

# HACKING

## AN UNOFFICIAL ANONYMOUS GUIDE

A collage of names and a biohazard symbol.



windows  
internet

Jonathan Jones

# HACKING

*An unofficial anonymous guide*

Windows and Internet

All hacking tricks are applicable for both  
**Windows 7** and **Windows 8**

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## **CHAPTER 1** **INTRODUCTION TO HACKING**

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### **1.1 Hacking**

The most fundamental meaning of hacking is gaining unauthorized access to data in a system or computer.

*Hacking is exploiting security controls either in a technical, physical or a human-based element.*  
~ Kevin Mitnick



However, the word "**hacking**" has two definitions. The first definition refers to the hobby/profession of working with computers. The second definition refers to modifying computer hardware or software in a way that changes the creator's original intent.

It is the art of exploiting computers to get access to otherwise unauthorized information. Now that the world is using IT systems to gather, store and manipulate important information there is also a need to make sure that data is secure. However, no system is without its problems. Holes are often present within security systems which, if exploited, allow hackers to gain access to this otherwise restricted information.

## 1.2            **Hacker**

Computer Hackers have been around for so many years. Since the Computer and Internet became widely used in the World, We have started to hear more and more about hacking.

As the word ‘Hacking’ has two meanings, so the word ‘Hacker’ is a word that has two meanings:

Traditionally, a Hacker is someone who likes to play with Software or Electronic Systems. Hackers enjoy Exploring and Learning how Computer systems operate. They love discovering new ways to work electronically.

Recently, Hacker has taken on a new meaning that someone who finds weaknesses in a computer or computer network, though the term can also refer to someone with an advanced understanding of computers and computer networks.

Normally, Hackers are people who try to gain unauthorized access to your computer.

With controversy, the term hacker is reclaimed by computer programmers who argue that someone breaking into computers is better called a cracker, not making a difference between computer criminals (black hats) and computer security experts (white hats). Some white hat hackers claim that they also deserve the title hacker, and that only black hats should be called crackers.

*If hackers, if anyone committing a criminal act, wants to reduce their risk, they obviously don't involve anybody else. The greater the circle of people that know what you're doing, the higher the risk. ~ Kevin Mitnick*

## 1.3            **Classifications of Hacker**

There are many more types of hackers in the world according to their motive and type of work. The following list forwards one mote steps to better knowing hackers.

## **White hat hacker**

The term "White hat hacker" refers to an ethical hacker, or a computer security expert, who specializes in penetration testing and in other testing methodologies to ensure the security of an organization's information systems. Ethical hacking is a term coined by IBM meant to imply a broader category than just penetration testing. White-hat hackers are also called penetration tester, sneakers, red teams, or tiger teams. Generally, White hat hackers or ethical hackers are the good guy in the world of hackers.

## **Black hat hacker**

A black hat hacker is an individual with extensive computer knowledge whose purpose is to breach or bypass internet security. Black hat hackers are also known as crackers or dark-side hackers. The general view is that, while hackers build things, crackers break things. They are computer security hackers that break into computers and networks or also create computer viruses. The term "black hat" comes from old westerns where the bad guys usually wore black hats.

Black hat hackers break into secure networks to destroy data or make the network unusable for those who are authorized to use the network.

They choose their targets using a two-pronged process known as the "pre-hacking stage".

Step 1: Targeting

Step 2: Research and Information Gathering

Step 3: Finishing the Attack

## **Grey hat hacker**

A grey hat hacker is a combination of a black hat and a white hat hacker. It may relate to whether they sometimes arguably act illegally, though in good will, or to show how they disclose vulnerabilities. They usually do not hack for personal gain or have malicious intentions, but may be prepared to technically commit crimes during the course of their technological exploits in order to achieve better security.

## **Elite hacker**

A social status among hackers, elite is used to describe the most skilled. Newly discovered activities will circulate among these hackers.

## **Script kiddie**

A script kiddie (or skiddie) is a non-expert who breaks into computer systems by using pre-packaged automated tools written by others, usually with little understanding of the underlying concept hence the term script (i.e. a prearranged plan or set of activities) kiddie (i.e. kid, child an individual lacking

knowledge and experience, immature).

## **Neophyte**

A neophyte, "n00b", or "newbie" is someone who is new to hacking or phreaking and has almost no knowledge or experience of the workings of technology, and hacking.

## **Blue hat**

A blue hat hacker is someone outside computer security consulting firms who is used to bug test a system prior to its launch, looking for exploits so they can be closed. Microsoft also uses the term BlueHat to represent a series of security briefing events.

## **Hacktivist**

A hacktivist is a hacker who utilizes technology to announce a social, ideological, religious, or political message. In general, most hacktivism involves website defacement or denial-of-service attacks.

## **Nation state**

It refers to Intelligence agencies and cyber warfare operatives of nation states.

## **Organized criminal gangs**

Criminal activity carried on for profit.

## **Bots**

Automated software tools, some freeware, available for the use of any type of hacker.

### ***What does it take to become a hacker?***

*Becoming a great hacker isn't easy and it doesn't happen quickly. Being creative helps a lot. There is more than one way a problem can be solved, and as a hacker you encounter many problems. The more creative you are the bigger chance you have of hacking a system without being detected. Another huge quality you must have is the will to learn because without it, you will get nowhere. Remember, Knowledge is power. Patience is also a must because many topics can be difficult to grasp and only over time will you master them.*

## **1.4              Famous Hackers of All Time**

### **Kevin Mitnick : a.k.a *The Condor, The Darkside Hacker***



**Kevin David Mitnick** (born August 6, 1963) is an American computer security consultant, author and hacker.

*He was once the most wanted cybercriminal in the world. He had an obsession with computers that escalated into a two and half year hacking spree where he stole millions of dollars of corporate secrets from IBM, Motorola, telecom companies and even the National Defense warning system.*

At age 15, Mitnick used social engineering and dumpster diving to bypass the punch card system used in the Los Angeles bus system. After a friendly bus driver told him where he could buy his own ticket punch, he could ride any bus in the greater LA area using unused transfer slips he found in the trash. Social engineering later became his primary method of obtaining information, including user-names and passwords and modem phone numbers.

Mitnick first gained unauthorized access to a computer network in 1979, at 16, when a friend gave him the phone number for the Ark, the computer system Digital Equipment Corporation (DEC) used for developing their RSTS/E operating system software. He broke into DEC's computer network and copied their software, a crime he was charged with and convicted of in 1988. He was sentenced to 12 months in prison followed by three years of supervised release. Near the end of his supervised release, Mitnick hacked into Pacific Bell voice mail computers. After a warrant was issued for his arrest, Mitnick fled, becoming a fugitive for two and a half years.

According to the U.S. Department of Justice, Mitnick gained unauthorized access to dozens of computer networks while he was a fugitive. He used cloned cellular phones to hide his location and, among other things, copied valuable proprietary software from some of the country's largest cellular telephone and computer companies. Mitnick also intercepted and stole computer passwords, altered computer networks, and broke into and read private e-mail. Mitnick was apprehended on February 15, 1995, in Raleigh, North Carolina. He was found with cloned cellular phones, more than 100 clone cellular phone codes, and multiple pieces of false identification.

In 1999, he was convicted of various computer and communications-related crimes. At the time of his arrest, he was the most-wanted computer criminal in the United States.

 **U.S. Department of Justice  
United States Marshals Service**

**WANTED  
BY U.S. MARSHALS**

NOTICE TO ASSISTING AGENCY: Before arrest, advise warrant through National Crime Information Center (NCIC).  
United States Marshals Service NCIC entry number: NCIC\_WI214800024

NAME: MITNICK, KEVIN DAVID  
AKS (S): MITNICK, KEVIN DAVID  
MERKILL, KEVIN ALLEN

DESCRIPTION:  
Sex: MALE  
Race: WHITE  
Place of Birth: NEW YORK, CALIFORNIA  
Date of Birth: 09/07/1963 2/18/70  
Height: 5'11"  
Weight: 190  
Eyes: Brown  
Hair: Brown  
Skin: Light  
Scar, Marks, Tatuage: JOHN KIRK  
Social Security Number (SSN): 330-39-3495  
MC: Fugitive Classification: HOPDOPHC 101PMI/SWRS

ADDRESS AND LOCATIONS KNOWN TO RESIDE: IN THE SAN JERONIMO VALLEY AREA OF CALIFORNIA AND LAS VEGAS, NEVADA

WANTED FOR: VIOLATION OF COMPUTER RELATED FEDERAL LAWS  
CRIMINAL CHARGE: POSSESSION OF COMPUTER ACCESS DEVICE; COMPUTER PIAIS  
Warrant Issued: CENTRAL DISTRICT OF CALIFORNIA  
Warrant Number: 9312-1112-0124-C

DATE WARRANT ISSUED: NOVEMBER 16, 1992

MISCELLANEOUS INFORMATION: SUBJECT SUFFERS FROM A WEIGHT PROBLEM AND MAY HAVE EXPERIENCED WEIGHT GAIN OR WEIGHT LOSS

TRANSPORTATION INFORMATION: NONE KNOWN - OFTEN USES PUBLIC TRANSPORTATION

If arrested or whereabouts known, notify the local United States Marshals Office, (Telephone: 212-334-2883)

If no answer, call United States Marshals Service Communications Center in McLean, Virginia.  
Telephone: (703)737-4200. C4 four telephone numbers: NCIC access code or VA/AT&T/DOCO

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Since 2000, Mitnick has been a paid security consultant, public speaker and author. He does security consulting for Fortune 500 companies, performs penetration testing services for the world's largest companies and teaches Social Engineering classes to dozens of companies and government agencies.

