

SECURITY

REQUIREMENTS

ANTI VIRUS
FIREWALLS
MALWARE
PASSWORDS
BACKUP

Modems & Routers

- ⦿ Can be separate or combined
- ⦿ **Combined**
- ⦿ Preset name and password
- ⦿ To change need to sign into Modem
- ⦿ **Separate**
- ⦿ To change need to sign into Both

MINIMUM REQUIREMENT

**ANTI VIRUS
FIREWALL**

Both are Built in for Windows

Microsoft Security Essentials

Installed and turned on during Windows install

ANTI VIRUS

- ◎ MUST HAVE AN ANTI VIRUS PROGRAM
- ◎ MUST UPDATE IT FOR SAFETY, AUTOMATIC UPDATE RECOMMENDED
- ◎ PROTECTED ONLY UP TO THE DATE INDICATED
- ◎ DON'T RUN COMPUTER WITHOUT IT
- ◎ USE ONLY ONE AV

FIREWALL

- ◎ HELPS PREVENT HACKERS FROM YOUR INDIVIDUAL COMPUTER
- ◎ HARDWARE OR SOFTWARE – DSL AND CABLE USES BOTH
- ◎ STOPS SOMEONE VIEWING OR ACCESSING YOUR FILES
- ◎ STOPS SOMEONE USING YOUR COMPUTER AS A ZOMBIE TO SEND E-MAIL BOMBS. (MASS MAILING)

ANTIVIRUS PROGRAMS

(Free)

Avast..... www.avast.com

AVG..... www.grisoft.com

Avira..... www.avira.com

Bitdefender.. www.bitdefender.com/solutions/free.html

GOOGLE

www.pcmag.com/picks/the-best-free-antivirus-protection

SOFTWARE FIREWALLS (FREE)

COMODO.....

[WWW.COMODO.COM](http://www.comodo.com)

Zone Labs ZoneAlarm (Home Edition)

www.zonelabs.com

Ghostwall Security

www.ghostsecurity.com/ghostwall/

APPLE (MACs)

DAYS OF MACs BEING IMMUNE ARE OVER

HAS BUILT IN FIREWALL **BUT MUST BE TURNED ON**

PREVENTS OTHER COMPUTERS & SERVERS CONNECTING

DOES NOT HAVE A SPECIFIC AV

USES CODING IN ios

RECOMMENDED TO ADD AN AV.

FREE ANTI_VIRUSES SOFTWARE

Avast.. <https://www.avast.com/en-us/avast-one#pc>

MALWARE

- ◎ UNWANTED SOFTWARE (TROJANS, WORMS, PHISHING)
- ◎ SCANS FOR SOFTWARE THAT GETS BY AV
- ◎ MALWARE PROGRAMS (FREE)

Spyware Blaster

www.javacoolsoftware.com/spywareblaster.html

SUPERAntiSpyware... www.superantispyware.com/

Malwarebytes... www.malwarebytes.org

SECURITY APPS FOR *ANDRIOD*

◎ TABLETS & PHONE

- ◎ Has built-in protection (TEE)
- ◎ Sets standards that APP developers have to meet
- ◎ Side loads APPS not from Play Store (Sandbox) & Scans

- ◎ Protects the Play Store
 - ◎ Malware Scanning
 - ◎ Monthly updates

PASSWORDS

- ◎ **Strength is determined by combination of character and length**
- ◎ **AVOID**
 - Your First Name
 - Your Last Name
 - Your Birth Date
 - Your Pet's Name
 - Your Street Name
 - Your High School
 - Your Username or Tel number
- ◎ **TIPS**
 - Use Long Passwords (Recommend 8 characters minimum)
 - Use both letters and numbers
 - If possible use characters like: *,%,@ or ^
 - Frequently change your password
 - Do not write passwords down. [Use Password manager.](#)
 - Don't choose 'save my password' when using public computers
Don't save Passwords to Browsers

FREE PASSWORD MANAGERS

- ① Dashlane
 - ① Roboform
 - ① Lastpass
 - ① Many more
-
- ① ALL HAVE BOTH A FREE AND PAID VERSION

