

Creating Projects

A project is a container for one or more AtScale logical cubes, plus the datasets the cubes are based on.

Projects allow you to share datasets and dimensions between a collection of similar cubes. For example, you can create a different cube for your marketing and product teams based on the same clickstream data. The project contains the *physical* datasets and *logical* dimensions that can be shared between the different cubes in the project.

To make a project available to BI client tools, you must publish it. To the BI client tools that connect to AtScale, a published project looks like a database and a published cube looks like a table in a database.

Viewing Projects

You have many options for creating project with cubes in AtScale. After you create one or more projects, click the Cubes tab in the left-hand Projects pane. Click **Projects** at the top to display the pane. From there, you can click **New Project** on the right to create another project.

If you are working in the Design Center and want to view projects, click the **Projects** tab at the far left.

Creating Cubes

Most projects will have just one cube. In fact, when you create a new project in AtScale, it contains one cube with the same name as the project. You can add a cube to a project when the project is in a draft state (not yet published).

To add a new cube to a draft project:

1. On the **Projects** pane at the left of the **Projects** tab, select the draft project.
2. Click **+ New Cube**.
3. In the Add New Cube dialog box, enter the cube name and an optional description and specify whether you want to grant access to all users.
4. Click **Add Cube**, and the new cube will appear under the project.

Options for Creating Projects

- [Start from Scratch](#) When you create a brand new project, rather than import a project definition, a cube name is created within the project.
- [Use a Sample](#) Use an AtScale sample project to begin learning about modeling cubes.
- [Use Existing XML](#) Use existing AtScale XML for a project to extend or troubleshoot.
- [Import from Tableau](#) Import Tableau files to create a project in AtScale.
- [Import from SSAS](#) Import from a Microsoft SQL Server Analysis Services (SSAS) model.
- [Updating Project Definitions to Overwrite Projects](#) You can overwrite the definition of an existing project (and its contained cubes) by importing an entire project definition file into an existing project.
- [Using Existing Project Definitions to Create New Projects](#) You can create a project by importing the project definition file exported from another project. This allows you to use another project as the basis for a new one.

- [Import from InterSystems IRIS](#) You can convert InterSystems IRIS Business Intelligence models to AtS