## **Vladimir Levin : a.k.a Vova**

### *First internet bank robber*

*He is a Russian-born Jewish individual famed for his involvement in the attempt to fraudulently transfer USD 10.7 million via Citibank's computers.*



He was delivered into U.S. custody in September 1997, and tried in the United States District Court for the Southern District of New York. In his plea agreement he admitted to only one count of conspiracy to defraud and to stealing US\$3.7 million. In February 1998 he was convicted and sentenced to three years in jail, and ordered to make restitution of US\$240,015. Citibank claimed that all but US\$400,000 of the stolen US\$10.7 million had been recovered.

In 2005 an alleged member of the former St. Petersburg hacker group, claiming to be one of the original Citibank penetrators, published under the name ArkanoID a memorandum on popular Provider.net.ru website dedicated to telecom market. According to him, Levin was not actually a scientist (mathematician, biologist or the like) but a kind of ordinary system administrator who managed to get hands on the ready data about how to penetrate in Citibank machines and then exploit them.

ArkanoID emphasized all the communications were carried over X.25 network and the Internet was not involved. ArkanoID's group in 1994 found out Citibank systems were unprotected and it spent several weeks examining the structure of the bank's USA-based networks remotely. Members of the group played around with systems' tools (e.g. were installing and running games) and were unnoticed by the bank's staff. Penetrators did not plan to conduct a robbery for their personal safety and stopped their activities at some time. One of them later handed over the crucial access data to Levin (reportedly for the stated \$100).

*In 2005 an anonymous hacker group came claiming that they were the ones truly responsible for the theft and that they only sold Vladimir the data needed to steal the money.*

## **Gary McKinnon : a.k.a Solo**



*He was known by his Internet handle, "Solo." Using that name, he coordinated what would become the largest military computer hack of all time. The allegations are that he, over a 13-month period from February 2001 to March 2002, illegally gained access to 97 computers belonging to the U.S. Armed Forces and NASA.*

He claimed that he was only searching for information related to free energy suppression and UFO activity cover-ups. But according to U.S. authorities, he deleted a number of critical files, rendering over 300 computers inoperable and resulting in over \$700,000 in damages.

Being of Scottish descent and operating out of the United Kingdom, he was able to dodge the American government for a time. As of today, he continues to fight against extradition to the United States.

### **Mathew Bevan (a.k.a *Kuji*) and Richard Pryce (a.k.a *Datasream Cowboy*)**



This British hacking duo took the U.S. government for a ride when they attacked the Pentagon's network for several weeks in 1994. They copied battlefield simulations from Griffiss Air Force Base in New York, intercepted messages from U.S. agents in North Korea, and got access into a Korean nuclear facility. Pryce was a 16-year-old then, and Bevan was 21 (he's thought to have been tutoring Pryce).

The hacking attacks were especially troublesome for the U.S. government because they couldn't tell if the duo was using their system to hack into a South or North Korea - if it were North Korea, the attacks could've been seen as an act of war. Luckily, South Korea was the hackers' target, and after an international investigation, they were arrested in the following year.

### **Michael Calce : a.k.a *MafiaBoy***



*He was a high school student from West Island, Quebec, who launched a series of highly publicized denial-of-service attacks in February 2000 against large commercial websites, including Yahoo!, Fifa.com, Amazon.com, Dell, Inc., E\*TRADE, eBay, and CNN. He also launched a series of failed simultaneous attacks against 9 of the 13 root name servers.*

On February 7, 2000, Calce targeted Yahoo! with a project he named Rivolta, meaning “riot” in Italian. Rivolta was a denial-of-service attack in which servers become overloaded with different types of communications to the point where they shut down completely. At the time, Yahoo! was a multibillion dollar web company and the top search engine. Mafiaboy's Rivolta managed to shut down Yahoo! for almost an hour. Calce's goal was, according to him, to establish dominance for himself and TNT, his cybergroup, in the cyberworld. Buy.com was shut down in response. Calce responded to this in turn by bringing down Ebay, CNN, Amazon and Dell.com via DDoS over the next week.

In a 2011 interview, Calce tried to redeem his image by saying that the attacks had been launched unwittingly, after inputting known addresses in a security tool he had downloaded from a repository on the now defunct file-sharing platform Hotline, developed by Hotline Communications. Calce would then have left for school, forgetting the application which continued the attacks during most of the day. Upon coming home Calce found his computer crashed, and restarted it unaware of what had gone on during the day. Calce claimed when he overheard the news and recognized the companies mentioned being those he had inputted earlier in the day that he "started to understand what might have happened".

### **Adrian Lamo : a.k.a *The Homeless hacker***



*He was a mobile hacker who launched his work from the confines of Internet cafes, libraries or coffee shops. He actually did it just as a challenge and for fun, as he would regularly break into computer systems and then immediately tell the owner of the network about its vulnerability. He even made himself an expert by adding his name to the database of the New York Times.*

Lamo first gained media attention for breaking into several high-profile computer networks, including those of The New York Times, Yahoo!, and Microsoft, culminating in his 2003 arrest. In 2010, Lamo reported U.S. soldier PFC Bradley Manning (now known as Chelsea Manning) to federal authorities, claiming that Manning had leaked hundreds of thousands of sensitive U.S. government documents to WikiLeaks. Manning was arrested and incarcerated in the U.S. military justice system and later sentenced to 35 years in confinement.

### **Jeanson James Ancheta : a.k.a *Resilient***

*He became the first person to be charged for controlling large numbers of hijacked computers or botnets on May 9, 2006.*



In 2004 he started to work with botnets rxbot, a computer worm that can spread his net of infected computers which gave him control to 500,000 computers including US military computers.

In November 2005 he was captured in an elaborate sting operation when FBI agents lured him to their local office on the pretext of collecting computer equipment. The arrest was part of the Operation Bot Roast.

On May 9, 2006 Ancheta pleaded guilty to four felony charges of violating United States Code Section 1030, Fraud and Related Activity in Connection with Computers. Ancheta must serve 60 months in prison, forfeit a 1993 BMW and more than \$58,000 in profit. He must also pay restitution of \$15,000 US to the U.S. federal government for infecting the military computers.

### **Jonathan James : a.k.a c0mrade**

*He (December 12, 1983 – May 18, 2008) was an American hacker who was the first juvenile incarcerated for cybercrime in the United States. The South Florida native was 15 years old at the time of the first offense and 16 years old on the date of his sentencing.*



What is his ticket to fame? He was convicted and sent to prison for hacking in the United States—all while he was still a minor. At only fifteen years of age, he managed to hack into a number of networks, including those belonging to Bell South, Miami-Dade, the U.S. Department of Defense, and NASA.

Yes, James hacked into NASA's network and downloaded enough source code to learn how the International Space Station worked. The total value of the downloaded assets equaled \$1.7 million. To add insult to injury, NASA had to shut down their network for three whole weeks while they investigated the breach, which cost them \$41,000.

The story of James has a tragic ending, however. In 2007, a number of high profile companies fell

victim to a massive wave of malicious network attacks. Even though James denied any involvement, he was suspected and investigated. In 2008, James committed suicide, believing he would be convicted of crimes that he did not commit.

## **Albert Gonzalez**



*He paved his way to Internet fame when he collected over 170 million credit card and ATM card numbers over a period of 2 years. Yep. That's equal to a little over half the population of the United States.*

He started off as the leader of a hacker group known as ShadowCrew. This group would go on to steal 1.5 million credit card numbers and sell them online for profit. ShadowCrew also fabricated fraudulent passports, health insurance cards, and birth certificates for identity theft crimes totaling \$4.3 million stolen.

The big bucks wouldn't come until later, when Gonzalez hacked into the databases of TJX Companies and Heartland Payment Systems for their stored credit card numbers. In 2010, Gonzalez was sentenced to prison for 20 years (2 sentences of 20 years to be served out simultaneously).

## **Kevin Poulsen : a.k.a Dark Dante**



*He gained his fifteen minutes of fame by utilizing his intricate knowledge of telephone systems. At one point, he hacked a radio station's phone lines and fixed himself as the winning caller, earning him a brand new Porsche. According to media, he was called the "Hannibal Lecter of computer crime."*

He then earned his way onto the FBI's wanted list when he hacked into federal systems and stole wiretap information. Funny enough, he was later captured in a supermarket and sentenced to 51 months in prison, as well paying \$56,000 in restitution.

Like Kevin Mitnick, Poulsen changed his ways after being released from prison. He began working as

a journalist and is now a senior editor for Wired News. At one point, he even helped law enforcement to identify 744 sex offenders on MySpace.

## Anonymous



The concept of being a “digital Robin Hood” was far from being conceived, but in the computer age, it is very likely that someone somewhere has bagged this title. A “hacktivist group” called Anonymous are known with the penname of being the “digital Robin Hood” amongst its supporters. Identified in public by wearing a Guy Fawkes Masks, Anons, as they are widely known, have publicized themselves by attacking the government, religious and corporate websites. The Vatican, the FBI, the CIA, PayPal, Sony, Mastercard, Visa, Chinese, Israeli, Tunisian, and Ugandan governments have been amongst their targets. Although, Anons have been arguing whether to engage in a serious activism or a mere entertainment, many of the group members have clarified their intent which is to attack internet censorship and control.

Anonymous originated in 2003 on the imageboard 4chan, representing the concept of many online and offline community users simultaneously existing as an anarchic, digitized global brain.

Beginning with 2008's Project Chanology—a series of protests, pranks, and hacks targeting the Church of Scientology—the Anonymous collective became increasingly associated with collaborative hacktivism on a number of issues internationally. Individuals claiming to align themselves with Anonymous undertook protests and other actions (including direct action) in retaliation against anti-digital piracy campaigns by motion picture and recording industry trade associations.

In 2012, Time called Anonymous one of the "100 most influential people" in the world.

