterSystems IRIS Drivers page](#).
2. Define a DSN to refer to the Data Fabric Studio database.
The details depend upon the platform; see available links at [Using the InterSystems ODBC Driver](#).
3. Use the DSN to connect to that database as you would with any other ODBC-compliant database.

5.2 See Also

- [InterSystems IRIS Drivers page](#)
- [Getting Started: ODBC Connections to InterSystems Databases](#)

