

添加新的自定义向导

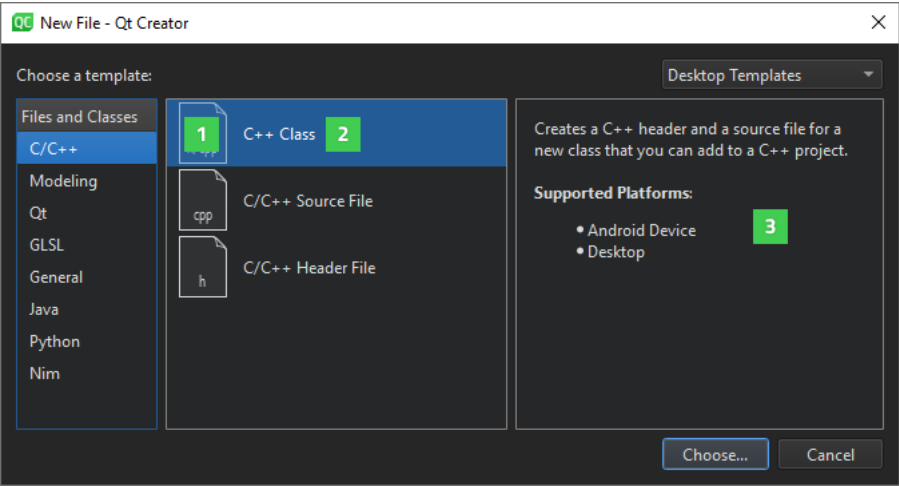
如果您有一个团队在处理一个或多个大型应用程序，您可能希望标准化团队成员创建项目和文件的方式。

您可以创建 JSON 格式的自定义向导。它们存储在向导模板目录中，其中包含调用的 JSON 配置文件和所需的任何模板文件。配置文件包含指定有关向导、可以使用的变量、以及要创建自定义向导，请将模板目录复制到共享目录或本地用户的设置目录中，并使用新名称。然后更改文件中的向导 ID。wizard.json

您可以在设置目录中为模板创建子目录。标准向导按类型组织到子目录中，但您可以将向导目录添加到所需的任何目录中。文件夹层次结构不会影响向导的显示顺序。

要与其他用户共享向导，您可以创建向导目录的存档，并指示收件人将其解压缩到 Qt Creator 搜索向导的目录中。

Qt Creator 显示它在“**新建项目**”和“**新建文件**”对话框中找到的向导。对于每个向导，将显示一个图标（1）、一个显示名称（2）和一个说明（3）。



向导类型

在项目向导中，可以指定项目中所需的文件。您可以添加向导页以允许开发人员指定项目的设置。

文件向导类似，但不包含任何项目文件。

定位向导

Qt 创建器在以下位置搜索向导：

- 共享目录：
 - 在窗口上：share\qtcreator\templates\wizards
 - 在 Linux 上：share/qtcreator/templates/wizards
 - 在苹果操作系统上：Qt Creator.app/Contents/Resources/templates/wizards
- 本地用户的设置目录：
 - 在窗口上：%APPDATA%\QtProject\qtcreator\templates\wizards
 - 在 Linux 和 macOS 上：\$HOME/.config/QtProject/qtcreator/templates/wizards

向导开发提示

为某些帮助程序操作分配键盘快捷方式，并打开详细输出。

将操作映射到键盘快捷键

Qt Creator 有一些操作可以改进向导的开发过程。默认情况下，它们不绑定到任何键盘快捷键，因此无法触发。要启用它们，请在“**编辑>首选项**”>“**环境**”>键盘>**向导**”中指定键

以下操作有助于向导开发：

操作标识	描述: _____
检查	触发此操作将打开一个窗口，其中列出了触发操作时向导中所有已定义的字段和变量。此操作的每次激活都会打开一个新的非模式窗口，因此您可以

Verbose Output

For wizard development, we recommend that you start Qt Creator with the argument to receive confirmation that Qt Creator was able to find and parse the file. The verbose mode d customwizard-verbosewizard.json

In verbose mode, each correctly set up wizard produces output along the following lines:

```
Checking "/home/jsmith/.config/QtProject/qtcreator/templates/wizards/mywizard"
for wizard.json.
* Configuration found and parsed.
```

The output includes the name of the directory that was checked for a file. If the file is not found, the message is not displayed.wizard.json

If the file contains errors, such as an invalid icon path, the following types of messages are displayed:

```
Checking "/home/jsmith/.config/QtProject/qtcreator/templates/wizards/mywizard"
for wizard.json.
* Configuration found and parsed.
* Failed to create: Icon file
"/home/jsmith/.config/QtProject/qtcreator/templates/wizards/mywizard/../../
/global/genericfilewizard.png" not found.
```

See [Using Command Line Options](#) for more information about command line arguments.