Test Password Strength

www.security.org/how-secure-is-my-password/

Back-Up

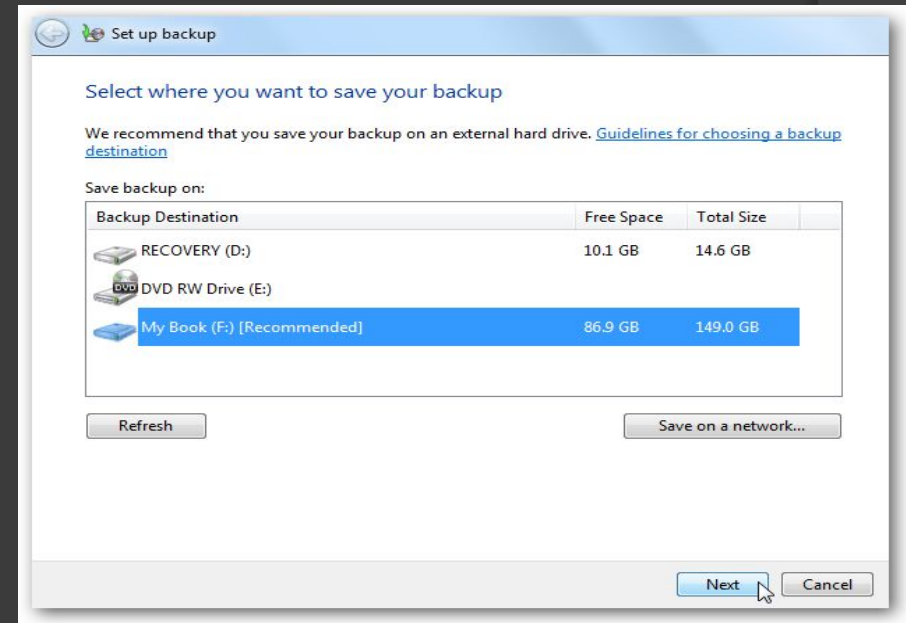
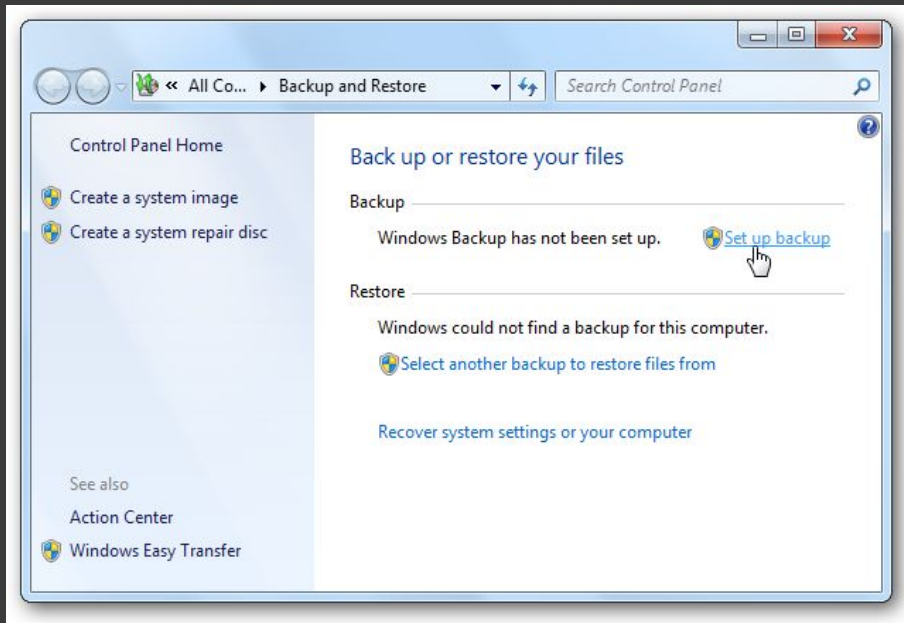
- ◎ ALL COMPUTERS SHOULD PERIODICALLY BE BACKED UP
- ◎ WIN 10 & 11 HAS A BUILT IN BACKUP SOFTWARE PLUS **ONE DRIVE** This OPTION DOES NOT BACKUP PROGRAMS or SYSTEM FILES, ONLY PERSONAL FILES AUTO & MANUAL WILL BACKUP **SELECTED** FILES
- ◎ YOU MUST HAVE A TARGET WHERE BACUP IS STORED. YOU CAN USE:
External hard drive, dvd/cd or thumb Drive