Anons have publicly supported WikiLeaks and the Occupy movement. Related groups LulzSec and Operation AntiSec carried out cyberattacks on US government agencies, media, video game companies, military contractors, military personnel, and police officers, resulting in the attention of law enforcement to the groups' activities. It has been described as being anti-Zionist, and has threatened to erase Israel from the Internet and engaged in the "#OpIsrael" cyber-attacks of Israeli websites on Yom HaShoah (Holocaust Remembrance Day) in 2013.

## LulzSec



LulzSec or Lulz Security, a high profile, Black Hat hacker group, gained credentials for hacking into Sony, News International, CIA, FBI, Scotland Yard, and several noteworthy accounts. So notorious was the group that when it hacked into News Corporations account, they put across a false report of Rupert Murdoch having passed away. While the group claims to have retired from their vile duties, the motto of the group, “Laughing at your security since 2011!” stays alive. There are assertions of the group having hacked into the websites of the newspapers like The Times and The Sun to post its retirement news. Many, however, claim that this group had taken it upon itself to create awareness about the absence of efficient security against hackers.

One of the founders of LulzSec was a computer security specialist who used the online moniker Sabu. The man accused of being Sabu has helped law enforcement track down other members of the organization as part of a plea deal. At least four associates of LulzSec were arrested in March 2012 as part of this investigation. British authorities had previously announced the arrests of two teenagers they allege are LulzSec members T-flow and Topiary.

## Astra

Astra, a Sanskrit word for weapon was the penname of a hacker who dealt in the weapon stealing and selling. A 58-year-old Greek Mathematician hacked into the systems of France’s Dassault Group, stole vulnerable weapons technology data and sold it to different countries for five long years. While the real identity of the ASTRA remains untraced, officials have said that he had been wanted since 2002. Astra sold the data to approximately 250 people from around the globe, which cost Dassault \$360 millions of damage.

## 1.5 Types of hacking attacks and techniques

A typical approach in a hacking attack on Internet-connected system is:

- **Network enumeration:** Discovering information about the intended target.
- **Vulnerability analysis:** Identifying potential ways of attack.
- **Exploitation:** Attempting to compromise the system by employing the vulnerabilities found through the vulnerability analysis.

In order to do so, there are several recurring tools of the trade and techniques used by computer criminals and security experts.

## Security exploits

A security exploit is a prepared application that takes advantage of a known weakness. Common

examples of security exploits are SQL injection, Cross Site Scripting and Cross Site Request Forgery which abuse security holes that may result from substandard programming practice. Other exploits would be able to be used through FTP, HTTP, PHP, SSH, Telnet and some web-pages. These are very common in website/domain hacking.

## Techniques of hacking

### Vulnerability scanner

A vulnerability scanner is a tool used to quickly check computers on a network for known weaknesses. Hackers also commonly use port scanners. These check to see which ports on a specified computer are "open" or available to access the computer, and sometimes will detect what program or service is listening on that port, and its version number. (Note that firewalls defend computers from intruders by limiting access to ports/machines both inbound and outbound, but can still be circumvented.)

### Password cracking



Password cracking is the process of recovering passwords from data that has been stored in or transmitted by a computer system. A common approach is to repeatedly try guesses for the password.

### Packet sniffer

A packet sniffer is an application that captures data packets, which can be used to capture passwords and other data in transit over the network.

### Spoofing attack (Phishing)



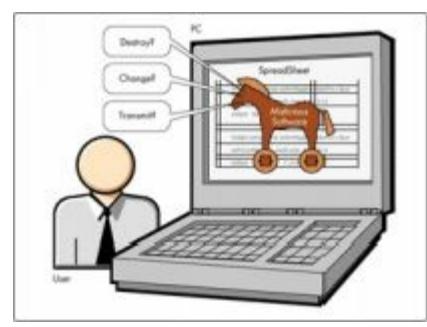
A spoofing attack involves one program, system, or website successfully masquerading as another by falsifying data and thereby being treated as a trusted system by a user or another program. The purpose of this is usually to fool programs, systems, or users into revealing confidential information, such as user names and passwords, to the attacker.

### Rootkit

A rootkit is designed to conceal the compromise of a computer's security, and can represent any of a set of programs which work to subvert control of an operating system from its legitimate operators. Usually, a rootkit will obscure its installation and attempt to prevent its removal through a subversion of standard system security. Rootkits may include replacements for system binaries so that it becomes impossible for the legitimate user to detect the presence of the intruder on the system by looking at

process tables.

## Trojan horses



A Trojan horse is a program which seems to be doing one thing, but is actually doing another. A trojan horse can be used to set up a back door in a computer system such that the intruder can gain access later. (The name refers to the horse from the Trojan War, with conceptually similar function of deceiving defenders into bringing an intruder inside.)

## Viruses



A virus is a self-replicating program that spreads by inserting copies of itself into other executable code or documents. Therefore, a computer virus behaves in a way similar to a biological virus, which spreads by inserting itself into living cells. While some are harmless or mere hoaxes most computer viruses are considered malicious.

## Worms



Like a virus, a worm is also a self-replicating program. A worm differs from a virus in that it propagates through computer networks without user intervention. Unlike a virus, it does not need to attach itself to an existing program. Many people conflate the terms "virus" and "worm", using them both to describe any self-propagating program.

## Key loggers



A key logger is a tool designed to record ('log') every keystroke on an affected machine for later retrieval. Its purpose is usually to allow the user of this tool to gain access to confidential information typed on the affected machine, such as a user's password or other private data. Some key loggers uses virus, trojan, and rootkit-like methods to remain active and hidden. However, some key loggers are

used in legitimate ways and sometimes to even enhance computer security. As an example, a business might have a key logger on a computer used at a point of sale and data collected by the key logger could be used for catching employee fraud.

## 1.6 Password



A password is a secret series of characters that enables a user to access a file, computer, or program. On multi-user systems, each user must enter his or her password before the computer will respond to commands. The password helps ensure that unauthorized users do not access the computer. In addition, data files and programs may require a password.

Ideally, the password should be something that nobody could guess. In practice, most people choose a password that is easy to remember, such as their name or their initials. This is one reason it is relatively easy to break into most computer systems.

### Strong Password

Strong Password refers to a password that is difficult to detect by both humans and computer programs, effectively protecting data from unauthorized access. It consists of at least six characters (and the more characters, the stronger the password) that are a combination of letters, numbers and symbols (@, #, \$, %, etc.) if allowed. Passwords are typically case-sensitive, so a strong password contains letters in both uppercase and lowercase. Strong passwords also do not contain words that can be found in a dictionary or parts of the user's own name.

### Weak password

A weak password refers to a password that is easy to detect both by humans and by computer. Examples of a weak password are names, birth dates, phone numbers, easy guessable words, etc.

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## CHAPTER 2

## WINDOWS HACKING

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### 2.1 Introduction to Windows Hacking

Windows hacking is the practice of modifying Windows Operating System to accomplish a goal

outside of the creator's original purpose. People who engage in hacking activities are often called hackers. Since the word "hack" has long been used to describe someone who is incompetent at his/her profession, some hackers claim this term is offensive and fails to give appropriate recognition to their skills. Windows hacking is most common among teenagers and young adults, although there are many older hackers as well.

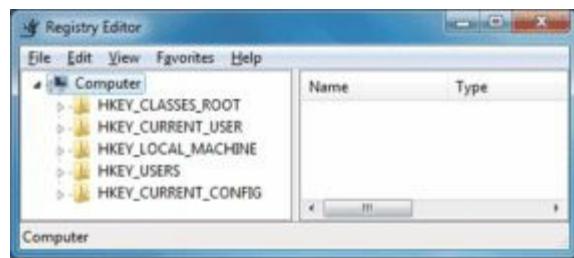
## 2.2 Registry Editor Related Hacking

### What is Windows Registry? (Registry Editor)



Windows Registry is a database used to store information that is necessary to configure the system for one or more users, applications and hardware devices and it keeps record of the settings of all the Software installed in Computer including Operating System.

*To open Registry Editor: Start > All Programs > Accessories > Run > regedit*



Registry Editor Window

Windows Registry contains **Five Hives** and hives contain **Keys** and **Sub keys** and their respective Values.

**HKEY\_CLASSES\_ROOT:** The information that is stored here makes sure that the correct program opens when you open a file by using Windows Explorer.

**HKEY\_CURRENT\_USER:** Contains the configuration information for the user who is currently logged on. The user's folders, screen colors, and Control Panel settings are stored here.

**HKEY\_LOCAL\_MACHINE:** Contains configuration information particular to the computer (for any user).

**HKEY\_USERS:** Contains all the actively loaded user profiles on the computer. HKEY\_CURRENT\_USER is a subkey of HKEY\_USERS.

**HKEY\_CURRENT\_CONFIG:** Contains information about the hardware profile that is used by the local computer at system startup.

### Types of Keys

**Binary Value (REG\_BINARY):** Raw binary data. Most hardware component information is stored as binary data and is displayed in Registry Editor in hexadecimal format

**DWORD Value (REG\_DWORD):** Data represented by a number that is 4 bytes long (a 32-bit integer). Can also contain binary, hexadecimal, or decimal format

**Expandable String Value (REG\_EXPAND\_SZ):** A variable-length data string. This data type includes variables that are resolved when a program or service uses the data

**String Value (REG\_SZ):** A fixed-length text string

**Multi-String Value (REG\_MULTI\_SZ):** Values that contain lists or multiple values in a form that people can read are generally this type.

**Disclaimer:** Modifying the registry can cause serious problems that may require you to reinstall your operating system. We cannot guarantee that problems resulting from modifications to the registry can be solved. Use the information provided at your own risk.

## Back up the registry

Before you make changes to a **registry key** or **subkey**, we recommend that you **export**, or make a **backup copy**, of the key or sub key. You can save the backup copy to a location you specify, such as a folder on your hard disk or a removable storage device. If you make changes that you want to undo, you can **import** the **backupcopy**.