Integrating Wizards into Builds

To integrate the wizard into Qt Creator and to deliver it as part of the Qt Creator build, place the wizard files in the Qt Creator sources. Then select **Build > Run CMake** or **Run qmake**, i Creator source directory into the Qt Creator build directory as part of the next Qt Creator build.

If you do not run CMake or qmake, your new wizard will not show up because it does not exist in the build directory you run your newly built Qt Creator from. It never got copied there

Basically, CMake and qmake generate a fixed list of files to copy from the source directory to the subdirectory of the build directory that is checked for wizards at runtime. Therefore,

Using Variables in Wizards

You can use variables () in strings in the JSON configuration file and in template source files. A set of variables is predefined by the wizards and their pages. You can introduce new var {<variableName>\}optionswizard.json

There is a special variable which evaluates the given JavaScript expression and converts the resulting JavaScript value to a string. In the JavaScript expression you can refer to variable list, dictionary or boolean.%{JS:<JavaScript expression>}value('<variableName>')

In places where a boolean value is expected and a string is given, an empty string as well as the string is treated as and anything else as ."false"falsetrue

Localizing Wizards

If a setting name starts with the prefix, the value is visible to users and should be translated. If the new wizard is included in the Qt Creator sources, the translatable strings appear ir file using the following syntax:tr

```
"trDisplayName": { "C": "default", "en_US": "english", "de_DE": "deutsch" }
```

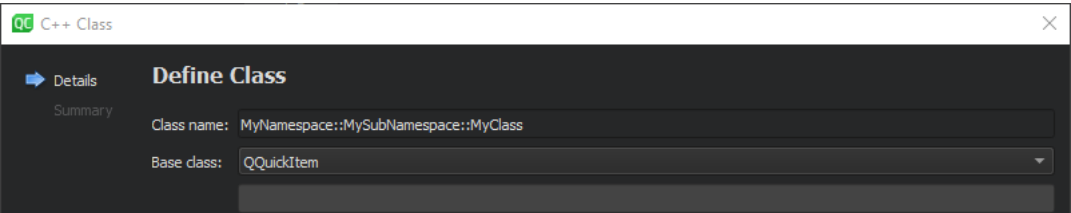
For example:

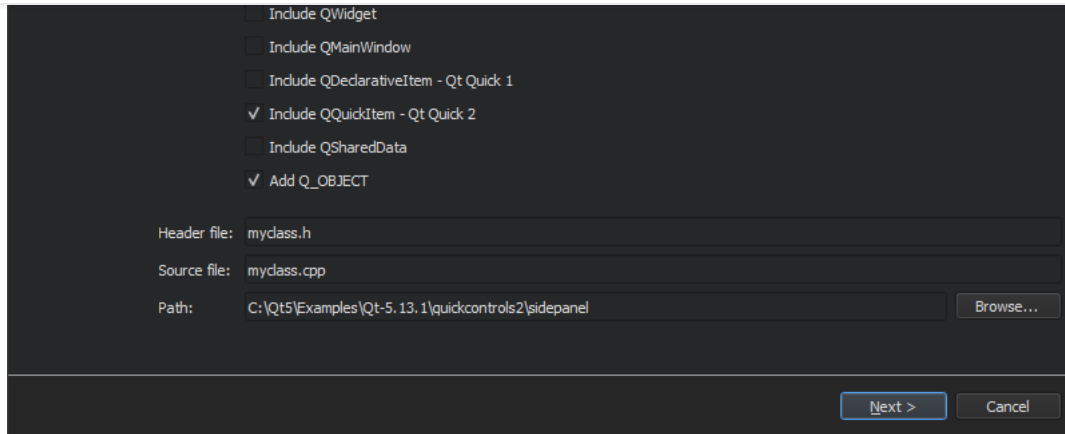
```
"trDisplayName": { "C": "Project Location", "en_US": "Project Location", "de_DE": "Projekt Verzeichnis" }
```

