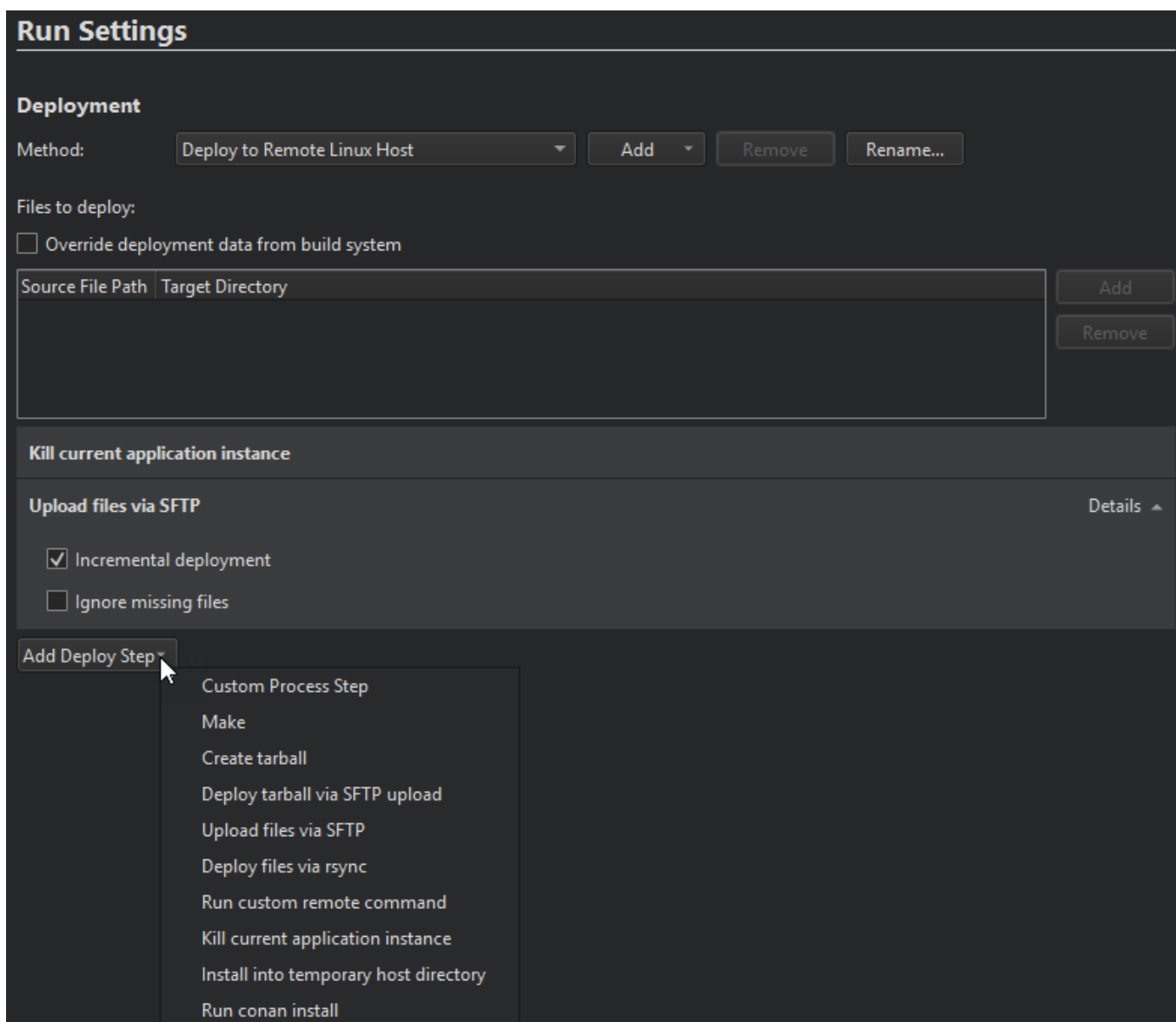


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将应用程序部署到通用远程 Linux 设备

可以在项目配置文件和“项目”模式下的“运行设置”中指定用于将应用程序部署到通用远程 Linux 设备的设置。



要安装的文件在“部署”步骤的“要部署的文件”字段中列出。“源文件路径”字段显示文件在开发电脑上的位置。“目标目录”字段显示设备上安装文件的目录。红色文本表示缺少信息。

如果生成系统未自动检测到源目录和目标目录，请选择“覆盖生成系统中的部署数据”，然后选择“添加”以手动输入它们。若要从“要部署的文件”中删除所选路径，请选择“删除”。

添加要部署的文件的过程取决于您使用的生成系统。有关更多信息，请参见[指定项目内容](#)。

构建

使用 CMake 作为生成系统时，请使用 CMakeLists.txt 文件中的[安装](#)命令添加缺少的文件。

例如，将以下行添加到 CMakeLists.txt 文件中，以将项目的二进制文件安装到远程设备上的目录中：/opt

```
set(INSTALL_DESTDIR "/opt")

install(TARGETS <target>
  RUNTIME DESTINATION "${INSTALL_DESTDIR}"
  BUNDLE DESTINATION "${INSTALL_DESTDIR}"
  LIBRARY DESTINATION "${INSTALL_DESTDIR}"
)
```

qmake Builds

使用 qmake 时，请在项目文件中编辑[“安装”变量](#)。`.pro`

当您运行应用程序时，Qt Creator 将必要的文件复制到设备上并在其上启动应用程序。

例如，将以下行添加到文件中，以将项目的二进制文件复制到远程设备上的目录中：`.pro/opt`

```
target.path = /opt
INSTALLS += target
```

To deploy additional files, add them to further targets that you also add to `.INSTALLS`

Deploy Steps

When you run the application on the device, Qt Creator first uploads the necessary files to it, as specified by the deploy steps.

Uploading Files

By default, Qt Creator copies the application files to the device by using the SSH file transfer protocol (SFTP), as specified by the **Upload files via SFTP** step.

Note: If the SFTP upload fails, make sure that the remote device has SFTP enabled in its SSH daemon. Some versions of Dropbear that come without SFTP support will crash when an SFTP upload is being attempted. This is not a bug in Qt Creator.

If you have a lot of data to copy, select **Details** in the **Upload Files via SFTP** step, and then select the **Incremental deployment** check box. Qt Creator takes note of the deployment time and only copies files that have changed since the last deployment. However, when you make major changes on the device, such as removing files from the device manually or flashing a new disk image, or when you use another device with the same IP address, deselect the



Creating a Tarball

To only create a tarball and not copy the files to the device, select **Add Deploy Step > Create tarball**. Then remove all other deploy steps.

The **Deploy tarball via SFTP upload** step specifies that Qt Creator uploads the tarball to the device and extracts it.

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