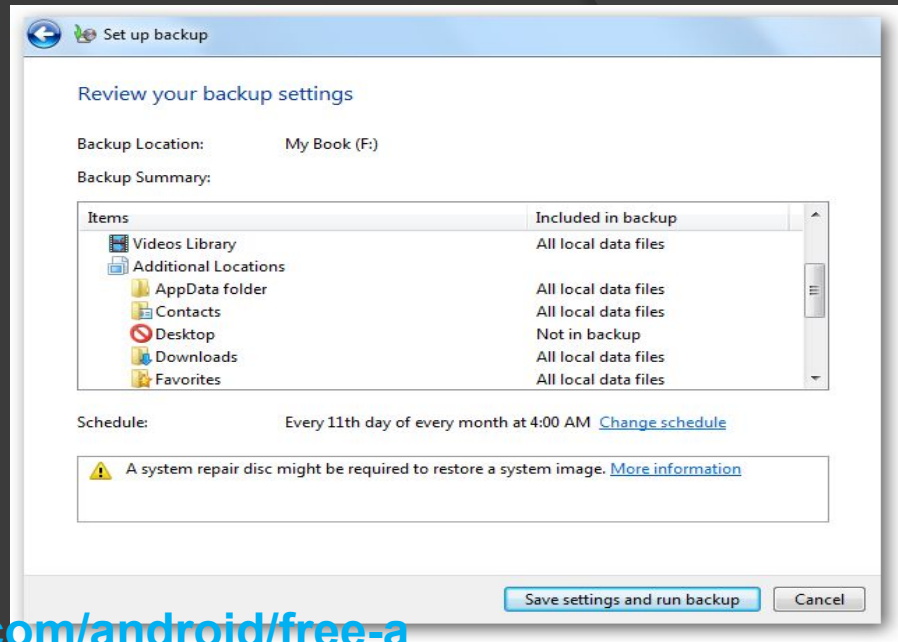
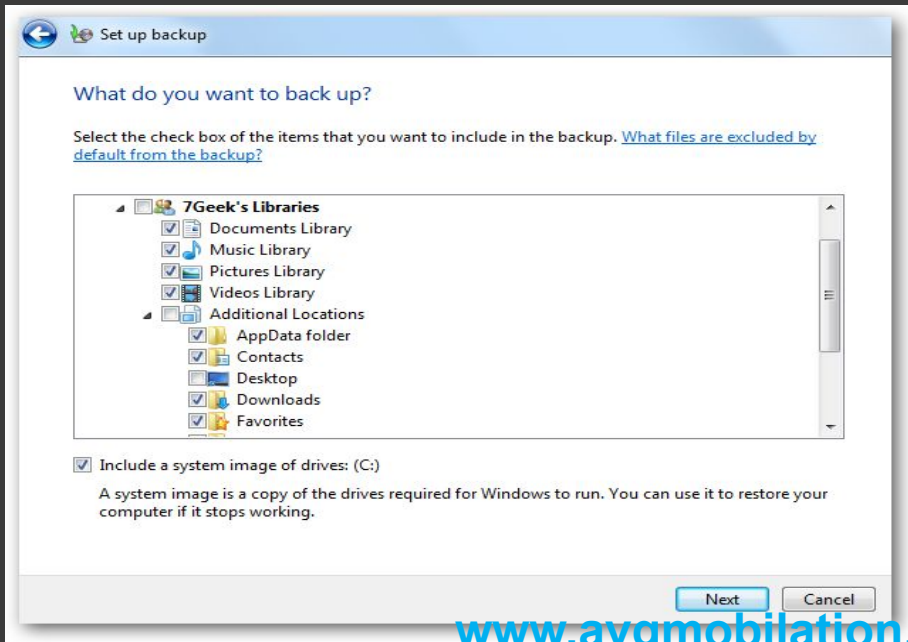
APPLE Has Cloud and iTunes

