

SECURITY TIPS

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IMPORTANT THINGS TO KNOW

HACKERS ARE OUT THERE

NO SYSTEM CAN BE 100% SECURED

USE BASIC PROTECTION AS A MINIMUM

OPERATING SAFER CAN BETTER PROTECT YOU



AREAS NEEDING PROTECTION

- ▣ **COMPUTER**
 - **PCs & MACS**
- ▣ **CELLPHONES**
- ▣ **TABLETS**
- ▣ **WIRELESS ROUTER**
- ▣ **USING THE INTERNET**

BASIC PROTECTION

- ❑ **Computer Settings**
- ❑ **Anti-Virus**
- ❑ **Firewalls**
- ❑ **Malware Blockers**
- ❑ **Passwords**

ANTI-VIRUS

MUST have an Anti Virus program

- ▣ Windows Defender built in. Activated at install
- ▣ IOS built in but must be activated
- ▣ MUST keep it updated. Set for Auto Update
- ▣ Protected ONLY from date indicated

DON'T RUN COMPUTER WITHOUT IT

- ▣ Don't open attachments you can't identify

SOME POPULAR WIN & MAC

- ▣ **Total** <https://www.totalav.com>
- ▣ **Avast** <https://www.avast.com/en>
- ▣ **Avira** <https://www.avira.com>
- ▣ **Bitdefender** <https://www.bitdefender.com>
- ▣ **All have Free versions that are good**

OPERATING SAFER

- ▣ **Modify Windows Settings**
- ▣ **Use Stronger Passwords**
- ▣ **Use Passkeys**
- ▣ **Two Step Authentication**
- ▣ **Safe Email Accounts**
- ▣ **Disable vulnerable software**
- ▣ **Modify internet access settings (Change router ID)**
- ▣ **Using VPNs**

ACCOUNT TYPE

- ❑ Windows **REQUIRES** one Administrator
- ❑ Default will always be “Administrator”
- ❑ Set up a second User as “Standard”.
- ❑ Sign in as “Standard” user
 - Can't change advanced settings.
 - Can't install programs.
 - Requires Administrator password.
- ❑ Use the Administrator account **ONLY** when required

Change Account Type

Go to Control Panel and open “User Accounts “
Click Manage another Account then Add a Standard
Account

Choose a new account type for gpaff1@gmail.com



gpaff1@gmail.com
Password protected



Standard

Standard accounts can use most software and change system settings that don't affect other users or the security of this PC.

Administrator

Administrators have complete control over the PC. They can change any settings and access all of the files and programs stored on the PC.

FIREWALL

- ▣ **Not all Firewalls are perfect**
 - Win 7 thru 11 have a built in Firewall
(Win Defender)
 - Security Suites will replace it if installed
 - Routers have a built in Firewall (with limitations)
 - MAC IOs has also but must be activated

Security suites offering free firewall

Zone Alarm

Comodo

<https://www.zonealarm.com/software/free-firewall>

<https://personalfirewall.comodo.com/>

PORTS

- ▣ Some software require open ports for access
 - Could make you vulnerable
 - Unless required, all should be closed
 - You can Test for open ports

<https://www.grc.com/x/ne.dll?bh0bkyd2>

PORT TEST

<https://www.grc.com/x/ne.dll?bh0bkyd2>

If you are new to this site and our services:

Please take just a moment to read and consider these three points:

Your use of the Internet security vulnerability profiling services on this site constitutes your FORMAL PERMISSION for us to conduct these tests and requests our transmission of Internet packets to your computer. ShieldsUP!! benignly probes the target computer at your location. Since these probings must travel from **our** server to **your** computer, you should be certain to have administrative right-of-way to conduct probative protocol tests through any and all equipment located between your computer and the Internet.

NO INFORMATION gained from your use of these services will be retained, viewed or used by us or anyone else in any way for any purpose whatsoever.