1. Open the **Registry Editor** by clicking the **Start button**, typing **regedit** into the search box, and then pressing **Enter**.
2. Locate and click the **key** or **subkey** that you want to back up.
3. Click the **File** menu, and then click **Export**.
4. In the **Save in box**, select the location where you want to save the backup copy to, and then type a name for the backup file in the **Filename box**.
5. Click **Save**.

## Tips:

- You must be logged on as an administrator to perform these steps. If you aren't logged in as an administrator, you can only change settings that apply to your user account.
- Although you can back up more than just the registry key or subkey that you are modifying, doing so adds to the size of the backup file.

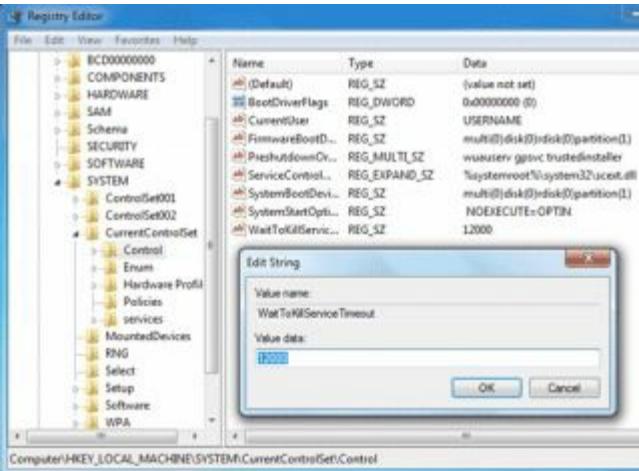
## Ultra-speed Shutdown of Windows 7

Follow the following steps to shutdown your Computer with ultra-speed

1. Open the **Registry Editor** by clicking the **Start button**, typing **regedit** into the search box, and

then pressing **Enter**.

2. In left pane of Registry Editor, go to **HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control**
3. In the right pane, right click on **WaitToKillServiceTimeout** and click on **Modify**.



4. Type in a number between **2000-20000 (2-20 seconds)** and click on **OK**

NOTE: The default time is **12000 (12 seconds)**.

5. Close **regedit**.
6. After rebooting (restart) Windows the new settings will take effect. The time to wait for terminating services will be faster and shutdown won't drag on forever.

NOTE: If you have problems with programs from your computer shutting down too quickly, then repeat the above steps and increase the time (Step 5) a bit.

## Change the log-on screen of Windows 7

1. Press **Windows Logo key + R** to open **Run**, type **regedit** and press **Enter**.
2. Go to:  
**HKEY\_LOCAL\_MACHINE\Software\Microsoft\Windows\CurrentVersion\Authentication\LogonUI\Background**
3. Double-click the **OEMBackground** DWORD key and Set value of the key to **1**.
4. Select a background image for logon screen with size less than 256 KB and **Rename** that image as **BackgroundDefault**.
5. **Copy** that image, **Open My Computer** and **go** to **C:\Windows\system32\oobe\info\backgrounds folder**
6. Paste it and select **Copy and Replace**.

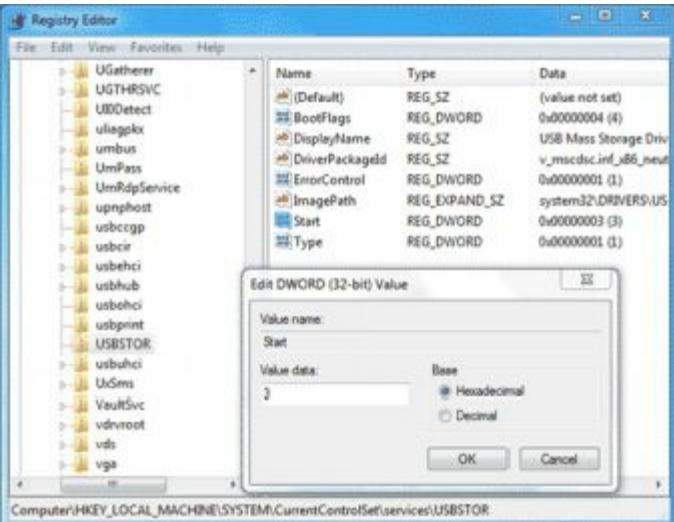
**Tips:** Cut and paste the original log-on Screen image in a folder for further use.

7. **Reboot**, and now your logon image would have changed.

## Disable or Enable USB Ports/USB drive/Pen-Drive in Windows 7

It's really very easy to enable and disable a USB port of your Laptop and desktop computer. Many companies disabled their employee's laptop to prevent data threat. Also many schools, colleges and universities block the USB ports of their computer. So, here is the easy way to enable USB ports, access it and disable it back.

1. Open the Registry Editor by clicking the **Start** button, typing **regedit** into the search box, and then pressing **Enter**.
2. In left pane of Registry Editor, go to **HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\USBSTOR**
3. Right Click **Start** and Click **Modify** on right pane of Registry Editor.



4. Do one of the following:
  - To **enable** USB ports: change the value from 4 to 3
  - To **disable** USB ports: change the Value from 3 to 4
5. After **rebooting (restart)** Windows the new settings will take effect. The time to wait for terminating services will be faster and shutdown won't drag on forever.

## How to Display Legal Notice on Start up of your Windows

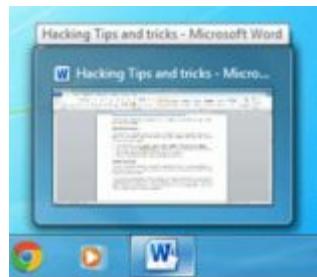
If your PC has multiple users then you can display legal notice to every user before they login to your PC. This legal notice will be displayed at every startup just before the Desktop is loaded. Using this you can tell your friends about the do's and don'ts in your computer when they login in your absence. To do this:

1. Click on **Start** button and type **regedit** and press **Enter**
2. Navigate to the following key in the registry  
**HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\sy**
3. On the right side pane look for **legalnoticecaption**, double click on it and enter the desired Legal Notice Caption.
4. Next below this look for **legalnoticetext** and enter the desired Legal Notice Text. The legal notice text can be up to a page in its size so that it can include a set of do's and don'ts for your computer.

5. After you does this just restart your computer and upon the next startup you can see the legal notice information for your computer.

## Faster Thumbnail Previews

The taskbar shows thumbnail previews of opened windows when you hover the mouse over the program icon. By default, it takes a little time for the preview to appear. Make the previews appear faster with this registry tweak:



1. Open the **Registry Editor** by clicking the **Start button**, typing **regedit** into the search box, and then pressing **Enter**.
2. Navigate to **HKEY\_CURRENT\_USER\Control Panel\Mouse**.
3. On the right, open the **MouseHoverTime** key and reduce its value from the default **400** to around **150**. (Be careful, as decreasing the key further may cause problems.)
4. After **rebooting (restart)** Windows the new settings will take effect.

## Disable Right-Click

This trick removes the context menu that would normally appear when the user right clicks on the desktop or in the Explorer right results pane.

1. Open the **Registry Editor** by clicking the **Start button**, typing **regedit** into the search box, and then pressing **Enter**.
2. **Browse to this key in the registry:**  
**HKEY\_Current\_User\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer**
3. Change the value of **NoViewContextMenu** to **1**.
4. Now close the registry editor and restart your computer after any changes to go into effect.

**Tips:** If **NoViewContextMenu** doesn't exist then you can create it. Right click in the right-hand pane; select New, then **DWORD (32-bit) Value** for 32 bit on Windows 7.

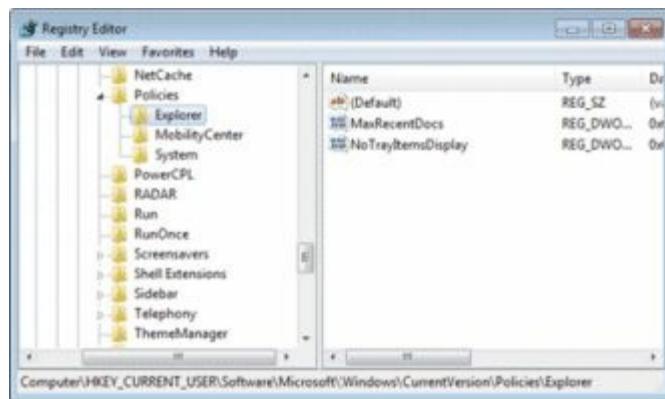
## How to Disable or Enable Folder Options in Windows 7

### Disable Folder Options in Windows 7

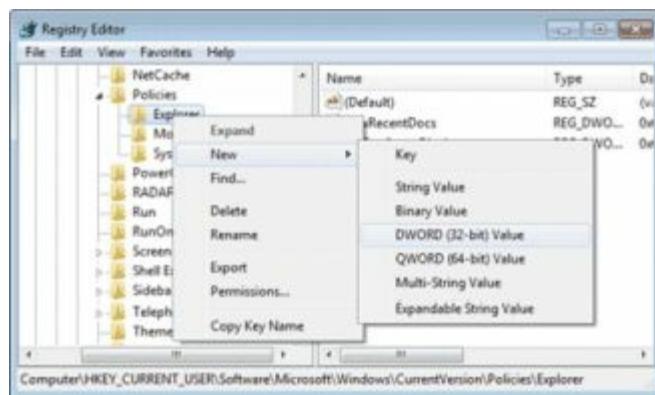
1. Click the **Start button**, and type **regedit** in the search box.

