

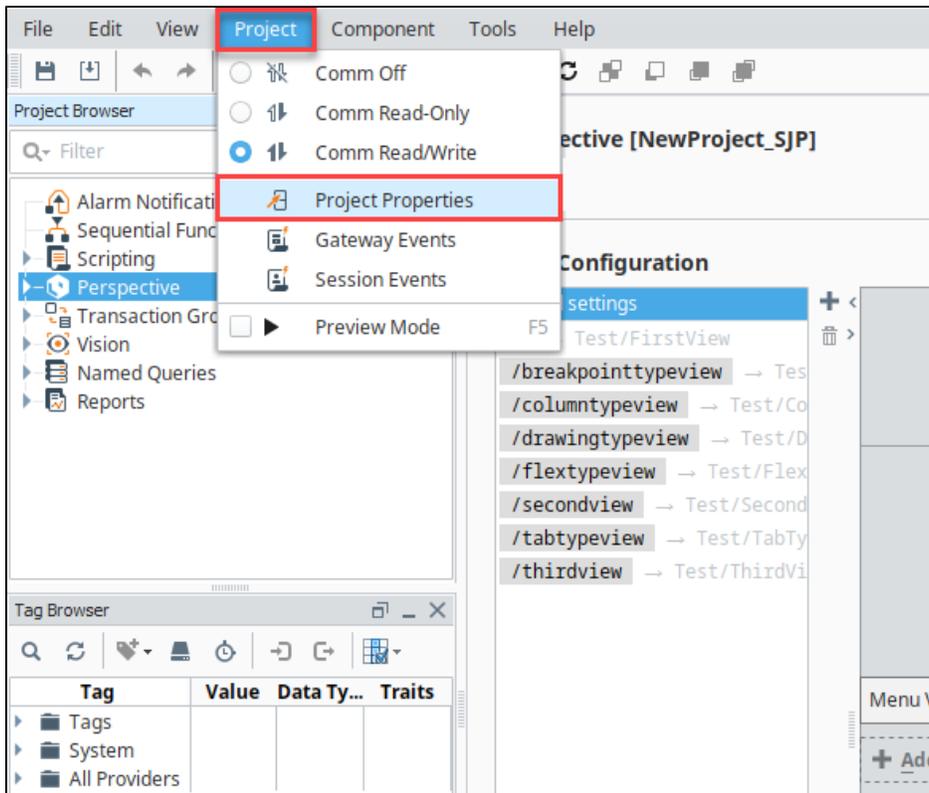
Project Properties

There are a number of properties you can set for your projects within the Designer, Vision Clients, Perspective Sessions. For example, there are properties for setting the touchscreen mode, customizing a client's auto-login, or configuring how the clients receive updates, and many more.

The property settings on the **Project Property** window apply to the whole project. This page identifies and describes all the available project properties.

Accessing Project Properties

In the Designer, click on **Project** tab on the menu bar at the top of the Designer, then select **Project Properties**.



The Project Properties screen is displayed. Project Properties span several functional areas each containing settings applicable to that area.