If you are using a personal firewall product which LOGS contacts by other systems, you should expect to see entries from this site's probing IP addresses: **4.79.142.192** -thru- **4.79.142.207**. Since we own this IP range, these packets will be from us and will NOT BE ANY FORM OF MALICIOUS INTRUSION ATTEMPT OR ATTACK on your computer. You can use the report of their arrival as handy confirmation that your intrusion logging systems are operating correctly, but please do not be concerned with their appearance in your firewall logs. It's expected.

Proceed

HOME

ShieldsUP!! Services

HELP

File Sharing

Common Ports

All Service Ports

Messenger Spam

Browser Headers

You may select any service from among those listed above . . .

User Specified Custom Port Probe

Lookup Specific Port Information

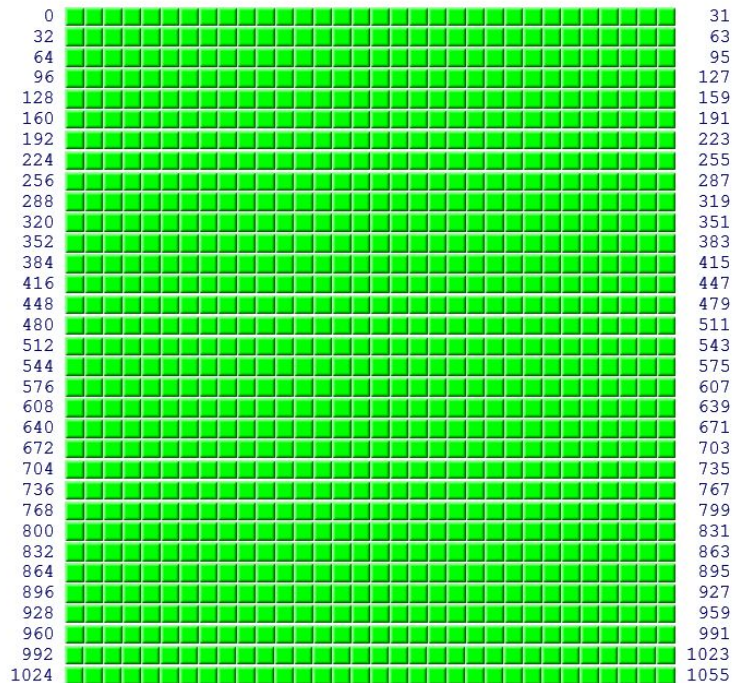
Or enter a port to lookup, or the ports for a custom probe to check, then choose the service. Your computer at IP 75.80.240.35 will be tested.

SUMMARY

Your computer at IP:

75.80.240.35

Is being carefully examined:



The port number of any location on the grid above may be determined by floating your mouse over the square. Most web browsers will display a pop-up window to identify the port. Otherwise, see the URL display at the bottom of your browser.

■ Open ■ Closed ■ Stealth

Total elapsed testing time: 68.930 seconds

[Text Summary](#)

PASSWORDS

Password

Forgot your password?



TIPS

Strength of the password is your BEST defense

Strength is determined by combination of numbers characters and length (8 minimum, 12+ Preferred)

<u>AVOID</u>	<u>TIPS</u>
<ul style="list-style-type: none">• Your First Name• Your Last Name• Your Birth Date• Your Pet's Name• Your Street Name• Your High School• Your Username	<ul style="list-style-type: none">• Use Long Passwords (Min 8-12)• Use both letters and numbers• Use characters: * or ^• Frequently change passwords• Use Password manager• Don't choose 'save password' when using public computers

PASSWORD MANAGERS

Dashlane

Roboform

Lastpass

Keeper

Only need to remember one password
(Master)

Some offer a free version but usually limits
amount of passwords saved

Most will actually generate a password

TEST STRENGTH

How Secure Is My Password?

 The #1 Password Strength Tool. Trusted and used by millions.