2. Browse the list as

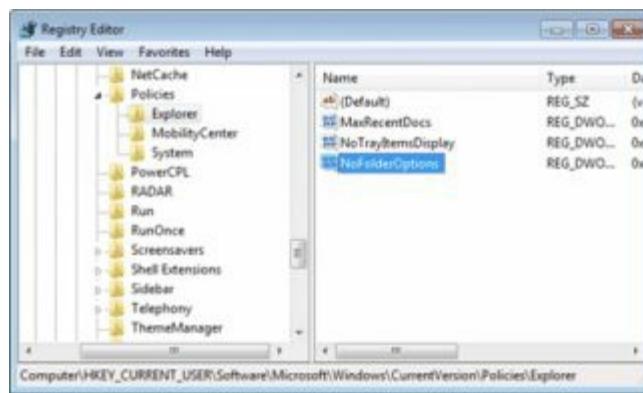
**HKEY\_CURRENT\_USER\Software\Microsoft\Windows\Current Version\Policies\Explorer**



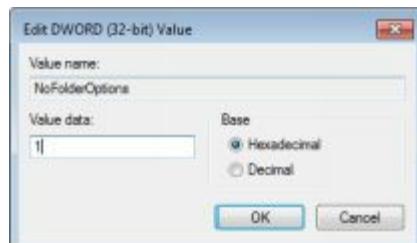
3. Create a new 32-bit DWORD value.



4. Name it **NoFolderOptions**.



5. Double click on it to set its value data to 1.



## Enable Folder Options in Windows 7

Double click on the value named **NoFolderOptions** to set its value data to **0**.

## Clean up the “Open With” Menu in Explorer

Have you ever accidentally opened an mp3 with Notepad, or a zip file with Word? If so, you’re also likely irritated that these programs now show up in the Open with menu in Windows Explorer every time you select one of those files. Whenever you open a file type with a particular program, Windows will add an entry for it to the Open with menu. Usually this is helpful, but it can also clutter up the menu with wrong entries. On our computer, we have tried to open a PDF file with Word and Notepad, neither of which can actually view the PDF itself. Let’s remove these entries. To do this, we need to remove the registry entries for these programs.

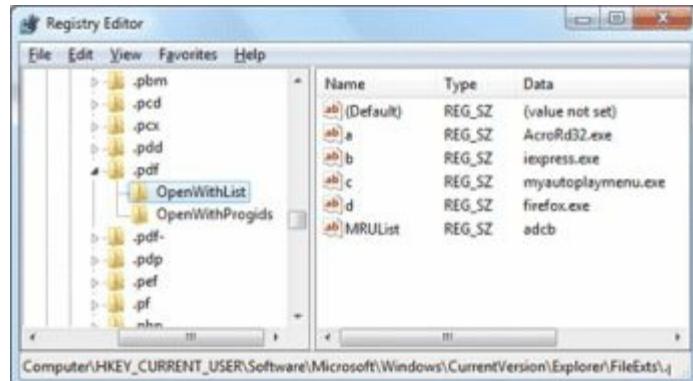
1. Enter **regedit** in your **Start** menu search or in the **Run** command to open the **Registry editor**.

**Tips:** Backup your registry first just in case, so you can roll-back any changes you make if you accidentally delete the wrong value.

2. Now, browse to the following key:

**HKEY\_CURRENT\_USER \Software \Microsoft \Windows \CurrentVersion \ Explorer \FileExts\**

3. Now, you will see a list of all the file extensions that are registered on your computer.

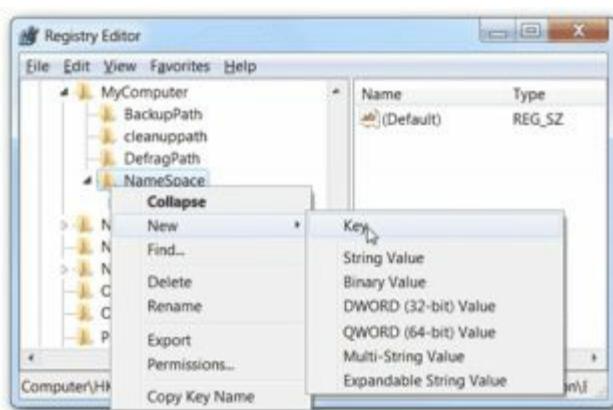


4. Browse to the file extension you wish to edit, click the white triangle beside it to see the subfolders, and select **OpenWithList**. In our test, we want to change the programs associated with PDF files, so we select the **OpenWithList** folder under **.pdf**.
5. Notice the names of the programs under the **Data** column on the right. **Right-click** the value for the program you don’t want to see in the Open With menu and select **Delete**.
6. Click **Yes** at the prompt to confirm that you want to delete this value.
7. Repeat these steps with all the programs you want to remove from this file type’s Open with menu. You can go ahead and remove entries from other file types as well if you wish.
8. Restart the computer and check out the **Open with** menu in Explorer again. Now it will be much more streamlined and will only show the programs you want to see.



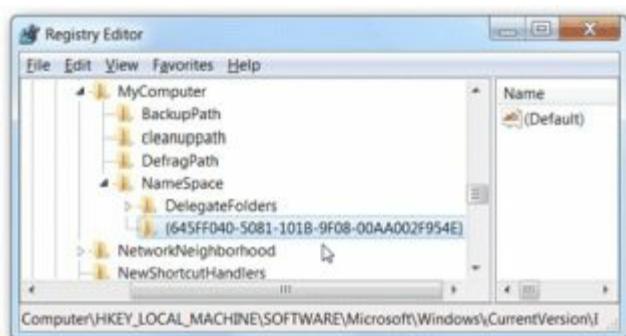
## To add the Recycle Bin on My Computer, follow the steps:

1. Open up **regedit.exe** through the start menu search or run box
2. Go to:  
**HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\**
3. Now right-click and create a New Key



4. Name the key with the following text as shown in the below figure:

**{645FF040-5081-101B-9F08-00AA002F954E}**



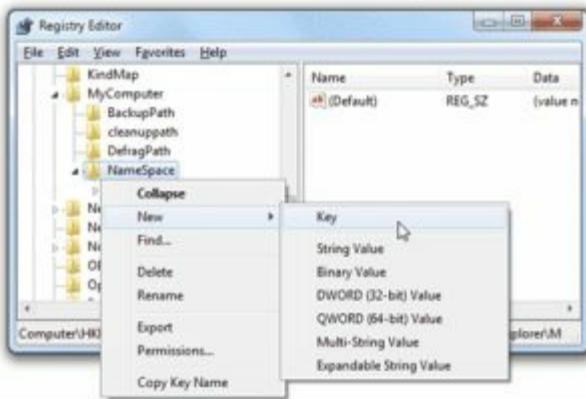
5. Close the Registry Editor and Open My Computer.

## Add Control Panel to My Computer in Windows 7

## To add the Control Panel on My Computer, follow the steps:

1. Open up **regedit.exe** through the start menu search or run box
2. Go to:  
**HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\**

### 3. Now right-click and create a New Key



4. Name the key with the following text as shown in the below figure

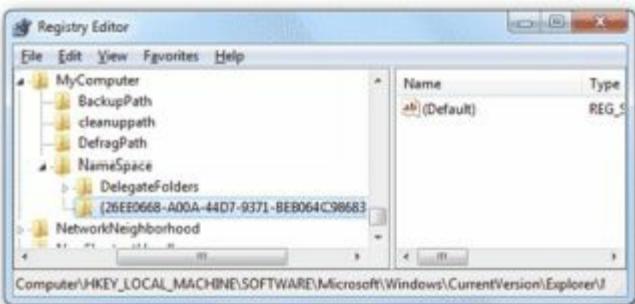
{26EE0668-A00A-44D7-9371-BEB064C98683}

Or

{21EC2020-3AEA-1069-A2DD-08002B30309D}

**Tips:**

- **Category View**  
{26EE0668-A00A-44D7-9371-BEB064C98683}
- **Icon View**  
{21EC2020-3AEA-1069-A2DD-08002B30309D}

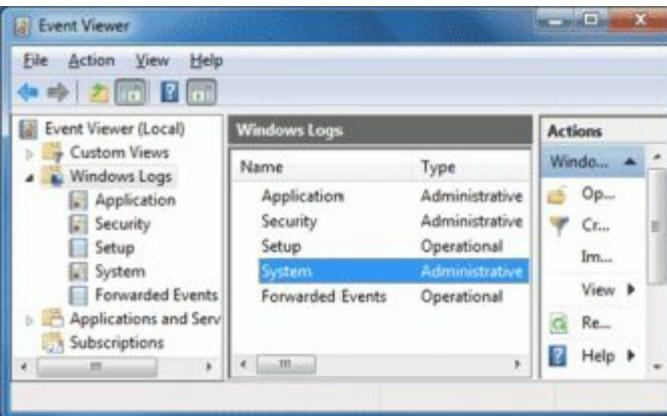


5. Close the **Registry Editor** and Open **My Computer**.

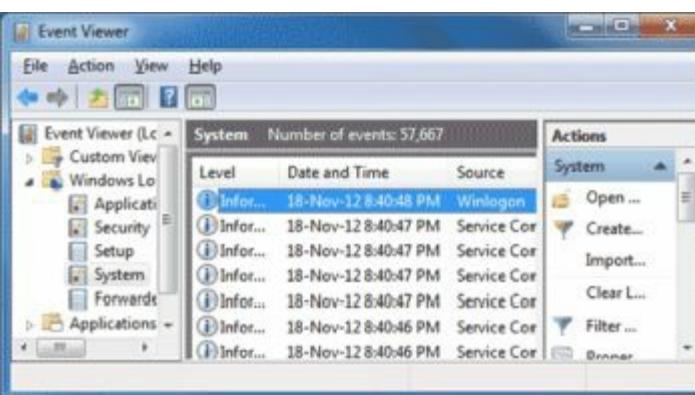
## 2.3 Local Group Policies Related Hacking

**Want to know: What happened in your absences on your PC?**

1. Press **Windows logo key + R** to open **Run**
2. Type **eventvwr.msc** and press **Enter**. Then **Event Viewer** window will open. (Events are stored in three log files: **Application**, **Security**, and **System**. These logs can be reviewed and archived. For our purposes we want the **System** log. )



3. Click on **Windows Log** and then double-click on **System** in the left-hand column for a list of events.



4. Look for a date and time when you weren't home and your computer should have been off. Double click on the eg: **Information** and it will show u the detail.

