



链滴

在 Windows 10 系统编译 RustDesk

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来源网站: [链滴](#)

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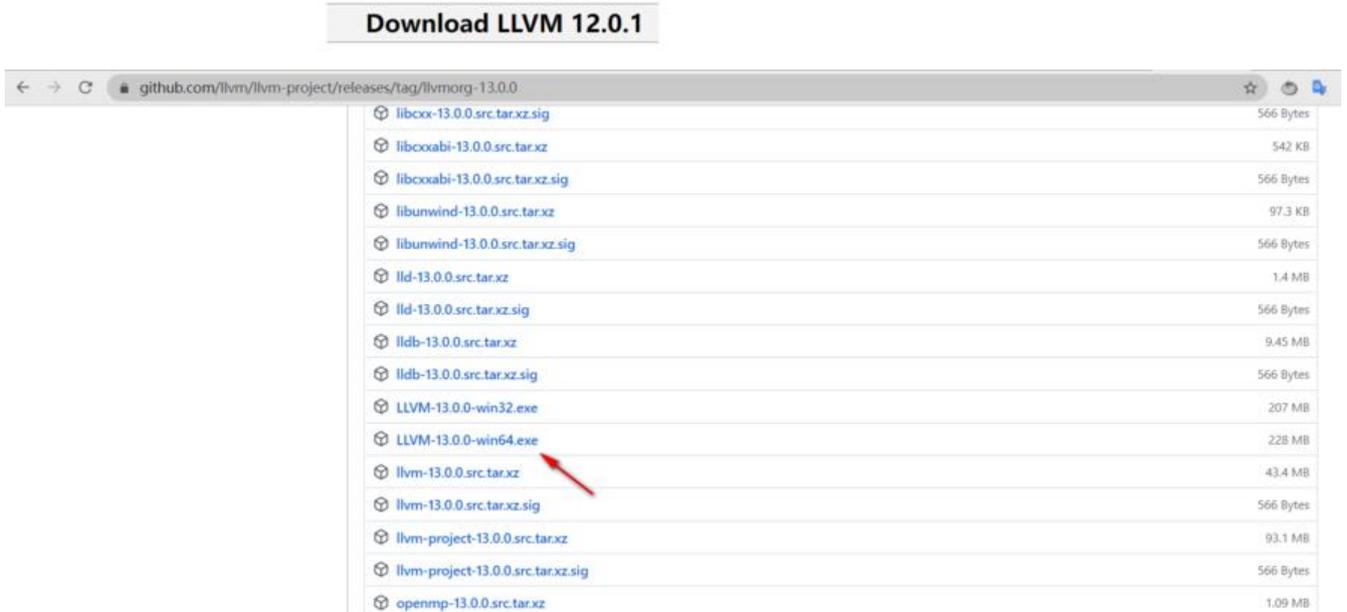
环境信息

操作系统: Windows 10 LTSC 2019

提前安装 [Rust](#) 和 [Git](#)

