Kaspersky Rescue Disk - Update definitions offline

1. Preface

Obviously Kaspersky Antivirus (or Internet Security, etc.) is one of the best Virus-killing programs in the market and it can run on USB Flash or CD/DVD, such that you can boot it on many other computers. Beautiful, isn't it?

2. Issue

Virus definitions in the ISO file you downloaded from Kaspersky website may be out of date. When you start the program, thanks to a network connection it can update the new definitions. But it does not update the file that it previously used, it will save the definition to the **KRD2018_Data** folder on an Internal hard drive, say "C:\" drive, for future use.

If you boot it on a new computer that you have not updated or updated the latest database before, you need to update it again, or you will not be able to update if you do not have an Internet connection. I tried copying the **KRD2018_Data** folder to the USB drive but it did not work for me.

I've heard that there is an alternative way to cope with this situation by making a second partition on the USB drive, then copy **KRD2018_Data** folder to the 2nd partition of that USB drive, then change the update folder settings to that specific folder. Well, there is no such settings anymore on the USB/CD based Kaspersky Rescue Disk. So we need to think about it in a special way.

3. Roadmap

We will update the definitions manually for Kaspersky Rescue Disk 2018 by replacing its latest **005-bases.srm** file.

4. Obtain the latest virus definitions files

a) Download the 042-freshbases.srm file from Kaspersky official website, rename it to **005-bases.srm** and copy it to the **USB:>/data/005-bases.srm** path.
b) Download the hashes.txt file from Kaspersky official website, rename it to **005-bases.srm.sha512**, and overwrite it with the **USB:>/data/005-bases.srm.sha512** path. This is the file containing the hash of the file above, you can compare these two hashes, if different means that you are using the old version and should update.

5. Alternative method

Alternative way is to copy the **042-freshbases.srm** file from **KRD2018_Data** folder on the Internal hard disk and rename it to **005-bases.srm**; then use Powershell command to calculate the SHA512 hash as below:

```
C:\KRD2018_Data\Bases> get-filehash –algorithm sha512 .\042-freshbases.srm | Format-List > 005-bases.srm.sha512
```

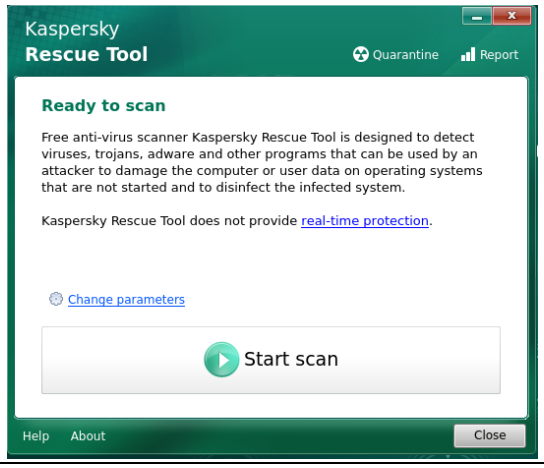
Then edit the text of the file **005-bases.srm.sha512** to be one-line as below:

```
005-bases.srm.sha512
1  FAECBFC631B2C7A93A709E77457B03B036B1CA769EBACDE5D4B826B5C940DA3650AAFB9B41DE8A94029D87F55
   C2D1703A0A1D5222A26C18485806D007A78ED74 *005-bases.srm
2
```

Finally copy the new 005-bases.srm and 005-bases.srm.sha512 to USB:\data\, replace the files when prompted.

6. Final test prior to going wild

You now have the most up-to-date virus database. Do not forget to manually update the ISOs (using PowerISO or UltraISO apps) to ensure you always use the latest version even on offline computers. Anyway, the database will soon be outdated (3 days' criteria, as far as I know). You should attach ISOs to any virtual machine and test to make sure everything works well before burning.



CREDITS:

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