

# USING BOOTABLE RESCUE DISKS TO REMOVE MALWARE FROM A "WINDOWS.." COMPUTER

by Francis Chao  
fchao2@yahoo.com



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# SUMMARY

When your "Windows.." computer gets infected with malware, you can use various free bootable "rescue disks" to remove the infection. For the more virulent ransomware infections, the "rescue disks" are the only method for rescuing your computer.

# TOPICS

- Configuring your "Windows.." computer  
(so that bootable CDs/DVDs/USB flash drives can boot it up)
- Using the free "ImgBurn" program  
(to create bootable CDs/DVDs if you are running "Windows 7" or "Windows Vista")

# TOPICS (continued)

- Technical advice on various free "rescue disks"

# CONFIGURING YOUR "WINDOWS.." COMPUTER

- To use various free rescue CDs/DVDs/USB flash drives, you have to configure the BIOS or UEFI of your "Windows.." computer so that it will boot up from one of these devices.

See

[http://aztcs.org/meeting\\_notes/winhardsig/BIOStoUEFI/BIOStoUEFI.pdf](http://aztcs.org/meeting_notes/winhardsig/BIOStoUEFI/BIOStoUEFI.pdf)

# USING THE FREE "IMGBURN" PROGRAM

- If you have a "Windows XP", or a "Windows Vista", or a "Windows 7" computer,

ImgBurn is a great free software application for burning and copying DVDs and CDs.

It can also create \*.iso image files of actual CDs, DVDs, and any files/folders on a hard drive.

# USING THE FREE "IMGBURN" PROGRAM (continued)

- You can get ImgBurn at <http://www.imgburn.com/>



# USING THE FREE "IMGBURN" PROGRAM

- If you have a "Windows 8" or a "Windows 8.1" or a "Windows 10" computer, you do not need "ImgBurn" for burning CDs and DVDs from .ISO files.

However, "ImgBurn" is still handy for making .ISO files from CDs and DVDs.

# 1. "BITDEFENDER RESCUE CD"

- Usually works with UEFI with Secure Boot enabled (If it does not, disable Secure Boot)
- Works with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

# 1. "BITDEFENDER RESCUE CD" (continued)

- Go to <http://www.bitdefender.com/support/how-to-create-a-bitdefender-rescue-cd-627.html>
- Download `bitdefender-rescue-cd.iso`

```
*Start the Bitdefender Rescue CD in English
Bitdefender Rescue CD Start en Francais
Start Bitdefender Rescue CD in deutscher Sprache
Inicio de Bitdefender Rescue CD en espanol
Türkçe Bitdefender Rescue CD Başlangıç
Inicie o BitDefender Rescue CD em Português
Porniți Bitdefender Rescue CD în Română
Troubleshooting (verbose logging, EN)
```



Use the ↑ and ↓ keys to select which entry is highlighted.  
Press enter to boot the selected OS, `e` to edit the commands before booting or `c` for a command-line.

## 2. "AVIRA RESCUE CD"

- Does not work with UEFI with Secure Boot enabled so you must disable "Secure Boot" if "Secure Boot" is enabled
- Works with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

## 2. "AVIRA RESCUE CD" (continued)

- Go to <http://www.avira.com/en/download/product/avira-rescue-system>
- Download [rescue-system.iso](#)

### 3. "NORMAN RESCUE DISK"

- Usually works with UEFI with Secure Boot enabled (If it does not, disable Secure Boot)
- Works with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

### 3. "NORMAN RESCUE DISK" (continued)

- Go to [https://www.norman.com/us/norman\\_rescue\\_disk](https://www.norman.com/us/norman_rescue_disk)
- Download `norman_rescue_disk.iso` after giving them an email address



## 4. "KASPERSKY RESCUE DISK"

- Does not work with UEFI with Secure Boot enabled
- Does not work with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

## 4. "KASPERSKY RESCUE DISK" (continued)

- Go to  
<http://support.kaspersky.com/4162>
- Download  
kav\_rescue\_10.iso

## 5. "PANDA SAFEDISK"

- Does not work with UEFI with Secure Boot enabled
- Does not work with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

## 5. "PANDA SAFEDISK" (continued)

- Go to  
<http://www.pandasecurity.com/usa/homeusers/support/card/?id=80152>
- Download  
PandaSafeCD.iso

## 6. "AVG RESCUE CD"

- Does not work with UEFI with Secure Boot enabled
- Does not work with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

## 6. "AVG RESCUE CD" (continued)

- Go to <http://www.avg.com/us-en/avg-rescue-cd>
- Download `avg_arl_cdi_all_120_150511a9757.iso`

## 7. "COMODO RESCUE DISK"

- Does not work with UEFI with Secure Boot enabled
- Does not work with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

## 7. "COMODO RESCUE DISK" (continued)

- Go to <https://www.comodo.com/business-security/network-protection/rescue-disk.php>
- Download `comodo_rescue_disk_XXXXXXXXX.x.iso`



## 8. F-SECURE "RESCUE CD"

- Does not work with UEFI with Secure Boot enabled
- Does not work with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

## 8. F-SECURE "RESCUE CD" (continued)

- Go to [https://www.f-secure.com/en/web/labs\\_global/rescue-cd](https://www.f-secure.com/en/web/labs_global/rescue-cd)
- Download [rescue-cd-3.16-73600.iso](#)

## 9. "ANVI RESCUE DISK"

- Does not work with UEFI with Secure Boot enabled
- Does not work with UEFI with Secure Boot disabled
- Works with UEFI with Compatibility Support Module (CSM) enabled
- Works with BIOS

## 9. "NORTON BOOTABLE RECOVERY TOOL" (continued)

- Go to
- <https://security.symantec.com/nbrt/nbrt.aspx>
- Download  
NBRT.iso

## ADDITIONAL INFORMATION

- Avast only lets you make a bootable rescue CD if you purchase and install the not-free version of "Avast.."
- eScan's "eSCAN Rescue Disk" booted up but it then failed to operate
- McAfee does not have a free bootable rescue CD
- Vipre offers a portable scanning app but they do not offer a bootable rescue CD