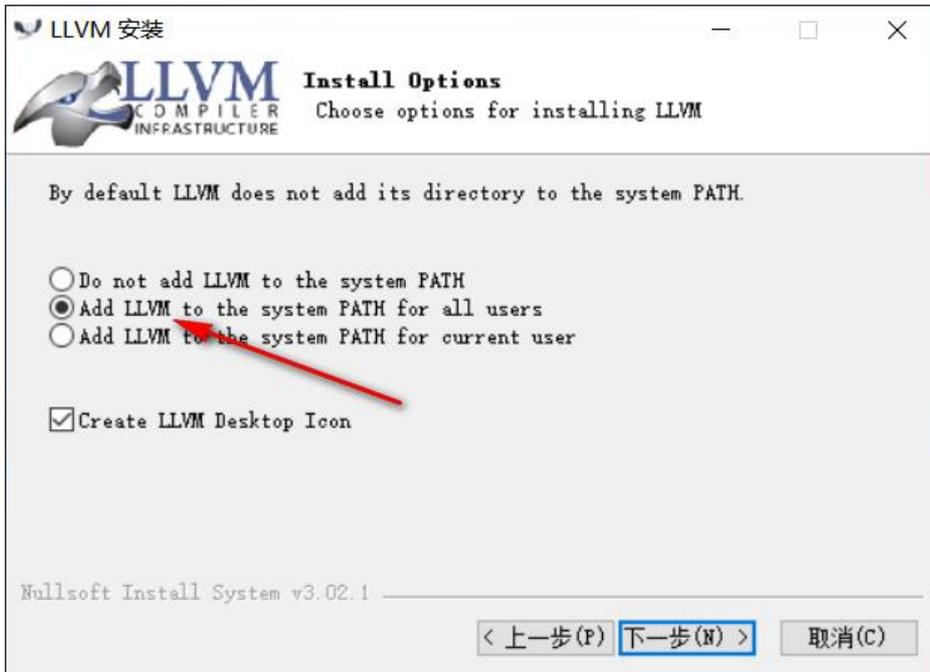
安装 LLVM

在 [LLVM Download Page](#) 页面找到最新版本, 跳转到对应的 GitHub 页面下载 Windows 版安装程。



双击安装

记得将 LLVM 添加到系统环境变量 PATH。



安装 Vcpkg

下载并安装

在 C 盘创建 dev 文件夹，并下载 vcpkg，然后运行 bootstrap-vcpkg.bat 脚本。

```
mkdir dev
cd dev
git clone https://github.com/microsoft/vcpkg
./vcpkg/bootstrap-vcpkg.bat
```

```
MINGW64:/c/dev
wangzk@DESKTOP-US4RBVD MINGW64 ~
$ cd /c

wangzk@DESKTOP-US4RBVD MINGW64 /c
$ mkdir dev

wangzk@DESKTOP-US4RBVD MINGW64 /c
$ cd dev

wangzk@DESKTOP-US4RBVD MINGW64 /c/dev
$ git clone https://github.com/microsoft/vcpkg
Cloning into 'vcpkg'...
remote: Enumerating objects: 127292, done.
remote: Counting objects: 100% (94/94), done.
remote: Compressing objects: 100% (21/21), done.
remote: Total 127292 (delta 81), reused 73 (delta 73), pack-reused 127198
Receiving objects: 100% (127292/127292), 41.74 MiB | 556.00 KiB/s, done.
Resolving deltas: 100% (79065/79065), done.
Updating files: 100% (8233/8233), done.

wangzk@DESKTOP-US4RBVD MINGW64 /c/dev
$ ./vcpkg/bootstrap-vcpkg.bat
Downloading https://github.com/microsoft/vcpkg-tool/releases/download/2021-09-10/vcpkg.exe
-> C:\dev\vcpkg\vcpkg.exe (using proxy: 127.0.0.1:8078)... done.
Validating signature... done.

Telemetry
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vcpkg collects usage data in order to help us improve your experience.
The data collected by Microsoft is anonymous.
You can opt-out of telemetry by re-running the bootstrap-vcpkg script with -disableMetrics,
passing --disable-metrics to vcpkg on the command line,
or by setting the VCPKG_DISABLE_METRICS environment variable.

Read more about vcpkg telemetry at docs/about/privacy.md

wangzk@DESKTOP-US4RBVD MINGW64 /c/dev
$
```

遇到的问题：下载失败

```
MINGW64:/c/dev
$

wangzk@DESKTOP-US4RBVD MINGW64 /c/dev
$ ./vcpkg/bootstrap-vcpkg.bat
Downloading https://github.com/microsoft/vcpkg-tool/releases/download/2021-09-10/vcpkg.exe -> C
:\dev\vcpkg\vcpkg.exe...While calling Windows API function WinHttpRequest got error 0x00002
EFE:
C:\dev\vcpkg\scripts\bootstrap.ps1 : Downloading vcpkg.exe failed. Please check your internet c
onnection, or consider d
ownloading a recent vcpkg.exe from https://github.com/microsoft/vcpkg-tool with a browser.
At line:1 char:4
+ & {& 'C:\dev\vcpkg\scripts\bootstrap.ps1' }
+ ~~~~~
+ CategoryInfo          : NotSpecified: (:) [Write-Error], WriteErrorException
+ FullyQualifiedErrorId : Microsoft.PowerShell.Commands.WriteErrorException,bootstrap.ps1

ScriptHalted
At C:\dev\vcpkg\scripts\bootstrap.ps1:54 char:5
+ throw
+ ~~~~~
+ CategoryInfo          : OperationStopped: (:) [], RuntimeException
+ FullyQualifiedErrorId : ScriptHalted

wangzk@DESKTOP-US4RBVD MINGW64 /c/dev
$
```

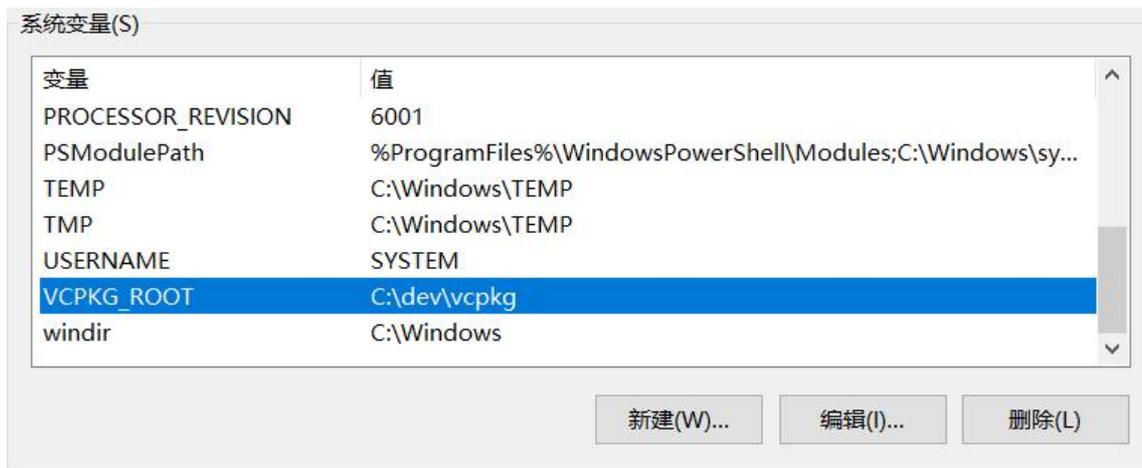
解决方法：设置代理

```
export https_proxy=IP:Port
```

