Qt DOCUMENTATION

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Qt 创建者手册 > 在多个平台上运行

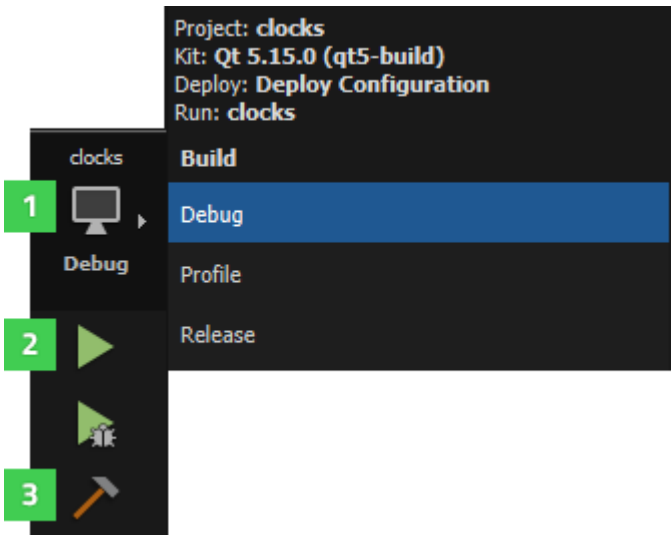# 在多个平台上运行

默认情况下，运行应用程序还会生成该应用程序，并将其部署到可在桌面、设备仿真程序或模拟器或连接到开发电脑的设备上运行该应用程序的位置。

若要运行可执行文件而不先部署它们，请选择"**生成**>"**在不使用部署的情况下运行**"。若要将此选项设为默认选项，请取消选中"**编辑**>**首选项**>**生成** ">"**运行**>**常规**>**运行项目前始终部署项目**"复选框。

要运行应用程序：

1. 单击"**生成并运行工具包选择器**"图标 （1），或选择"**生成**">**打开生成和运行工具包选择器**"以选择生成和运行工具包。

2. 单击"**运行**"按钮 （2）。
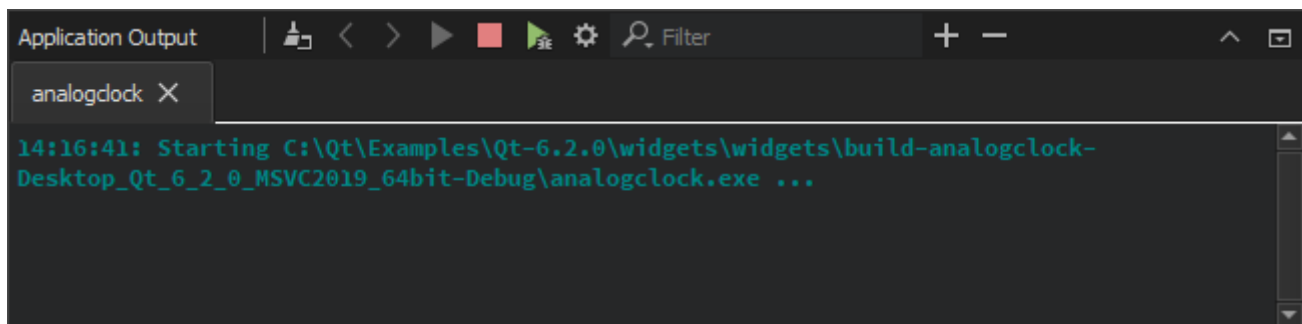
如果项目定义了多个运行目标（如测试），则可以在套件选择器中选择它们。
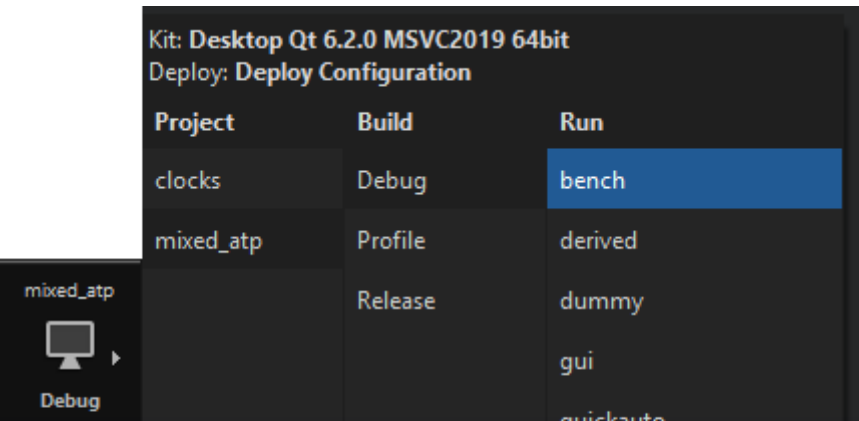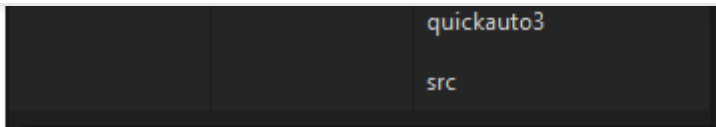
如果已将移动设备或嵌入式设备连接到开发电脑或添加了虚拟设备（如 Android 虚拟设备 （AVD），则可以在套件选择器中选择它们。选择"管理"以管理设备设置。例如，您可以添加 AVD 或手动启动断开连接的 AVD。