Creating Wizards

Qt Creator contains wizards for adding classes, files, and projects. You can use them as basis for adding your own wizards. We use the C++ wizard to explain the process and the sect

In this example, we create the wizard directory in the shared directory and integrate it in the Qt Creator build system, so that it can be deployed along with the Qt Creator binaries as par





For more information about the pages and widgets that you can add and their supported properties, see [Available Pages](#) and [Available Widgets](#).

To create a JSON-based C++ class wizard:

1. Start Qt Creator with the argument to receive feedback during wizard development. For more information, see [Verbose Output](#). -customwizard-verbose
2. Set keyboard shortcuts for the **Inspect** and **Factory.Reset** actions, as described in [Tips for Wizard Development](#).
3. Make a copy of and rename it. For example, share/qtcreator/templates/wizards/classes/cppshare/qtcreator/templates/wizards/classes/mycp
4. Use the **Factory.Reset** action to make the wizard appear in **File > New File** without restarting Qt Creator.
5. Open the wizard configuration file, for editing: wizard.json

- › The following settings determine the type of the wizard and its place in the **New File** dialog:

```
"version": 1,
"supportedProjectTypes": [ ],
"id": "A.Class",
"category": "O.C++",
```

- › `version` is the version of the file contents. Do not modify this value.
- › `supportedProjectTypes` is an optional setting that can be used to filter wizards when adding a new build target to an existing project. For example, only wiza
Possible values are the build systems supported by Qt Creator or if the build system is not specified: , , , , (qmake project),
UNKNOWN_PROJECTAutotoolsProjectManager.AutotoolsProjectCMakeProjectManager.CMakeProjectGenericProjectManager.Gene
- › `id` is the unique identifier for your wizard. Wizards are sorted by the ID in alphabetic order within the . You can use a leading letter to specify the position of the wiz
This information is available in the wizard as `.\{id\}`
- › `category` is the category in which to place the wizard in the list. You can use a leading letter to specify the position of the category in the list in the **New File** dialo
This information is available in the wizard as `.\{category\}`

- › The following settings specify the icon and text that appear in the **New File** dialog:

```
"trDescription": "Creates a C++ header and a source file for a new class that you can add to a C++ project.",
"trDisplayName": "C++ Class",
"trDisplayCategory": "C++",
"iconText": "h/cpp",
"enabled": "%{JS: value('Plugins').indexOf('CppEditor') >= 0}",
```

- › `trDescription` appears in the right-most panel when is selected.`trDisplayCategory`
This information is available in the wizard as `.\{trDescription\}`
- › `trDisplayName` appears in the middle panel when is selected.`trDisplayCategory`
This information is available in the wizard as `.\{trDisplayName\}`
- › `trDisplayCategory` appears in the **New File** dialog, under **Files and Classes**.
This information is available in the wizard as `.\{trDisplayCategory\}`
- › `icon` appears next to the in the middle panel when is selected. We recommend that you specify the path relative to the wizard.json file, but you can also use an ab
- › `iconText` determines the text overlay for the default file icon.
- › `iconKind` determines whether the icon is themed.
- › `image` specifies a path to an image (for example a screenshot) that appears below the `trDescription`
- › `featuresRequired` specifies the Qt Creator features that the wizard depends on. If a required feature is missing, the wizard is hidden. For example, if no kit has
Use if you need to express more complex logic to decide whether or not your wizard will be available.`enabled`
This information is available in the wizard as `.\{RequiredFeatures\}`

- `platformIndependent` is set to if the wizard is supported by all target platforms. By default, it is set to `true` `false`
- `enabled` is evaluated to determine whether a wizard is listed in **File > New Project** or **New File**, after has been checked. `featuresRequired`