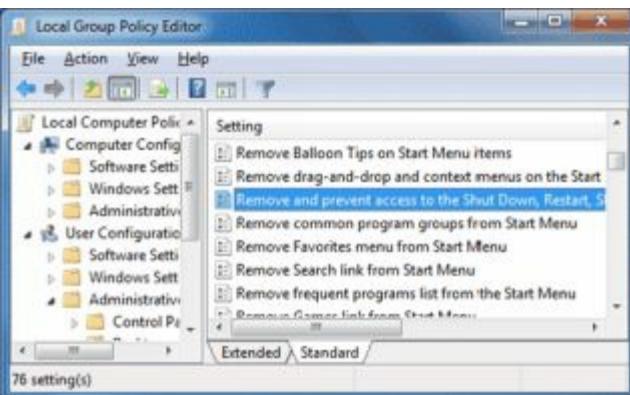
**Tips:** You can also use this log to see how long someone was on the computer. Just look at the time the computer was turned on and off for that day.

## How to Disable Shutdown, Restart, Sleep and Hibernate

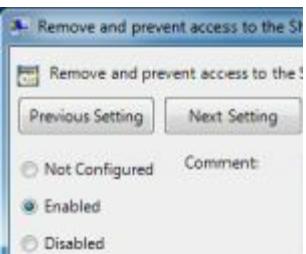
Someday, you might want to make a computer could not be turned off easily. For example because you are running a program that needs a long time to wait (download a big file, rendering a video, etc.) and you have to leave the room. To prevent anyone else to turn off the computer, then one way is to disable the function of Shutdown, Restart, Sleep or Hibernate menu.

**Follow these easy steps to disable Shutdown, Restart, Sleep and Hibernate:**

1. Click **Start** button, type **gpedit.msc** in the Start menu's search box and then press **Enter**. **Local Group Policy editor** window will open.
2. Go to **User Configuration > Administrative Templates > Start Menu And Taskbar**



3. In the right pane, find the **Remove and Prevent Access to the shutdown, Restart, Sleep, and Hibernate**. Then double click on it.



4. Select **Enable**, and then click **OK**.

### Tips:

- To make it back in to the normal function, just follow all the steps above, except for the last one; you need to change back the option from **Enable** to **Disable**.
- When being in a state of disable, in fact we can still shutdown the computer. The way is by typing the below instructions in the search (Windows 7) and press **Enter**.

shutdown /s (for shutdown)

shutdown /r (to restart)

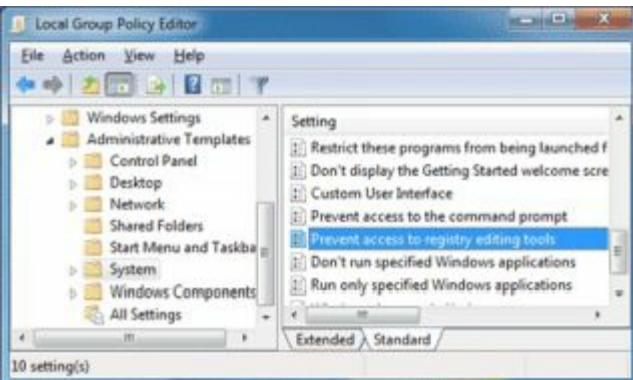
## How to Disable Access to the Registry in Windows 7

If you don't know what you're doing in the Registry, you can mess up your computer pretty good. This trick helps you to prevent users from accessing the Registry and making any changes to it.

To do this using **Local Group Policy Editor**:

**Tips:** This method uses Group Policy Editor which is not available in Home versions of Windows.

1. Type **gpedit.msc** into the Search box in the **Start** menu
2. When Group Policy Editor opens, navigate to **User Configuration \ Administrative Templates** then select **System**. Under **Setting** in the right panel double-click on **Prevent access to registry editing tools**.



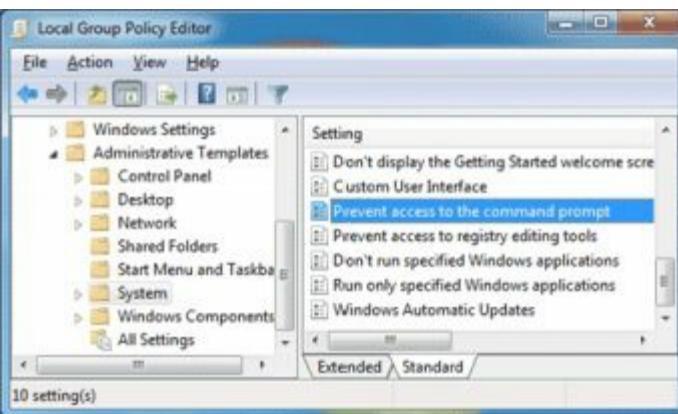
3. Select the radio button next to **Enabled**, click **OK**, then close out of Group Policy Editor.
4. Now if a user tries to access the Registry, Then he will get the following message advising they cannot access it.



## Prevent access to the command prompt

This trick helps you to prevent users from accessing the Command prompt.

1. Type **gpedit.msc** into the Search box in the **Start** menu
2. When **Group Policy Editor** opens, navigate to **User Configuration \ Administrative Templates** then select **System**. Under **Setting** in the right panel double-click on **Prevent access to the command prompt**.



3. Select the radio button next to **Enabled**, click **OK**, and then close out of **Group Policy Editor**.

## How to show or hide Control Panel items in Windows 7

One of the common lock down's that administrator apply to Remote Desktop Services Servers is to remove all but the essential control panel items. The **.cpl** (e.g. **timedate.cpl**) file name of the control panel item you wanted to show or hide however this has changed in Windows 7 and you now need to

use the Canonical Name when hiding or showing specific items. Below I will explain the new way of configuring control panel items for Windows 7 and show you the affect that this has on the control panel.

Before you begin I recommend that you take a look at the below table which lists all the Canonical names for the control panel items for Windows 7. You will need to know what Canonical names of the item you want to restrict or allow.

## Windows 7 Control Panel Canonical Names

The following canonical names are defined for Control Panel items in Windows 7. Not all Control Panel items are available on all varieties of Windows and some Control Panel items might appear only when appropriate hardware is detected.

Control Panel Item	Canonical name
Action Center	Microsoft.ActionCenter
Administrative Tools	Microsoft.AdministrativeTools
AutoPlay	Microsoft.AutoPlay
Backup and Restore	Microsoft.BackupAndRestore
Biometric Devices	Microsoft.BiometricDevices
BitLocker Drive Encryption	Microsoft.BitLockerDriveEncryption
Color Management	Microsoft.ColorManagement
Credential Manager	Microsoft.CredentialManager
Date and Time	Microsoft.DateAndTime
Default Location	Microsoft.DefaultLocation
Default Programs	Microsoft.DefaultPrograms
Desktop Gadgets	Microsoft.DesktopGadgets
Device Manager	Microsoft.DeviceManager
Devices and Printers	Microsoft.DevicesAndPrinters
Display	Microsoft.Display
Ease of Access Center	Microsoft.EaseOfAccessCenter
Folder Options	Microsoft.FolderOptions
Fonts	Microsoft.Fonts
Game Controllers	Microsoft.GameControllers
Get Programs	Microsoft.GetPrograms
Getting Started	Microsoft.GettingStarted
HomeGroup	Microsoft.HomeGroup

Indexing Options	Microsoft.IndexingOptions
Infrared	Microsoft.Infrared
Internet Options	Microsoft.InternetOptions
iSCSI Initiator	Microsoft.iSCSIInitiator
Keyboard	Microsoft.Keyboard
Location and Other Sensors	Microsoft.LocationAndOtherSensors
Mouse	Microsoft.Mouse
Network and Sharing Center	Microsoft.NetworkAndSharingCenter
Notification Area Icons	Microsoft.NotificationAreaIcons
Offline Files	Microsoft.OfflineFiles
Parental Controls	Microsoft.ParentalControls
Pen and Touch	Microsoft.PenAndTouch
People Near Me	Microsoft.PeopleNearMe
Performance Information and Tools	Microsoft.PerformanceInformationAndTools
Personalization	Microsoft.Personalization
Phone and Modem	Microsoft.PhoneAndModem
Power Options	Microsoft.PowerOptions
Programs and Features	Microsoft.ProgramsAndFeatures
Recovery	Microsoft.Recovery
Region and Language	Microsoft.RegionAndLanguage
RemoteApp and Desktop Connections	Microsoft.RemoteAppAndDesktopConnections
Scanners and Cameras	Microsoft.ScannersAndCameras
Sound	Microsoft.Sound
Speech Recognition	Microsoft.SpeechRecognition
Sync Center	Microsoft.SyncCenter
System	Microsoft.System
Tablet PC Settings	Microsoft.TabletPCSettings
Taskbar and Start Menu	Microsoft.TaskbarAndStartMenu
Text to Speech	Microsoft.TextToSpeech
Troubleshooting	Microsoft.Troubleshooting
User Accounts	Microsoft.UserAccounts
Windows Anytime Upgrade	Microsoft.WindowsAnytimeUpgrade
Windows CardSpace	Microsoft.CardSpace

