Download Unity

- 1. get latest version from **store.unity.com**
- 2. this will install **Unity Hub**
- 3. run Unity Hub
- 4. create a Unity ID, Login and choose a Personal license if prompted

5. go to Installs on the main page of Unity Hub.

- Choose Add and select the latest version of Unity to download - e.g. 2019.1.12f 6. make sure to check and install:
- + Visual Studio 2019 Community
- + Android Build
- + Android SDK and NDK
- 7. Unity docs on Unity for Android setup: https://docs.unity3d.com/Manual/android-sdksetup.html

+ choose 3D project + choose a project name and directory

Setup a Unity Project

2. launch!

1. in Unity go to **Asset Store** and search for

1. in Unity Hub - Create a new Unity Project

- Create a small VR scene

Oculus Integration. 2. download and import Oculus Integration into the project.

3. drag **OVRCameraRig** from Oculus > VR > Prefabs into the Hierarchy view.

Should see Oculus folder added to the Project view.

- 4. in **OVR Manager** component of **OVRCameraRig** change **Tracking Origin Tyoe** to **Floor Level** 5. Remove existing Main Camera from the hierarchy.

Place some objects around and save the scene. Done.

+ XR Settings - check Virtual Reality Supported + XR Settings - add Oculus to Virtual Reality SDKs + Other Settings - set package name

Build for Quest

go to File > Build Settings

click Add Current Scene.

- (e.g. com.company.projectName) + Other Settings - remove Vulkan Graphics API
- + Other Settings minimum API level KitKat 20

(e.g. Builds/VRGame.apk)

Oculus Companion App setup

5. press Build and choose the .apk destination

You should see the current scene in the list

3. select Android and press Switch Platform

4. select Player Settings and make the following adjustments

1. get the Oculus Companion App from App store / Play store

+ change Company name and Project name

- 2. create an account add your Quest Headset at Settings > Add new Headset > Oculus Quest
- 6. Oculus documentation for Quest developer setup https://developer.oculus.com/documentation/

5. follow the device setup guide

4. enable **Developer mode** in

- 1. first get Android Platform Tools that include adb that we use + https://developer.android.com/ studio/releases/platform-tools.html

Installing the .apk app on Quest

- 2. (Windows only) get and install the adb driver from Oculus: https://developer.oculus.com/documentation/
- 3. after adb (Android Debug Bridge) is installed we can finally install our app
- 4. connect your Quest via usb port. And click Always allow access when prompted

 - + navigate to your build location + e.g. cd c://UnityProjects/QuestVRExample/Builds
 - + install the .apk adb install -r QuestVRExample.apk

quest/latest/concepts/mobile-device-setup-quest

Settings > your headset > More Settings > Developer Mode

+ extract its contents (e.g. into c://Android/platform-tools)

+ add the platform-tools path to environment variables

to install .apk apps on Quest

+ download the .zip file

- quest/latest/concepts/mobile-device-setup-quest
- 5. run Windows Powershell or Terminal (or any other shell)
 - + check if Quest device is connected adb devices
- 6. on Quest find your app in **Library > Unknown Sources**.
- If Unknown Sources is not visible, check again if developer mode is enabled