The default value is `true`

- The section contains an array of objects with `key` and `value` attributes. You can define your own variables to use in the configuration and template source files, in addition

```
"options":
[
  { "key": "TargetPath", "value": "%{Path}" },
  { "key": "HdrPath", "value": "%{Path}/%{HdrFileName}" },
  { "key": "SrcPath", "value": "%{Path}/%{SrcFileName}" },
  { "key": "CN", "value": "%{JS: Cpp.className(value('Class'))}" },
  { "key": "Base", "value": "%{JS: value('BaseCB') === '' ? value('BaseEdit') : value('BaseCB')}" },
  { "key": "isObject", "value": "%{JS: (value('Base') === 'QObject' || value('Base') === 'QWidget' || value('Base') === 'QMainWindow' || value('Base') === 'QDialog') ? 'true' : 'false' }",
  { "key": "GUARD", "value": "%{JS: Cpp.classToHeaderGuard(value('Class'), Util.suffix(value('HdrFileName')))" },
  { "key": "SharedDataInit", "value": "%{JS: value('IncludeQSharedData') ? 'data(new %{CN}Data)' : '' }" }
],
```

This section is optional. For more examples of variables, see the files for other wizards. `wizard.json`

- The section specifies the wizard pages. The pages used depend on the wizard type. You can add standard pages to wizards or create new pages using the available widgets

```
"pages":
[
  {
    "trDisplayName": "Define Class",
    "trShortTitle": "Details",
    "typeId": "Fields",
    "data" :
    [
      {
        "name": "Class",
        "trDisplayName": "Class name:",
        "mandatory": true,
        "type": "LineEdit",
        "data": {
          "trPlaceholder": "Fully qualified name, including namespaces",
          "validator": "(?:([a-zA-Z_][a-zA-Z_0-9]*:)*[a-zA-Z_][a-zA-Z_0-9]*)",
          "completion": "namespaces"
        }
      },
      ...
    ]
  }
]
```

- `typeId` specifies the page to use: `Fields`, `FileFormKits`, `ProjectVcsConfiguration`, `VcsCommandSummary`

Full page ID, as used in the code, consists of the prefixed with `.` For more information, about the pages, see [Available Pages](#). `typeId` `"PE.Wizard.Page."`

- `trDisplayName` specifies the title of the page. By default, the page title is used.
- `trShortTitle` specifies the title used in the sidebar of the Wizard. By default, the page title is used.
- `trSubTitle` specifies the subtitle of the page. By default, the page title is used.
- `index` is an integer value that specifies the page ID. It is automatically assigned if you do not set it.
- `enabled` is set to to show the page and to to hide it. `true` `false`
- `data` specifies the wizard pages. In the C++ wizard, it specifies a page and a page. The page contains the `,` `,` `,` and widgets. For more information about the widgets

- The section specifies the files to be added to the project. `generators`

```
"generators":
[
  {
    "typeId": "File",
    "data":
    [
      {
        "source": "file.h",
        "target": "%{HdrPath}",
        "openInEditor": true
        "options": [
          { "key": "Cpp:License:FileName", "value": "%{HdrFileName}" },
          { "key": "Cpp:License:ClassName", "value": "%{CN}" }
        ]
      },
      {
        "source": "file.cpp",
```

```

        { "key": "Cpp:License:FileName", "value": "%{SrcFileName}" },
        { "key": "Cpp:License:ClassName", "value": "%{CN}" }
    ]
}
]

```

- › `typeId` specifies the type of the generator. Currently, only `FileScanner` is supported.
- › `data` allows to configure the generator further.

Values Available to the Wizard

In addition to properties taken from the file itself (see [Creating Wizards](#)), Qt Creator makes some information available to all JSON based wizards: `wizard.json`

- › `WizardDir` is the absolute path to the file `wizard.json`
- › `Features` lists all features available via any of the kits configured in Qt Creator.
- › `Plugins` contains a list of all plugins running in the current instance of Qt Creator.
- › `Platform` contains the platform selected in the **File > New Project** or **New File** dialog. This value may be empty.

The following information is only available when the wizard was triggered via the context menu of a node in the **Projects** view:

- › `InitialPath` with the path to the selected node.
- › `ProjectExplorer.Profile.Ids` contains a list of Kits configured for the project of the selected node.

Available Pages

You can add predefined pages to wizards by specifying them in the `pages` section of a `wizard.json` file.