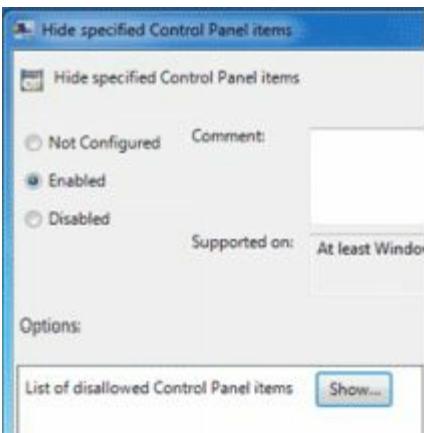
Windows Defender	Microsoft.WindowsDefender
Windows Firewall	Microsoft.WindowsFirewall
Windows Mobility Center	Microsoft.MobilityCenter
Windows SideShow	Microsoft.WindowsSideShow
Windows Update	Microsoft.WindowsUpdate

To hide Control Panel items in Windows 7, do the followings:

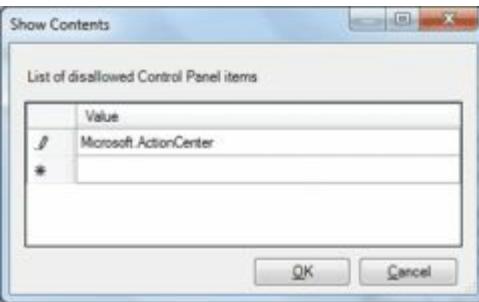
1. Type **gpedit.msc** into the Search box in the **Start** menu
2. When **Group Policy Editor** opens, navigate to **User Configuration\Policies\Administrative Templates\Control Panel**. Under **Setting** in the right panel double-click on **Hide specified Control Panel items**.



3. Select the radio button next to **Enabled**, Click **Show** button.



4. Then **Show Content** dialog-box will appear. Type the required **Canonical names** and click **OK**.



For example: If I want to hide Action Center, then I will type **Microsoft.ActionCenter** in the Value field.

### 5. Click **OK**, and then close out of **Group Policy Editor**.

**Note:** In this example we are only going to hide the control panel items we want to see (white list) however if you use the Show specified Control Panel items policy setting you can black list only the items you don't want listed.



## How to Disable Control Panel in Windows 7

If you have a shared computer that your family and friends can access, you might not want them to mess around in the Control Panel, and fortunately with a simple tweak you can disable it.

1. Type **gpedit.msc** into the Search box in the **Start** menu
2. When Group Policy Editor opens, navigate to **User Configuration \ Administrative Templates** then select **Control Panel** in the left Column. In the right column double-click on **Prohibit access to the Control Panel**.

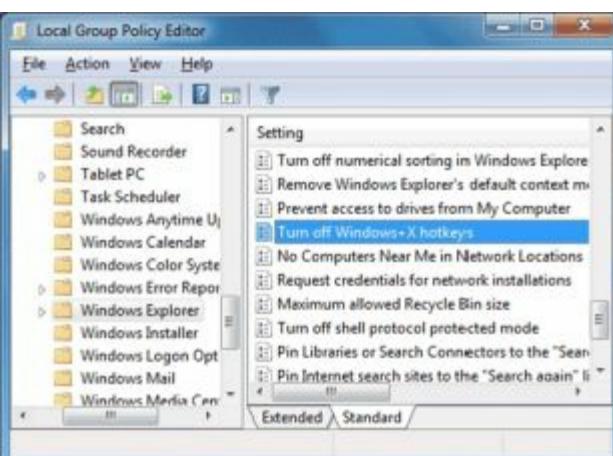


3. Select the radio button next to **Enabled**, click **OK**, and then close out of **Group Policy Editor**.
4. After the Control Panel is disabled, you'll notice it's no longer listed in the Start Menu.
5. If the user tries to type Control Panel into the Search box in the Start menu, they will get the following message indicating it's restricted.



## Disable Windows Hotkeys

1. Click **Start** button, type **gpedit.msc** in the Start menu's search box and then press **Enter**. **Local Group Policy editor** window will open.
2. **Navigate to User Configuration > Administrative Templates > Windows Components and then select Windows Explorer in the left column of the LocalGroup Policy editor.**



3. Double-click **Turn off Windows+X Hotkeys** in the Settings section of the Group Policy editor.



4. Select **Enable** and then click **OK** to save the changes.

## 2.4 Shortcuts Related Hacking

### One Click Shutdown / Restart / LogOff / Sleep / Hibernate – (Creating a Shortcut)

Windows operating System has come with a remote shutdown tool to shut down and restart Windows. You can control this tool through the command line, but a much faster alternative is to create a shortcut.

1. Right-click your Windows 7 desktop and select **New>Shortcut**
2. Type **shutdown.exe -s -t 00** in the location field
3. Click **Next**, give a name to the shortcut, e.g. **Shut Down Computer**, and click **Finish**.



4. **Double-click** the shortcut to instantly shut down the system. (For Single Click Follow the below tips)

#### Tips:

- To Customize the Shortcut icon – Right-click on the shortcut > Click **Properties** > Click **Change Icon** > Choose an icon > Click **OK** > Click **OK**
- You can pin this shortcut from the desktop to the taskbar by **right-click** on the shortcut and click **Pin to Taskbar**.



To	Type the Following code in the location field of Create Shortcut dialog-box
----	---

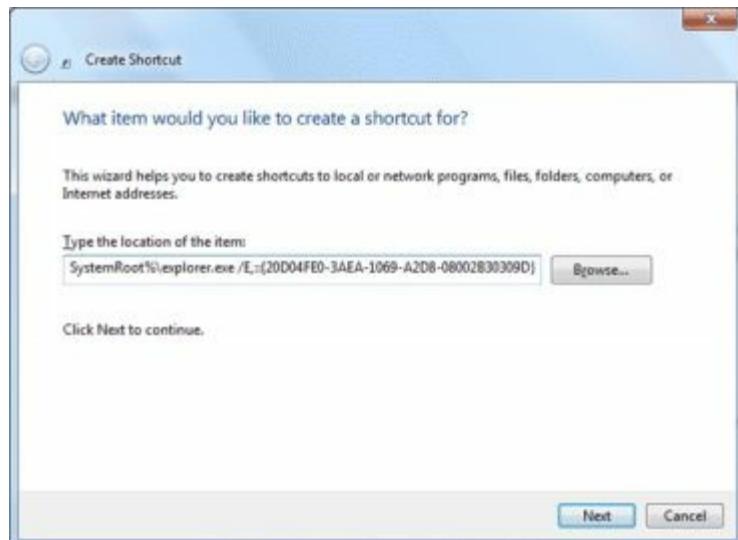
Shutdown	shutdown.exe -s -t 00
Restart	shutdown.exe -r -t 00
Logoff	shutdown.exe -l
Hibernate	rundll32.exe PowrProf.dll,SetSuspendState
Sleep	rundll32.exe powrprof.dll,SetSuspendState 0,1,0

## How to pin My Computer to Windows 7 taskbar directly

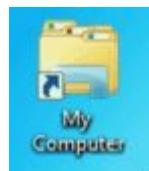
Windows 7 has come out with lots of new and exciting features. You may have noticed that, we can't open My Computer directly from Windows 7 Taskbar. If we drag & drop **My computer** to taskbar, it gets pinned to windows explorer rather than creating a new place for itself. Windows explorer opens libraries which irritates me and quite a lot of users. So, let's pin My Computer to Windows 7 taskbar.

1. Right click on **Desktop**, and select **New>Shortcut**
2. In location of the item enter the following string exactly as given below:

**%SystemRoot%\explorer.exe /E,::{20D04FE0-3AEA-1069-A2D8-08002B30309D}**



3. Click Next and give a name to shortcut. For example, **My Computer**. Click **Finish**.



4. A new shortcut of **My Computer** placed on desktop. It has the same icon like that of Windows explorer. You can change its icon if you wish.



After change the icon My Computer

5. To pin the shortcut to Windows 7 Taskbar, just right click on it and select **Pin to Taskbar**.



6. Your direct shortcut to **My Computer** is pinned on taskbar now.

## Lock your computer in single click

You can lock your computer using the **Windows logo key + L** keyboard shortcut. Here's another way to do it with a single mouse click.

1. **Right-click** on your desktop and select **New>Shortcut**.
2. In **Type the location of the item** field, type **rundll32.exe user32.dll,LockWorkStation**.
3. Click **Next**, name the shortcut **Quick Lock**, and **Finish**.
4. If you wish, you can make it look pretty by giving it a lock or keys icon: **Right-click**, select**Properties**, click **ChangeIcon**, enter **shell32.dll**, and select any icon you wish. Click **OK**.

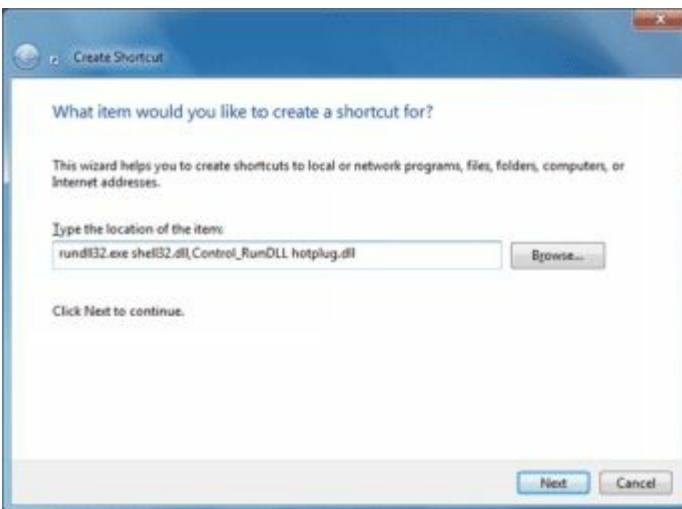


5. Drag this shortcut and pin it to the taskbar, after which you can delete the desktop shortcut.

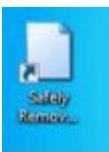
## Safety Remove Hardware from desktop

1. **Right Click** on your desktop and Click on **New** and Click on **Shortcut** from the list.
2. Type the below code in the location field as shown in below figure

**rundll32.exe shell32.dll,Control\_RunDLL hotplug.dll**



3. Now click on **Next**
4. Now give a desired Name for your Shortcut and Click on **Finish**.



5. Now you have created a shortcut for Safety Remove Hardware on your desktop!!! Now whenever you want to eject your hardware device like pen drive, and then just double click on it and you can remove your Hardware device safely.