Project Properties

On this page

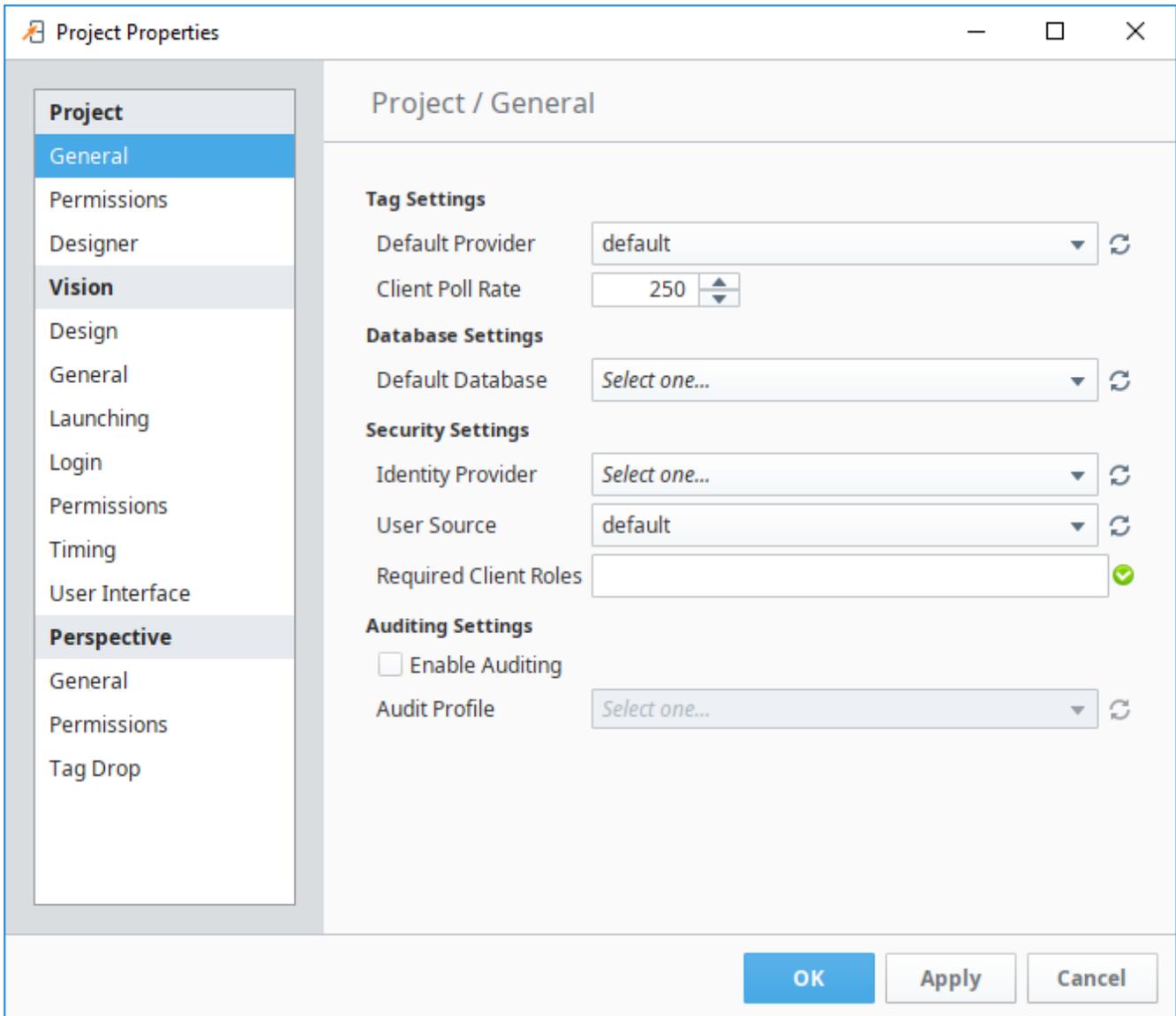
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About Project Properties

[Watch the Video](#)



A project's General properties apply to the project as a whole, across all module functionality. For a new project, there are many default settings that you can use (see next). For example, there are default settings for the Tag provider, database, publish mode, initial comm mode, window editing, and Client launching.

When properties in a section have been updated but not saved yet, the section heading will change to italicized text.

There are a few properties of a project, such as its name, description, and title that are not available from the Designer and you need to set them in the Gateway. To do so, go to the [Gateway](#), under the **Configuration > Projects** section, click on the **edit** link next to the project. You cannot edit these settings while the project is open in the Designer.

Important Concept: Defaults

Under **Project > General** is where you set the project's **Default Database** and its **Default Tag Provider**. It is important to understand how to use defaults effectively for proper project design.

Wherever you use a database connection or a Tag in a project, you are always given the option to use the project's default, or an explicitly named connection or provider. If your project is like most typical projects, it primarily uses a single database and a single Tag provider. By consistently using the **default** option, you make your project more resilient to change.

For example, suppose you have a project, and it has a database connection named `Production_DB`. Now you want to adapt the

project to a new, similar plant, while leaving the existing project intact. You copy the project and create a new database connection, named **New_DB**. If your project consistently used its default database connection, the switchover will be as simple as changing the copied project's default database. However, if you used the explicit **Production_DB** connection in your groups and screens, you will need to laboriously switch the bindings over to **New_DB**.