Field Page

A Field page has the value `FieldPage` and contains widgets. For more information about widget definitions, see [Available Widgets](#).

```

"pages":
[
  {
    "trDisplayName": "Define Class",
    "trShortTitle": "Details",
    "typeId": "Fields",
    "data": {
      [
        {
          "name": "Class",
          "trDisplayName": "Class name:",
          "mandatory": true,
          "type": "LineEdit",
          "data": {
            "trPlaceholder": "Fully qualified name, including namespaces",
            "validator": "(?:([a-zA-Z_][a-zA-Z_0-9]*:)*[a-zA-Z_][a-zA-Z_0-9]*)",
            "completion": "namespaces"
          }
        },
        ...
      ]
    }
  },
  ...
],

```

File Page

A File page has the value `FilePage`. You can leave out the key or assign an empty object to it.

```

{
  "trDisplayName": "Location",
  "trShortTitle": "Location",
  "typeId": "File"
},

```

The page evaluates `InitialPath` and from the wizard to set the initial path and filename. The page sets `InitialFileName` to the full path of the file to be created.

Form Page

A Form page has the value `FormPage`. You can leave out the key or assign an empty object to it.

```

{

```

```
},
```

The page sets to an array of strings with the form contents.`FormContents`

Kits

A Kits page has the value . The section of a Kits page contains an object with the following settings:`typeIdKitsdata`

- › `projectFilePath` with the path to the project file.
- › `requiredFeatures` with a list of strings or objects that describe the features that a kit must provide to be listed on the page.

When a string is found, this feature must be set. When using an object instead, the following settings are checked:

- › `feature`, which must be a string (that will have all expanded).`%\{<VariableName\}`
- › `condition`, which must evaluate to or and can be used to discount the feature from the list.`truefalse`
- › `preferredFeatures` with a list in the same format as `requiredFeatures`. Any kit matching all features listed in (in addition to) will be pre-selected on this page.`prefer rec`

```
{
  "trDisplayName": "Kit Selection",
  "trShortTitle": "Kits",
  "typeId": "Kits",
  "enabled": "%{IsTopLevelProject}",
  "data": { "projectFilePath": "%{ProFileName}" }
},
```

The page evaluates to set the platform selected in **File > New Project** or **New File**.`%\{Platform\}`

Project

A Project page has the value . It contains no data or an object with the property which will be shown on the generated page. defaults to , which is filled in with the information taken f `{trDescription\}``trDescriptionwizard.json`

```
{
  "trDisplayName": "Project Location",
  "trShortTitle": "Location",
  "typeId": "Project",
  "data": { "trDescription": "A description of the wizard" }
},
```

The page evaluates to set the initial project path. The page sets and to the project directory.`InitialPathProjectDirectoryTargetPath`

Summary

A Summary page has the value . It contains no data or an empty object.`typeIdSummary`

```
{
  "trDisplayName": "Project Management",
  "trShortTitle": "Summary",
  "typeId": "Summary"
}
```

The page sets to an empty string if this is a toplevel project and to otherwise. It sets to the ID of the version control system in use.`IsSubprojectyesVersionControl`

VcsCommand

The `VcsCommand` page runs a set of version control operations and displays the results.

The section of this page takes an object with the following keys:`data`

- › `vcsId` with the id of the version control system to be used.
- › `trRunMessage` with the message to be shown while the version control is running.
- › `extraArguments` with a string or a list of strings defining extra arguments passed to the version control checkout command.
- › `repository` with the URL to check out from the version control system.
- › `baseDirectory` with the directory to run the checkout operation in.
- › `checkoutName` with the subdirectory that will be created to hold the checked out data.
- › `extraJobs` with a list of objects defining additional commands to run after the initial checkout. This can be used to customize the repository further by for example adding ad

Each is defined by an object with the following settings:`extraJob`

- › `command` with the command to be run.
- › `arguments` with the arguments to pass to `.command`
- › `timeOutFactor` can be used to provide for longer than default timeouts for long-running commands.
- › `enabled` which will be evaluated to decide whether or not to actually execute this job.

VcsConfiguration

The `VcsConfiguration` page asks the user to configure a version control system and only enables the **Next** button once the configuration is successful.

The section of this page takes an object with the key. This setting defines the version control system that will be configured.`data.vcsId`

Available Widgets

You can add the following widgets on a `Field` page:

- › Check Box
- › Combo Box
- › Label
- › Line Edit
- › Path Chooser
- › Spacer
- › Text Edit

Note: Only the the settings documented in the following sections are supported in wizards.

