使用 GitLab

GitLab 是由 GitLab 开发的一种开发运营工具。您可以从 GitLab 服务器克隆项目，并使用 Git 来管理本地和远程存储库。

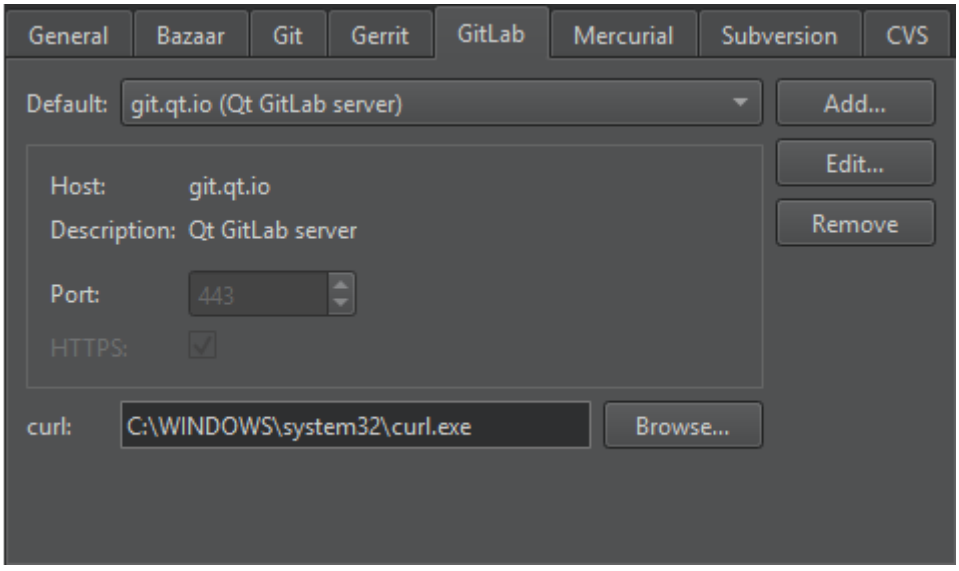
要启用实验性的 GitLab 插件，**请选择帮助**>**关于插件**>**版本控制**> **GitLab**。然后选择立即**重启**以重启Qt创建者并加载插件。

要使用 GitLab，您必须创建与 GitLab 服务器的连接并克隆要处理的项目。您还可以在项目设置中将以前克隆的项目链接到 GitLab。这使您能够在"版本控制"窗格中接收事件通知。

连接到 GitLab 服务器

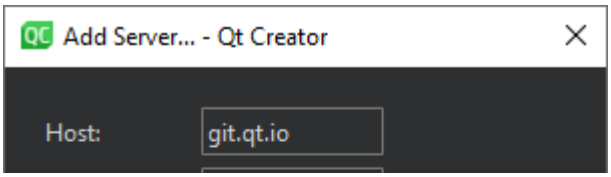
要连接到 GitLab 服务器，您需要指定服务器主机名和端口号，以及您在 GitLab 中为 Qt 创建器创建的访问令牌。令牌的权限范围必须至少为 或 。`read_api`api

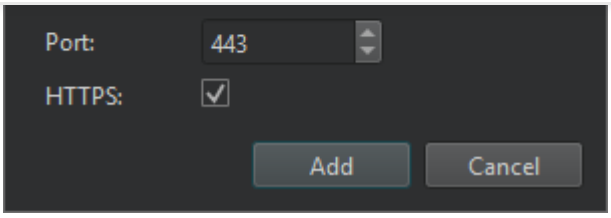
要指定与 GitLab 服务器的连接，请选择**"编辑**>**首选项**"> **GitLab** >**版本控制**：



要添加 GitLab 服务器，请执行以下操作：

1. 选择**"添加**"以打开**"添加服务器**"对话框：





2. 在**"主机"**中，输入 GitLab 服务器的主机名。
3. 在**"说明"**中，输入在链接项目的 GitLab 设置中显示的自由格式文本。
4. 在**"访问令牌"**中，在**"首选项"**>"访问令牌"中输入在 GitLab 服务器中为 Qt Creator 创建的**访问令牌**。
5. 在**"端口"**中，输入端口号。
6. 取消选中"**HTTPS**"复选框以使用 HTTP 连接而不是安全连接。
7. 选择"**添加**"以创建连接。

在"**GitLab**"选项卡中，**卷曲**显示用于 HTTP 连接的工具的路径。您可以指定另一个路径来使用该工具的另一个实例，而不是Qt Creator找到的路径。`curl`

