## || Parallels<sup>®</sup>

## Cannot start Virtual Machine after Hard Disk resize: 'Unable to connect to Hard Disk 1'

- Parallels Desktop
- Parallels Desktop for Mac Standard Edition
- Parallels Desktop for Mac Standard Edition 9 and older

## **Symptoms**

I cannot start Windows Virtual Machine after resizing its Hard Disk

Error message:

"Unable to connect to Hard disk 1. No operating system Installed on this Virtual Machine."

## Resolution

In order to check the Virtual Hard Disk you will need a second Virtual Machine.

NOTE: To create new Virtual Machine please refer to this article: <u>How to install Windows virtual machine on Mac</u> <u>using Parallels Desktop?</u>

Note: We would strongly recommend to <u>backup your original Virtual Machine</u> before performing the steps below.

Once the second Virtual Machine is installed please follow the steps below:

- 1. Start the Second Virtual Machine (VM 2), install Parallels Tools (in the menu bar go to Virtual machine > Install Parallels Tools)
- 2. Shut down VM 2, go to the Configuration of VM2 > Hardware and click '+'
- 3. Add the Hard Disk from original Virtual Machine (VM 1) (the one that has been corrupted)
- 4. Switch to Boot Order and uncheck second (that you've just added) Hard Disk 2:
- 5. Start VM 2
- 6. Download Test Disk (.zip file) from http://www.cgsecurity.org/wiki/TestDisk Download to VM 2
- 7. Unzip testdisk-xxx.win.zip file to the Desktop of VM 2
- 8. Open the resulting testdisk folder and launch Test Disk application (testdisk-win.exe)
- 9. Create new log file
- 10. Choose the disk partition that has been connected
- 11. Choose the type of partition (for Windows Virtual machines choose "Intel")
- 12. Analyse the partition
- 13. Choose 'Quick search'

14. choose 'Write' to write the boot sector of partition

15. quit Test Disk

16. shut down VM 2

- 17. Go to the Configuration > Hardware of VM 2 and disconnect Hard Disk that has been added (choose Hard Disk 2 and click on '-')
- 18. Start your original Virtual Machine and install Parallels Tools

For more details on working with TestDisk utility please visit its Documentation at <u>http://www.cgsecurity.org/wiki/TestDisk</u> and <u>Step-by-Step guide</u>

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