"应用程序输出"显示应用程序运行时的状态。可以选择"运行"按钮以重新运行应用程序，而无需先生成它们。这在开发 Qt 快速应用程序时很有用，因为 QML 文件是在运行时解释的。因此，如果您只编辑了 QML 文件，则不需要再次生成应用程序。这可以节省时间，尤其是在应用程序包含大型图像文件时，这些文件需要在运行应用程序之前捆绑到资源文件中。

有关您拥有的选项的更多信息，请参见指定运行设置。

在通用远程 Linux 设备上运行

要构建应用程序并在设备上运行它，请执行以下操作：

1. 指定与设备的连接。有关更多信息，请参阅连接通用远程 Linux 设备。
2. 单击运行按钮。

Qt Creator使用在项目构建设置（工具链）中指定的编译器来构建应用程序。

Qt Creator将应用程序文件复制到连接的设备并运行应用程序。应用程序视图将显示在设备上。命令行输出在 Qt Creator **应用程序输出**视图中可见。

Choose **Projects > Embedded Linux > Run** to view the settings for deploying the application to the connected device. For more information, see Specifying Run Settings for Linux-Based Devices. Debugging works transparently if GDB server is installed on the device and it is compatible with the GDB on the host.

Running on QNX Devices

1. Connect the device to the development PC or to the Wi-Fi network.
2. Configure the device and specify a connection to it. For more information, see Connecting QNX Devices.
3. Make sure that your kit has your QNX device set.
4. Click the **Run** button.

Qt Creator uses the compiler specified in the QNX tool chain to build the application.

Note: Debugging is currently only fully supported on Linux and macOS. It is not possible to insert breakpoints during runtime on Windows.

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Troubleshooting Errors

To support running, debugging, and stopping applications from Qt Creator, the QNX Neutrino RTOS should provide a few additional command line tools and services, as described in Qt for QNX.

Debug Output Cannot Be Shown

For the command-line output to show up in the **Application Output**, Qt Creator needs to be able to establish an SSH connection to the device. This is only possible if QNX Momentics is not running, and the SSH key configured for the device is a 4096-bit key.

If these conditions are not met, you will get an error message saying debug output cannot be shown.

Cannot Run, Debug, or Stop Applications

The board support package (BSP) for the QNX device might be missing some of the following applications that Qt Creator needs to run, debug, and stop applications on QNX devices: `,,,,,,,,,,,,` and `.awkgrepkillnetstatprintprintfpsreadsedsleepunameslog2infocat`

Running Python Projects

You can execute Qt for Python applications directly from Qt Creator. If you used the new project wizard to create the application project, the file is automatically executed when you select the **Run** button.`main.py`

You can specify another file to execute in the run settings of the project.

‹ Building for Multiple Platforms   Deploying to Devices ›

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