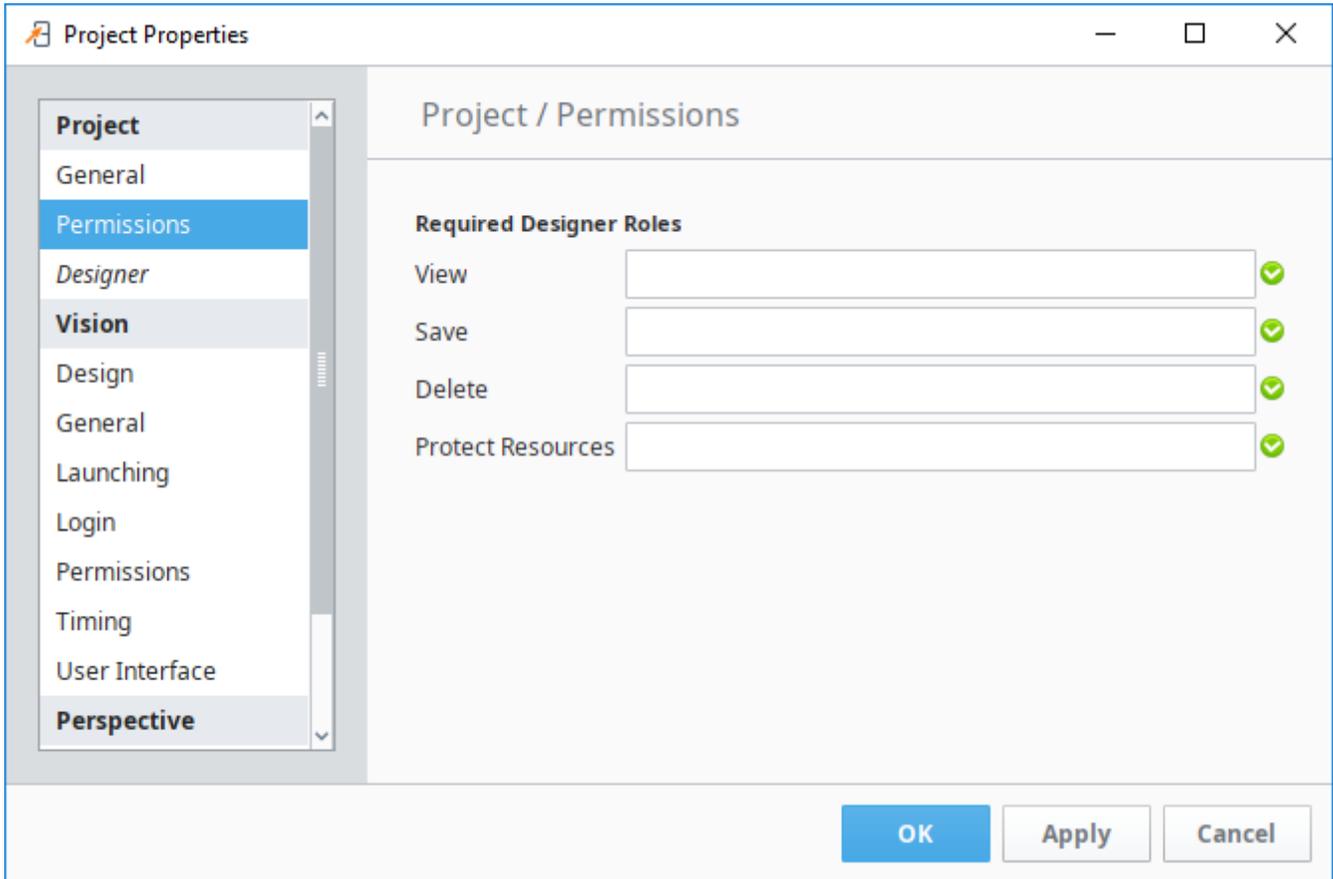
General Properties

Tag Settings	
Property	Description
Default Provider	The Tag provider chosen here will act as the project's default Tag provider. To use the default provider, simply omit the source section of a Tag path, or leave it blank, for example: <code>Path/To/MyTag</code> or <code>[]Path/To/MyTag</code> . See also: Understanding Tags .
Client Poll Rate	The Client poll rate (in milliseconds) is the rate at which a Client, Session, or Ignition Designer polls the Gateway for updates to its subscribed Tags.
Database Settings	
Default Database	This is the default database connection to use for this project. To use the default database connection, use the special <code><default></code> connection, or in scripting, the empty-string connection <code>" "</code> .
Security Settings	
Identity Provider	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>This feature is new in Ignition version 8.0.6 Click here to check out the other new features</p> </div> <p>The default Identity Provider for this project. Choose from a dropdown list of IdPs.</p>
User Source	Choose the User Source that governs this project's security: specifically, which group of users (User Sources) is allowed to log into the client. The User Sources are all defined in Gateway's Configure section under the Security > User, Roles page. Note that this is for Vision projects only.
Required Client Roles	This property is for Client logins, and determines what role(s) a user must have before they can log into the Client. You can optionally specify a list of roles that are required for a user to log into this project. Use commas to separate the roles. Users must have at least one of the roles in order to log in. If no roles are specified, the user only needs to correctly authenticate with the User Source in order to log in. To define the roles, go to the Gateway's Configure section under the Security > User, Roles page, click the manage users link, and then go to the Roles tab. See also Security .
Audit Settings	
Enable Auditing	If auditing is enabled, audit events that relate to this project will be stored in the chosen audit profile.
Audit Profile	The audit profile stores the audit events when auditing is enabled.

Permissions Properties

When opening the project in the Designer, these properties determine which roles are required when making certain changes to the project. More details can be found on the [Project Security in Designer and Gateway](#) page.