ENTER PASSWORD

Entries are 100% secure and not stored in any way or shared with anyone. Period.

- ❑ goodheart 22minutes
 - ❑ goodHeart 8 Days
 - ❑ goodHeart& 14 yrs
 - ❑ \$goodHeart& 927 yrs
-
- ❑ <https://www.security.org/how-secure-is-my-password/>

PASSKEY

- ▣ Presented and discussed previously
- ▣ (On Website)
- ▣ Better protection over passwords
- ▣ Not offered from all sites
- ▣ If available, **SETUP & USE**

TWO STEP AUTHENTICATION

- ▣ Some sites allow or Require Two Step Authorization

Google, Facebook, Microsoft, Apple
Banks, Brokerages etc.

USE IT IF AVAILABLE

- ▣ How does two-factor authentication work?
- ▣ You need to provide two pieces of information to get into your account.
 - The first is your password.
 - The second is another code which may be sent by phone or text

EXAMPLE

Personal

Business

Online Banking Login



[Forgot Password?](#)

Submit

For your security, let's make sure it's you



We'll text you with a one-time code.

By continuing, you agree that we can send you the code using the number you select.

Availability may be affected by your mobile carrier's coverage area. Your mobile carrier's message and data rates may apply.

Select one

Mobile ***-***-2970



Mobile ***-***-2971



Home ***-***-2970



Try another method



CODE ENTRY

Enter code ✕

Your code was sent to ***-***-2970 by text message. [Get a new code](#)

Code

[Try another method](#) [Continue](#)

SMARTPHONES & TABLETS

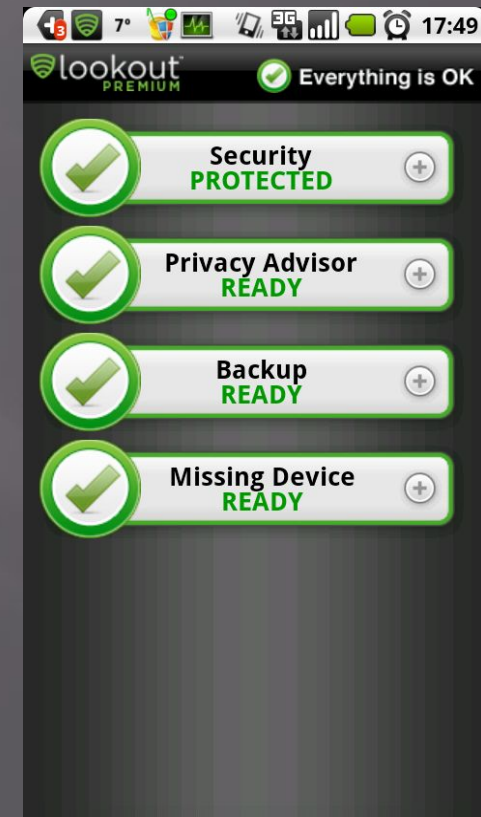
LOOKOUT

(Basic version is FREE)

Specializes in **Mobile** device security

Android - Pre installed

Apple - Available in Apple store



ROUTER SECURITY

- ▣ Most Routers come with set security
- ▣ Change the default name of your router.
- ▣ Change your router's pre-set password
- ▣ Verify Encryption
- ▣ Two Types of encryption
 - TKIP & AES. Most new Routers Default to AES
 - Router and Computer must be set to same type
- ▣ Two best Methods of encryption to use:
WPA2-PSK or WPA3-SAE.

EMAIL SECURITY

- ▣ Change password periodically
- ▣ Be observant
- ▣ Scammers use similar sounding sites
- ▣ When you get mail you don't recognize, look carefully at the sending address
- ▣ DO NOT click on links if in doubt

DISPOSABLE EMAIL

- ▣ An email account when you don't want to give out your primary email.
 - Valid when used
 - Can be set up with expiration date
 - Infected attachments (virus/malware) contained
 - Less "Junk" mail in personal mail

Shouldn't be used for Finance or sites with Sensitive information

Two with different features

<https://www.temporarymail.com>

<https://www.emailondeck.com>

SPOT THE DIFFERENCE

Spot the Difference?

maybank2u.com is not the same as
maybank2u.com

citibank.com is not the same as
citibank.com

(the first one is correct, the second one
is from hackers)

The "a" in the later url is a cyrillic
alphabet.