WIN PROGRAM

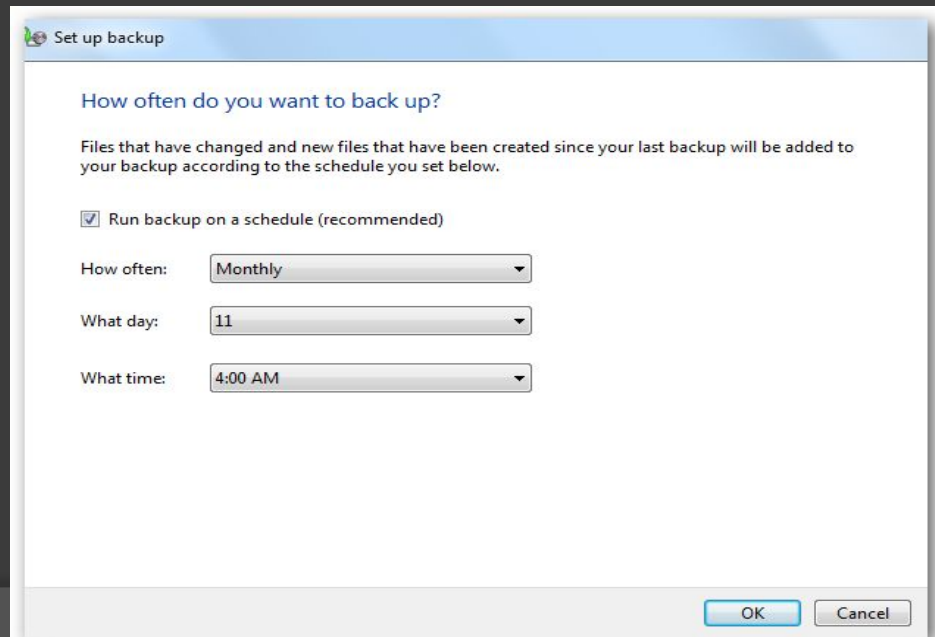
Open Control Panel and select; “Backup” and Restore. Click “Set up Backup”

Select where to backup





www.avgmobilation.com/android/free-antivirus



CLOUD BACKUP

- ◎ AN ALTERNATIVE BACKUP IS AN EXTERNAL SERVICE. (CLOUD)
- ◎ THESE ARE FEE BASED.
- ◎ TRANSFER FILES TO NEW COMPUTER OR NEW DISC
- ◎ MOST POPULAR ARE:
- ◎ CARBONITE <http://www.carbonite.com/>
- ◎ JUSTCLOUD.COM <http://www.justcloud.com/>
- ◎ MYPCBACKUP <http://www.mypcbackup.com/>

2 STEP SIGN-IN

- ◎ 2 STEP SIGN-IN VERIFIES IT'S YOU
- ◎ MANY SITES REQUIRE IT'S USE.
- ◎ REQUIRES ABILITY TO BE TEXTED CALLED OR EMAILED MAILED.
- ◎ SITE SENDS A CODE THAT NEEDS TO BE ENTERED.
- ◎ OTHER TYPE IS SELECT A GROUP OF
- ◎ PICTURES

ADVANCED USERS ONLY

VIRTUAL PERSONAL

NETWORK

- ◎ VPN
- ◎ Used as an added line of defense
- ◎ Has 100s of servers around the world
- ◎ Allows you to connect to another location
- ◎ Some sites MAY not allow connections.
- ◎ May be offered with some Malware programs
- ◎ **DO NOT INSTALL UNLESS YOU TOTALLY UNDERSTAND WHAT IT IS AND HOW IT FUNCTIONS**

FOR THE PARANOID

- ◎ GOOGLE (TRACKS YOU)

 - WWW.GOOGLE.COM/HISTORY

- ◎ USE ALTERNATIVE BROWSER

 - DUCKDUCKGO

 - WWW.DUCKDUCKGO.COM

 - IXQUICK

 - WWW.IXQUICK.COM

- ◎ FOR THE REALLY PARANOID

 - TOR (PROXY SERVERS)

 - WWW.TORPROJECT.ORG

Security and Back-up

Thank you for attending