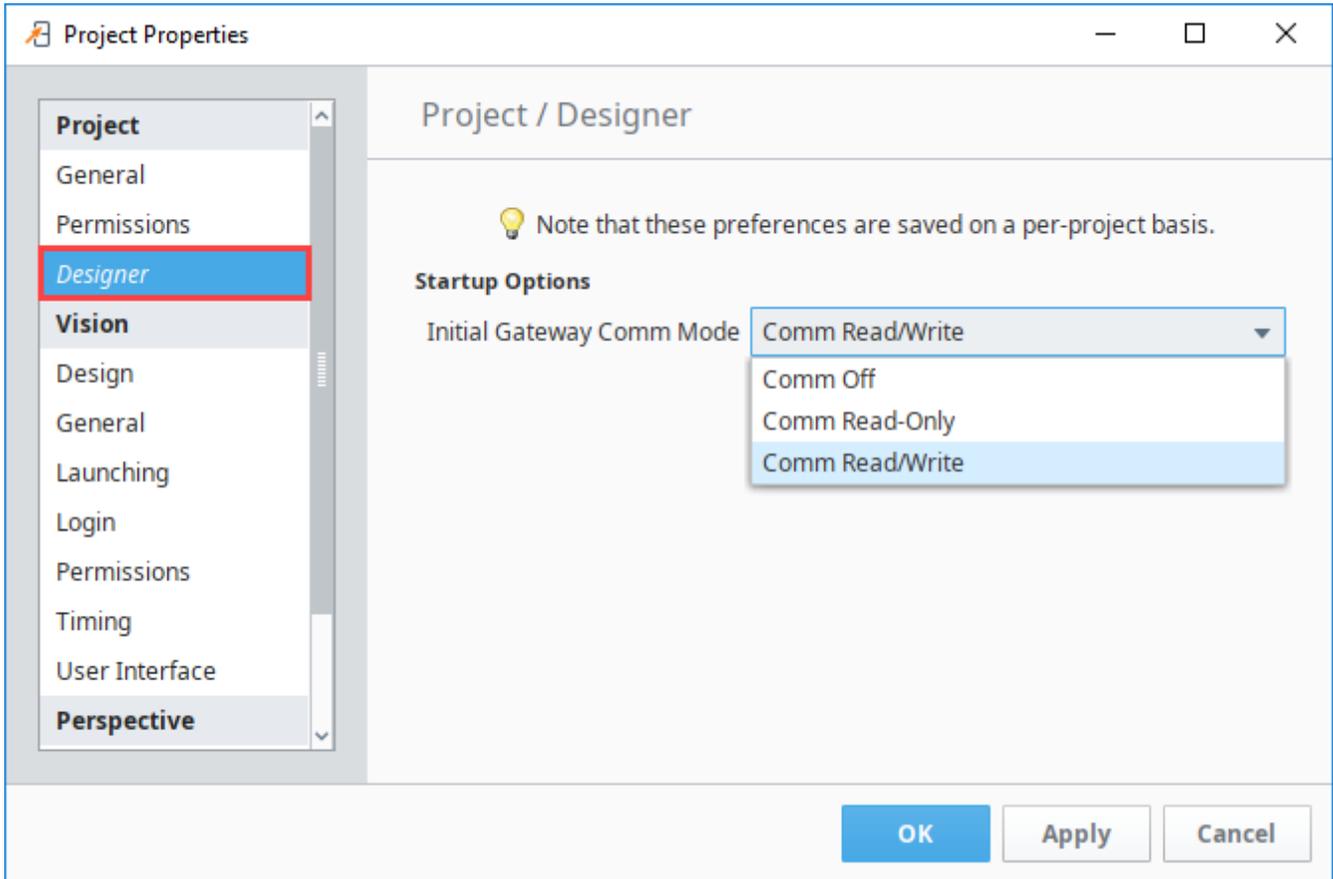
Required Designer Roles	
View	Users must have at least one of these roles to view the project in the Designer.
Save	Users must have at least one of these roles to save the project.
Delete	Users must have at least one of these roles to delete the project.
Protected Resources	Users must have at least one of these roles to access protected resources.



Designer Properties

These preferences are saved on a per-project basis.

Startup Options	
Initial Gateway Comm Mode	<p>The Designer starts up in the default Comm Read-Only mode. The property allows you to change the mode the Designer starts in when viewing the project. The options are: Comm Off, Comm Ready-Only, Comm Read/Write.</p> <ul style="list-style-type: none"> • Comm Off - In this mode, all database query traffic and Tag subscriptions and writes are blocked. • Comm Read-Only - Tag subscriptions and SELECT queries work, but Tag writes and UPDATE/INSERT/DELETE queries are blocked. • Comm Read/Write - The Designer may freely request Tag and database values from the Gateway, as well as write or change these values. <p>For more information, see the Communication Modes page.</p>



Vision Project Properties

There are many project properties that apply to Vision Clients. You can find more information at [Vision Project Properties](#).

Perspective Properties

There are many project properties that apply to Perspective Sessions. You can find more information at [Perspective Project Properties](#).