An average internet user can easily fall
for this. Be careful for every mail
requiring you to click on a link.

Please Stay Alert

Insecure and Awful Software JAVA

- ▣ Used to develop Software
- ◆ Used by Hackers to infiltrate
- ▣ Not needed 99.5% of the time by users
- ▣ At a Minimum, **KEEP IT CURRENT**
- ▣ Should be Disabled or Uninstalled
 - Disable in Browsers Add Ons
 - Uninstall in Control Panel

ActiveX

- ▣ Some websites need ActiveX to view it.
- ▣ Can be compromised
- ▣ Browsers asks if you want to install the ActiveX.
- ▣ If ActiveX is not essential, avoid installing

WEB SECURITY

- ▣ **Best Defense**
- ▣ **Don't open suspect sites or email**
- ▣ **Don't use real information**
 - **Wrong Answer to question**
 - **Remember the false information**
- ▣ **Use an anonymous Search Engine**
- ▣ **Duckduckgo.com**
 - **Google not anonymous**
- ▣ **Use encrypted connection when possible**

MALWARE

- ▣ Unwanted Software
 - Mostly Worms, Trojans, Adware , Virus
- ▣ Most are caught with AV software but not all
Anti-malware software will find & remove

Availble Anti-malware software

Malwarebytes <https://www.malwarebytes.com>

Superantispyware <http://www.superantispyware.com>

(Both have free versions)

Utility Software

Glary Utilities

Has built in tools to optimize your PC

Helps to:

- Clean registry

- Identify outdated Apps and software

- Boot up faster

- Launch Apps faster

- Increase Storage space

<https://www.glarysoft.com/downloads/>

VPN (Virtual Personal Network)

This screenshot shows a VPN application interface. At the top, there is a search bar and a notification bell. Below are tabs for 'Locations', 'Static IP', 'MultiHop', and 'Dedicated IP'. The 'Locations' tab is active, displaying a list of countries and cities. A yellow arrow points from the 'United States Phoenix' entry in the list to a large circular graphic on the right side of the screen, which contains a blue shield icon with a white 'S'. Below this graphic, a white card displays the selected location: 'United States Phoenix' with a star icon, a status bar that reads 'Protected. Your connection is safe', and two buttons: 'Disconnect' and 'Pause'.

Search

Locations Static IP MultiHop Dedicated IP

Fastest location

Nearest country

FAVORITES

- United States Phoenix

LOCATIONS

- Albania Tirana
- Algeria (Virtual)
- Andorra Andorra la Vella
- Argentina (Virtual)

United States Phoenix

Protected. Your connection is safe

Disconnect Pause

This screenshot shows the same VPN application interface as the first, but with the 'France Paris' location selected. A yellow arrow points from the 'France Paris' entry in the list to the large circular graphic on the right, which now contains the blue shield icon with a white 'S'. The white card below the graphic displays 'France Paris' with a star icon, the status 'Protected. Your connection is safe', and 'Disconnect' and 'Pause' buttons.

Search

Locations Static IP MultiHop Dedicated IP

- Egypt (Virtual)
- Estonia Tallinn
- Finland Helsinki
- France Bordeaux
- France Marseille
- France Paris
- Georgia (Virtual)
- Germany Frankfurt am Main

France Paris

Protected. Your connection is safe

Disconnect Pause

CONCLUSION

- ▣ Use available Security Software
- ▣ Run Security software as needed (once a week)
- ▣ Stay Alert



QUESTIONS??