若要编辑所选连接，请选择"**编辑**"。

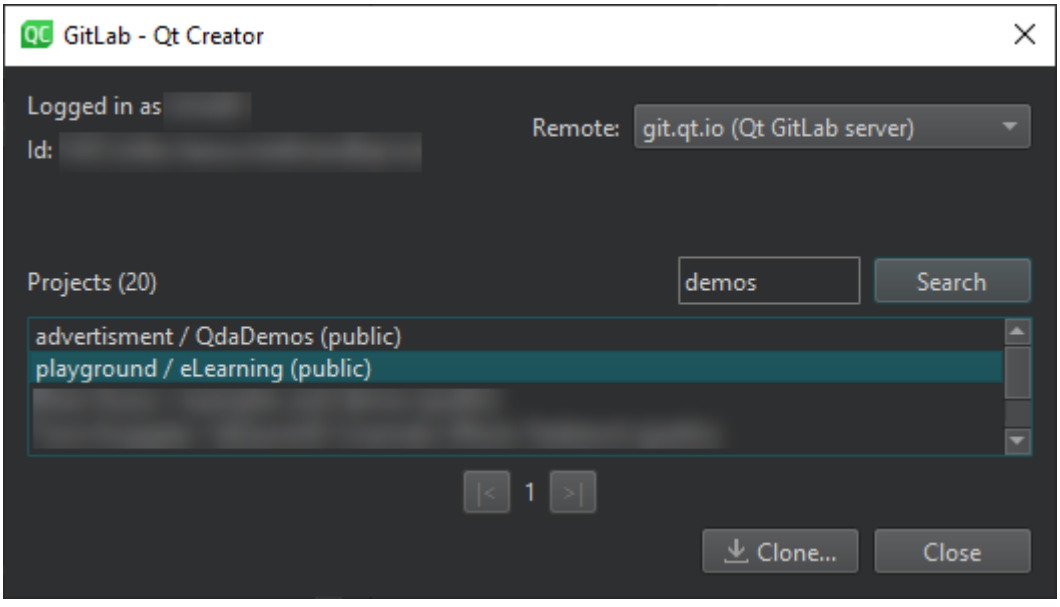
若要删除所选连接，请选择"**删除**"。

克隆项目

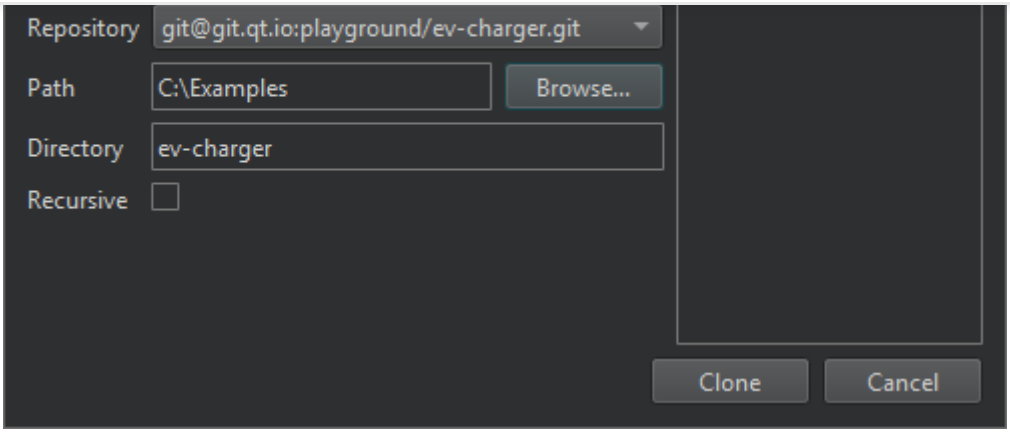
您可以从连接的 GitLab 服务器克隆项目。Qt Creator 从访问令牌中读取您的用户名和密码，并显示每个服务器中的可用项目。您可以在列表中搜索特定项目或浏览项目。

要从 GitLab 克隆项目：

1. 选择**"工具"**> **GitLab**"以查看连接的 GitLab 服务器和每个服务器中的可用项目的列表：



2. In **Remote**, select a GitLab server.
3. In **Projects**, select the project to clone.
4. Select **Clone** to open the **Clone Repository** dialog:



5. In **Repository**, specify the URL of the repository.
6. In **Path**, specify the path where to clone the repository.
7. In **Directory**, specify the name of the directory for the cloned repository.
8. Select the **Recursive** check box to also clone submodules of the repository.
9. Select **Clone** to clone the project to the specified directory.

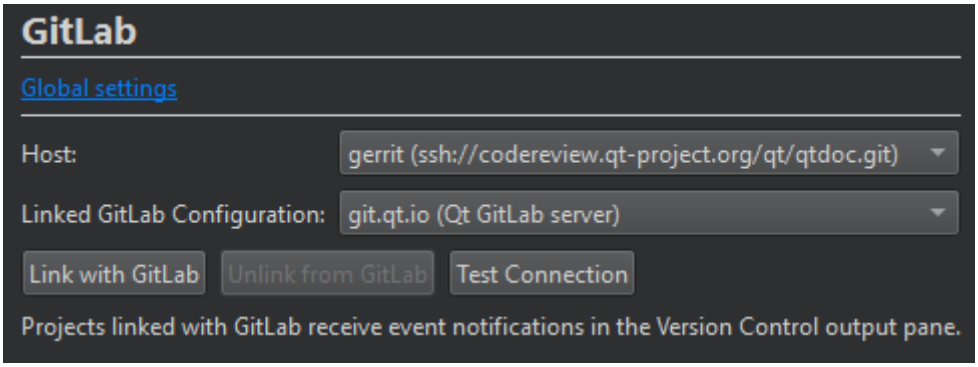
Qt Creator automatically opens the project. If the cloned project has several project files (such as CMakeList.txt, .pro, and .qbs), Qt Creator prompts you to select the one to open. If it does not contain a project file that Qt Creator can open, select **File** > **New Project** > **Import Project** > **Import Existing Project** to import the project as a generic project. For more information, see Using Project Wizards.

Linking Projects with GitLab

Link a project with a GitLab token to receive notifications on events, such as merge requests, issues, or comments, in the **Version Control** pane. The information is fetched every 15 minutes. Only events that occurred after the last time you logged into GitLab are displayed when you open the project for the first time. Subsequently, events that occurred after the last successful fetch are listed.

To link with GitLab:

1. In the **Projects** mode, select **GitLab** to view the GitLab settings for the currently active project:



2. In **Host**, select the URL of the GitLab server.
3. In **Linked GitLab configuration**, select the GitLab server settings to use.
4. Select **Link with GitLab** to receive event notifications in the **Version Control** pane.

To test the connection to the host using the access token specified in the GitLab configuration, select **Test Connection**.

© 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 Documentation License version 1.3 as published by the Free Software Foundation. Qt and respective logos are trademarks of The Qt Company Ltd in Finland and/or other countries worldwide. All other trademarks are property of their respective owners.