Specify the following settings for each widget:

- › `name` specifies the widget name. This name is used as the variable name to access the value again.
- › `trDisplayName` specifies the label text visible in the UI (if is not `.spantrue`
- › `type` specifies the type of the widget: `CheckBox`, `ComboBox`, `Label`, `LineEdit`, `PathChooser`, `Spacer`, `TextEdit`
- › `trToolTip` specifies a tool tip to show when hovering the field with the mouse.
- › `isComplete` is evaluated for all fields to decide whether the **Next** button of the wizard is available or not. All fields must have their evaluate to for this to happen. This setting
- › `trIncompleteMessage` is shown when the field's was evaluated to `.isCompletefalse`
- › `persistenceKey` makes the user choice persistent. The value is taken to be a settings key. If the user changes the default value of the widget, the user-provided value is stc
- › `visible` is set to if the widget is visible, otherwise it is set to `.`. By default, it is set to `.truefalsetrue`
- › `enabled` is set to if the widget is enabled, otherwise it is set to `.`. By default, it is set to `.truefalsetrue`
- › `mandatory` is set to if this widget must have a value for the **Next** button to become enabled. By default, it is set to `.truetrue`
- › `span` is set to hide the label and to span the form. By default, it is set to `.`. For more information, see [Using Variables in Wizards](#).`false`
- › `data` specifies additional settings for the particular widget type, as described in the following sections.

Check Box

```
{
  "name": "IncludeQObject",
  "trDisplayName": "Include QObject",
  "type": "CheckBox",
  "data": {
    {
      "checkedValue": "QObject",
      "uncheckedValue": "",
      "checked": "%{JS: value('BaseCB') === 'QObject' ? 'true' : 'false'}"
    }
  }
},
```

- › `checkedValue` specifies the value to set when the check box is enabled. By default, set to `.true`
- › `uncheckedValue` specifies the value to set when the check box is disabled. By default, set to `.false`
- › `checked` is set to if the check box is enabled, otherwise `.truefalse`

List

Note: The `Combo Box` and `Icon List` types are both variations of the `List` type, and therefore they can have the same properties.

```
{
```

```

"data":
{
    "items": [ { "trKey": "<Custom>", "value": "" },
                "QObject", "QWidget", "QMainWindow", "QDeclarativeItem", "QQuickItem" ]
    }
},

```

or

```

{
    "name": "ChosenBuildSystem",
    "trDisplayName": "Choose your build system:",
    "type": "IconList",
    "data":
    {
        "items": [
            { "trKey": "CMake", "value": "cmake", "icon": "cmake_icon.png", "trToolTip": "Building with CMake." },
            { "trKey": "Qbs", "value": "qbs", "icon": "qbs_icon.png", "trToolTip": "Building with Qbs." },
            { "trKey": "QMake", "value": "qmake", "icon": "qmake_icon.png", "trToolTip": "Building with QMake." }
        ]
    }
},

```

- › `items` specifies a list of items to put into the list type. The list can contain both JSON objects and plain strings. For JSON objects, define and pairs, where the is the list item vis a tooltip for it.`trKeyvalue``trKeyvalueicon``trToolTip`
- › `index` specifies the index to select when the list type is enabled. By default, it is set to `.0`
- › `disabledIndex` specifies the index to show if the list type is disabled.

Label

```

{
    "name": "LabelQQC_2_0",
    "type": "Label",
    "span": true,
    "visible": "%{JS: value('CS') === 'QQC_2_0'}",
    "data":
    {
        "wordWrap": true,
        "trText": "Creates a deployable Qt Quick 2 application using Qt Quick Controls.",
    }
},

```

- › `wordWrap` is set to to enable word wrap. By default, it is set to `.truefalse`
- › `trText` contains the label text to display.

