

# Project options

Every project has project related options. These options are stored together with the project data. Options are organized using [com.nomagic.magicdraw.properties.Property](#) and [com.nomagic.magicdraw.properties.PropertyManager](#) classes.

Project options belong to three categories:

1. Visible in the Project Options UI window
2. Invisible in the Project Options UI window
3. Personal invisible in the Project Options UI window

Personal options are specific to every user in a server project. It means, every user may have different values of the same option if it is marked as "personal". The personal option is treated as a regular option in a local project.

## Retrieving Project Options

Use [com.nomagic.magicdraw.core.Project.getOptions\(\)](#).

## Retrieving Project Option value

The following example shows how to access project option's value:

```
//retrieving a visible in UI option
Property property = project.getOptions().getProperty(ProjectOptions.
PROJECT_GENERAL_PROPERTIES, "TEST_PROPERTY_ID");
//retrieving an invisible in UI option
Property property = project.getOptions().getProperty(ProjectOptions.
PROJECT_INVISIBLE_PROPERTIES, "TEST_PROPERTY_ID");
//retrieving a personal invisible in UI option
Property property = project.getOptions().getProperty(ProjectOptions.
PERSONAL_INVISIBLE_PROPERTIES, "TEST_PROPERTY_ID");

//retrieving an option value
if (property != null)
{
    Object value = property.getValue();
}
```

## Adding custom project options

Configurators are used for defining a new project options.

The following example shows, how to add the project option's configurator at the plugin's [init\(\)](#) method in order to have the additional project option "Test Property" for every project.

### Related pages

- [Properties](#)

```

ProjectOptions.addConfigurator(new ProjectOptionsConfigurator()
{
    public void configure(ProjectOptions projectOptions)
    {
        com.nomagic.magicdraw.properties.Property property =
projectOptions.getProperty(ProjectOptions.PROJECT_GENERAL_PROPERTIES,
"TEST_PROPERTY_ID");
        if (property == null)
        {
            // Create a property, if it does not exist
            property = new StringProperty("TEST_PROPERTY_ID",
"description");
            // Group
            property.setGroup("MY_GROUP");
            // The custom resource provider
            property.setResourceProvider(new PropertyResourceProvider()
            {
                public String getString(String string, Property
property)
                {
                    if ("TEST_PROPERTY_ID".equals(string))
                    {
                        // Translate ID
                        return "Test Property";
                    }
                    if ("TEST_PROPERTY_ID_DESCRIPTION".equals(string))
                    {
                        // Translate a description
                        return "Test Property in My Group";
                    }
                    if ("MY_GROUP".equals(string))
                    {
                        // Translate a group
                        return "My Group";
                    }

                    return string;
                }
            });
            // Add a property
            projectOptions.addProperty(ProjectOptions.
PROJECT_GENERAL_PROPERTIES, property);
        }
    }
}

```