
Safe mode with networking

Autor:

Data de publicació: 25-10-2017

Drivers & Services which load in safe mode in Windows

When a serious problem occurs or Windows fails to start normally, there is another mode available to log in to Windows for solving issues and fixing errors, known as Safe Mode. Have you ever think why Windows always boots easily in Safe mode whether there is any type of problem persists.

This is because Safe mode starts Windows only with the basic drivers and services, due to this any type of virus or any other problem are not able effect the system and you can easily solve the problems.

The list of drivers and services which loads when Windows boots in Safe mode:

Devices and drivers that start in safe mode

Floppy disk drives (internal and USB)
Internal CD-ROM drives (ATA, SCSI)
External CD-ROM drives (USB)
Internal DVD-ROM drives (ATA, SCSI)
External DVD-ROM drives (USB)
Internal hard disk drives (ATA, SATA, SCSI)
External hard disk drives (USB)
Keyboards (USB, PS/2, serial)
Mice (USB, PS/2, serial)
VGA display cards (PCI, AGP)

Windows services that start in safe mode

Windows event log
Plug and Play
Remote procedure call (WPC)
Cryptographic Services
Windows Defender
Windows Management Instrumentation (WMI)

Network-related devices and services that start in safe mode

Network adapters (wired Ethernet and wireless 802.11x)
Dynamic Host Configuration Protocol (DHCP)
DNS

Network connections
TCP/IP-NetBIOS Helper
Windows Firewall

Windows/temp

users/manel/AppData/Local/Temp

I would like to listen to music while in safe mode. I have tried to start the audio service manually, but it returns error code 1068.

This is how to do it in Windows XP:

Run (?Win+R) regedit

Press Ctrl+F

Make sure Keys, Values, and Data are all selected

Type in Sound, video and game controllers

Click [Find Next]

Take note of the branch address in the status bar at the bottom (it will be something like

HKEY_LOCAL_MACHINESYSTEMControlSet001ControlClass{4D36E96C-E325-11CE-BFC1-09002BE10318})

Copy the device-driver GUID (the long numeric part between braces) and paste it somewhere like Notepad

Navigate to HKEY_LOCAL_MACHINESYSTEMCurrentControlSetControlSafeBootNetwork

Create a new key (right-click, select New ? Key)

Copy the GUID you saved and paste it into the key name

Edit the (Default) value and type Sound, video and game controllers

Create several new keys (under Network) called AudioEndpointBuilder, MMCSS and Audiosrv

Edit the (Default) values of each of the new keys and type Service

Reboot (you'll boot into safe-mode)

Open the Services snap-in (?Win+R ? services.msc)

Start the Multimedia Class Scheduler, Windows Audio Endpoint Builder, and Windows Audio Service services