

Virtual machine for Android instruction

NOTE! The virtual machine operates only on 64-bit machines with 64-bit system and with hardware virtualization enabled in BIOS.

Installation:

1. Go to page <https://www.virtualbox.org/wiki/Downloads>
 1. Download and install VirtualBox
 2. Download and install Oracle VM VirtualBox Extension Pack
2. Go to page: <https://sourceforge.net/projects/osboxes/files/v/vb/1-Ad/8.1/RC1/rc164.7z/download>
 1. Download Android system image: Android-x86 8.1-rc1 (64bit)
 2. Extract the folder in a selected location

Configuration:

1. Add a new virtual machine
 1. Select: Machine → New:
 2. Enter machine name
 3. Leave virtual machine location unchanged
 4. Set type to 'Linux' and version to 'Other Linux 64bit' (If you do not see option 'Other Linux 64bit', you must enable hardware virtualization in BIOS)
 5. Set memory size to 2048 MB
 6. Select an existing virtual disk - this is location where the downloaded Android system image is located
 7. Click 'Create'
2. Configure the virtual machine
 1. Select 'Settings'
 2. System tab:
 1. Motherboard: Base memory: 2048 MB, Chipset: PIIX3, Pointing Device: Mouse PS/2
 2. Processor: 2 CP
 3. Acceleration: Hardware virtualization: first option must be checked
 3. Display tab: Video memory: 128 MB, Graphics controller: VBoxSVGA, 3D acceleration must be enabled
 4. Network tab: Network adapter must be enabled and attached to: Bridged Adapter
3. Start the virtual machine:
 1. Select 'Start'
 2. Select: Devices → USB → FTDIxxx from USBLINK
 3. Select: Input → Mouse Integration: clicking in the virtual machine passes the mouse through to the virtual machine. Clicking the right CTRL passes the mouse through to Windows.
4. Go to Google Play Store
5. Download GATE Control Station