Line Edit

```

{
    "name": "Class",
    "trDisplayName": "Class name:",
    "mandatory": true,
    "type": "LineEdit",
    "data": {
        "trPlaceholder": "Fully qualified name, including namespaces",
        "validator": "(?:([a-zA-Z_][a-zA-Z_0-9]*:)*[a-zA-Z_][a-zA-Z_0-9]*)|)",
        "completion": "namespaces"
    }
},
{
    "name": "BaseEdit",
    "type": "LineEdit",
    "enabled": "%{JS: value('BaseCB') === '' ? 'true' : 'false'}",
    "mandatory": false,
    "data":
    {
        "trText": "%{BaseCB}",
        "trDisabledText": "%{BaseCB}",
        "completion": "classes"
    }
},

```


- › `completion` lists existing for the class name line edit and existing for the base class line edit. This value replaces the history completer that is usually available for such fields
- › `trPlaceholder` specifies the placeholder text.
- › `validator` specifies a [QRegularExpression](#) to validate the line edit against.
- › `fixup` specifies a variable that is used to fix up the string. For example, to turn the first character in the line edit to upper case.
- › `isPassword` is a boolean value that specifies that the line edit contains a password, which will be masked.
- › `historyId` is a key that specifies the name for a list of items for the history completer. This value and are mutually exclusive, so do not set both of them at the same time.
- › `restoreLastHistoryItem` is a boolean that specifies that the last history item is automatically set as the default text in the line edit. This key can only be set to true if is a

Path Chooser

```
{
  "name": "Path",
  "type": "PathChooser",
  "trDisplayName": "Path:",
  "mandatory": true,
  "data": {
    {
      "kind": "existingDirectory",
      "basePath": "%{InitialPath}",
      "path": "%{InitialPath}"
    }
  }
},
```

- › `path` specifies the selected path.
- › `basePath` specifies a base path that lookups are relative to.
- › `kind` defines what to look for: `existingDirectory`, `directory`, `file`, `saveFile`, `existingCommand`, `command`, or `any`.

Spacer

```
{
  "name": "Sp1",
  "type": "Spacer",
  "data": {
    {
      "factor": 2
    }
  }
},
```

The `factor` specifies the factor (an integer) to multiply the layout spacing for this spacer.

Text Edit

```
{
  "name": "TextField",
  "type": "TextEdit",
  "data": {
    {
      "trText": "This is some text",
      "richText": true
    }
  }
}
```

- › `trText` specifies the text to display.
- › `trDisabledText` specifies the text to display when the text edit is disabled.
- › `richText` is set to `true` for rich text, otherwise `false`.

Available Generators

Qt Creator supports two different generators for JSON wizards.

File Generator

A generator expects a list of objects in its `files` section. Each object defines one file to be processed and copied into the (or any other location) `Filedata%{TargetPath}`.

Each file object can take the following settings:

- › `source` specifies the path and filename of the template file relative to the directory containing the `file.wizard.json`.

- › `openInEditor` opens the file in the appropriate editor if it is set to `.`. This setting defaults to `.truefalse`
- › `openAsProject` opens the project file in Qt Creator if it is set to `.`. This setting defaults to `.truefalse`
- › `isBinary` treats the file as a binary and prevents replacements from being done in the file if set to `.`. This setting defaults to `.truefalse`
- › `condition` generates the file if the condition returns `.`. This setting defaults to `.`. For more information, see [Using Variables in Wizards](#).`truetrue`

Scanner Generator

A generator scans the and produces a list of all files found there.`Scanner%\{TargetPath\}`

The generator takes one object in its section with the following settings:`Scannerdata`

- › `binaryPattern` is a regular expression that will be matched against all file names found. Any match will be marked as a binary file and template substitution will be skipped
- › `subdirectoryPatterns` is a list of regular expression patterns. Any directory matching one of these patterns will be scanned as well as the top level directory. This setting

◀ [Adding Libraries to Projects](#)

© 2022 The Qt Company Ltd. Documentation contributions included herein are the copyrights of their respective owners. The documentation provided herein is licensed under the terms of the [GNU Free Docum](#) Finland and/or other countries worldwide. All other trademarks are property of their respective owners.



Contact Us

Company

- About Us
- Investors
- Newsroom
- Careers
- Office Locations

Licensing

- Terms & Conditions
- Open Source
- FAQ

Support

- Support Services
- Professional Services
- Partners
- Training

For Customers

- Support Center
- Downloads
- Qt Login
- Contact Us
- Customer Success

Community

- Contribute to Qt
- Forum
- Wiki
- Downloads
- Marketplace

© 2022 The Qt Company

[Feedback](#) [Sign In](#)