其中，IP:Port 替换为自己的代理 IP 和 端口号。

配置环境变量

安装成功后，新建环境变量 **VCPKG_ROOT**，将它的值设置为 Vcpkg 的安装目录。并将**VCPKG_ROOT** 的值添加到 Path 中。



安装 Rustdesk 所需的库

使用 Vcpkg 安装 Rustdesk 所需的库：

```
vcpgk install libvpx:x64-windows-static libyuv:x64-windows-static opus:x64-windows-static
```

The image shows a terminal window with the following output:

```
MINGW64:/c/Users/wangzk
wangzk@DESKTOP-US4RBVD MINGW64 ~
$ vcpkg install libvpx:x64-windows-static libyuv:x64-windows-static opus:x64-win
dows-static
Computing installation plan...
A suitable version of cmake was not found (required v3.21.1). Downloading portab
le cmake v3.21.1...
Downloading cmake...
https://github.com/Kitware/CMake/releases/download/v3.21.1/cmake-3.21.1-window
s-i386.zip -> C:\dev\vcpkg\downloads\cmake-3.21.1-windows-i386.zip
Extracting cmake...
A suitable version of 7zip was not found (required v19.0.0). Downloading portabl
e 7zip v19.0.0...
Downloading 7zip...
https://www.7-zip.org/a/7z1900-x64.msi -> C:\dev\vcpkg\downloads\7z1900-x64.ms
i
Extracting 7zip...
The following packages will be built and installed:
* libjpeg-turbo[core]:x64-windows-static -> 2.0.6#2
  libvpx[core]:x64-windows-static -> 1.10.0#2
  libyuv[core]:x64-windows-static -> 2021-04-15
  opus[core]:x64-windows-static -> 1.3.1#6
Additional packages (*) will be modified to complete this operation.
Detecting compiler hash for triplet x64-windows-static...
```

遇到的问题：libyuv:x64-windows-static 安装失败

```
MINGW64:/c/rustdesk
-- Performing post-build validation done
Stored binary cache: C:\Users\wangzk\AppData\Local\vcpkg\archives\e9\e9e4cca54ad
2029c5151ecd316c198d386755c36c04c2d3f393e35b3060fa3c1.zip
Installing package libvpx[core]:x64-windows-static...
Elapsed time for package libvpx:x64-windows-static: 5.052 min
Starting package 2/3: libyuv:x64-windows-static
Building package libyuv[core]:x64-windows-static...
-- Fetching https://chromium.googlesource.com/libyuv/libyuv 287158925b0e03ea4499
a18b4e08478c5781541b...
CMake Error at scripts/cmake/vcpkg_execute_required_process.cmake:127 (message):
  Command failed: "C:/Program Files/Git/mingw64/bin/git.exe" fetch https://chr
omium.googlesource.com/libyuv/libyuv 287158925b0e03ea4499a18b4e08478c5781541b --
depth 1 -n
  Working Directory: C:/dev/vcpkg/downloads/git-tmp
  Error code: 128
  See logs for more information:
  C:\dev\vcpkg\buildtrees\libyuv\git-fetch-x64-windows-static-err.log

Call Stack (most recent call first):
  scripts/cmake/vcpkg_from_git.cmake:123 (vcpkg_execute_required_process)
  ports/libyuv/portfile.cmake:3 (vcpkg_from_git)
  scripts/ports.cmake:141 (include)

Error: Building package libyuv:x64-windows-static failed with: BUILD_FAILED
Please ensure you're using the latest portfiles with `.\vcpkg update`, then
submit an issue at https://github.com/Microsoft/vcpkg/issues including:
  Package: libyuv:x64-windows-static
  Vcpkg version: 2021-09-10-2059ef11aa6067e6f59b0d939c5d17e3c5c47d3e

Additionally, attach any relevant sections from the log files above.
```

解决方法：给 Git 配置代理

```
git config --global https.proxy IP:Port
```

其中，IP:Port 替换为自己的代理 IP 和 端口号。

编译运行

```
git clone https://github.com/rustdesk/rustdesk
cd rustdesk
```

下载 sciter 到当前目录，也可以手动下载并放到 rustdesk 目录

```
curl -O https://raw.githubusercontent.com/c-smile/sciter-sdk/master/bin.win/x64/sciter.dll
```

运行

```
cargo run
```

Your Desktop

Your desktop can be accessed with this ID and password.

ID ⋮

160 253 451

Password

***** 👁 ✎

Install RustDesk

[Install RustDesk on this computer ...](#)

Control Remote Desktop

Transfer File

Connect

● Ready