

# 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 may want to 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, they appear on 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 default 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 to allow 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 of the same 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 all of 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 AtScale models.