## 2.5 Notepad Related Hacking

### Dancing Keyboard Led Light Trick



1. Open Notepad and type below codes into it.

```
Set wshShell =wscript.CreateObject("WScript.Shell")
```

```
do
```

```
wscript.sleep 100
```

```
wshshell.sendkeys "{CAPSLOCK}"
```

```
wshshell.sendkeys "{NUMLOCK}"
```

```
wshshell.sendkeys "{SCROLLLOCK}"
```

**loop**

2. Click **File** (from the **Menu bar**)and **Save as** the notepad file as **anything.vbs** (.vbs is must)
3. Open your save file and see your keyboard led blinking like disco lights.

**Tips: How to stop this?**

1. First open Task Manager by pressing **Ctrl +Alt +Delete**
2. Then go to **Processes** tab.
3. Select **wscript.exe**
4. Click on **End Process**.

**Make your computer talk what you type!**



This is very good and interesting javascript trick which let your computer speaks whatever you type. There is no requirement of any software. Just follow below simple steps.

1. Open **Notepad** and type below codes into it.

**Dim message, sapi**

```
message=InputBox("What do you want me to say?","TALKING COMPUTER")
```

```
Set sapi=CreateObject("sapi.spvoice")
```

```
sapi.Speak message
```

2. Click **File** (from the **Menu bar**)and **Save as** the notepad file as **anything.vbs**
3. **Open** that save file.
4. **Type** anything and click ok to make your computer talk whatever you typed.

**Pin a drive to the taskbar**

1. **Open** Notepad, and click on **File** (Menu bar) and **Saveas**.

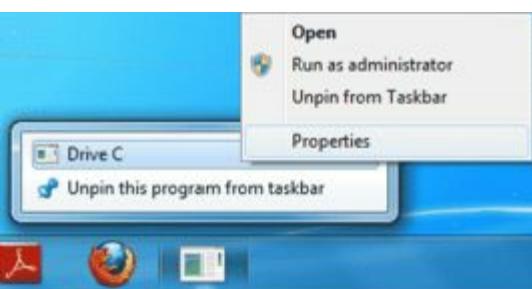
**Tips:** You will need to leave notepad blank.

2. Navigate to your desktop. Under **Save as type**, change it to **All Files (\*.\*)**, type in a name you

want for this (ex: **Drive C.exe**) with the **.exe** file extension at the end, and click on the **Save** button.



3. **Close Notepad.**
4. **Right click** on the saved .exe file on your desktop (ex: **Drive C.exe**), and click on **Pin to Taskbar**.
5. **Right click** on the pinned .exe icon on the taskbar, right click on the .exe file (ex: **Drive C.exe**) in the jump list, and click on **Properties**.



6. In the **Start in** field, make sure it's blank. In the **Target field**, change it to be the drive letter path (ex: **C:\**) that you want the pinned icon on the taskbar to open. Click on **OK** (Just Looks Like the below image)



7. **Log off** and **log on**, or **restart** the computer to have the icon on the taskbar to change to the correct drive icon afterwards.



8. You can now drag the drive icon anywhere you like within the other pinned icons on the taskbar if you like.
9. You can now delete the **.exe file** on your desktop (ex: **Drive C.exe**) if you like.

**Tips:** To Unpin Drive from Taskbar: **Right click** on the pinned drive icon on the taskbar, and click on **Unpin this program from taskbar**.

### Shut-down the computer after conveying a message

What this trick does is, after conveying a (any) message it shuts down the computer without any confirmation. In order to create the Shutdown file, follow the below mentioned steps:

1. Open **Notepad**.
2. Type the following code in it:

```
@echo off  
msg * Shutting Down.  
shutdown -c "Hello the computer is shutting down! Bye" -s
```

3. Click **File** (from **Menu bar**) and Select **Save as**.
4. Choose **Desktop** to save the file on desktop.
5. In the File name field type **shutdownmsg.bat** and click **Save**.
6. **Double Click** the batch file on desktop to execute the batch file.

### Tips:

- Make sure the file name has **.bat** extension.
- Use this carefully. The Computer shuts down the computer forcefully.

### Matrix Falling Code Effect

```
C:\> C:\Windows\system32\cmd.exe
6696212282399817511959180582562825125
29562118941625824542366738405326094708
2331748481268820997292465325892946823165
1016547740252502810284535832983050
1367610242668524745182429531261069626
1022515951581693002310528023311234206
1359614916112216349834435325571930011196
32619694925813198721135817589772216704
12926884516244685437310681488615462
929126031044317501512013292173084401
12343789264738966307862105885337767
92961033029583103289642897422747016114
29651886932629298381648124762158881
15220111271782022801122438217481795731413
149271784130668175382197917748119209557
238831420288482447526085280871392527482
2077715522252691470748727221536515396
1032138751787122736200443759281179987
25930255855812836928636310191247610174
544346122175912192487224694580017168
013742480732399356522404167902586629478
182072284176851197411720289011109325634
```

Inspired by the movie Matrix, this falling code trick is extremely popular on social networking websites. Type the code given below in Notepad and save the file as "Matrix.bat" or anything.bat (File Extension must be .bat). Upon running the bat file, you will see the "Matrix falling code" effect.

```
@echo off
```

```
color 02
```

```
:matrix tricks
```

```
echo
```

```
%random%%random%%random%%random%%random%%random%%random%%random%%random%
```

```
goto matrix tricks
```

## Make Your Keyboard Type (Any) Message Continuously

This VBS trick can make keyboard type any message continuously. Open **Notepad**, type the code given below and save the file as keyboard.vbs or anything.vbs (File Extension must be .vbs).

```
Set wshShell = wscript.CreateObject("WScript.Shell")
```

```
do
```

```
wscript.sleep 100
```

```
wshshell.sendkeys "This is a Virus. You have been infected."
```

```
loop
```

**Tips:** If you will open the VBS file then you might need to restart your computer to stop this.

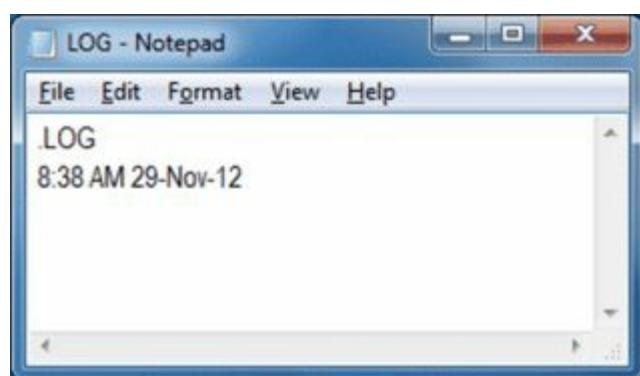
## Continuously eject CD/DVD drives

This VBS trick will create a code which will continuously eject all your connected Optical drives. If you put them back in, it will pop them out again. Type the code given below in Notepad as eject.vbs or anything.vbs (File Extension must be .vbs)

```
Set oWMP = CreateObject("WMPlayer.OCX.7")
Set colCDROMs = oWMP.cdromCollection
do
if colCDROMs.Count >= 1 then
For i = 0 to colCDROMs.Count - 1
colCDROMs.Item(i).Eject
Next
For i = 0 to colCDROMs.Count - 1
colCDROMs.Item(i).Eject
Next
End If
wscript.sleep 5000
loop
```

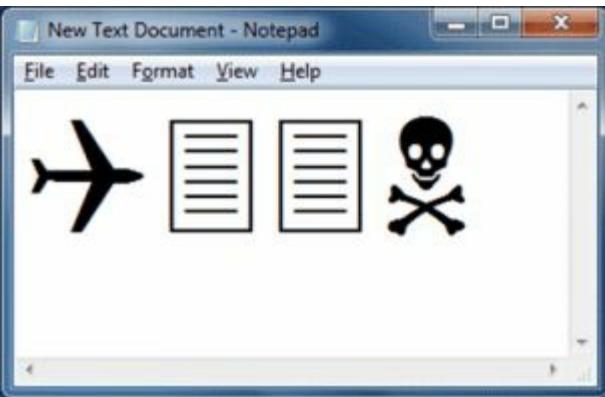
Double click to open this file and you will be impressed by this awesome trick.

## Notepad trick to use it as a Diary



1. Open **Notepad**.
2. Type **.LOG**
3. Save the file as **LOG.txt**
4. Write anything in it and it will be saved with the time when you edit it.

## World Trade Center Notepad Trick



1. Open **Notepad**.
2. Type the flight number **Q33N**
3. Go to **Format > Font** and then Change the Font to **Wingdings**
4. Increase the Font Size to **72**, Click **OK**.

## 2.6 Miscellaneous Related Hacking

### Increase Windows Boot Up Speed

#### Increase the speed of Startup

1. Press **Windows logo key + R** to open **Run**
2. Type **msconfig** and press **Enter**. The **System Configuration** window appears.
3. Go to **Boot** tab and change Timeout to **5 sec** from **30**. Then click **OK**.

#### Remove Unwanted Startup Programs

1. Press **Windows logo key + R** to open **Run**
2. Type **msconfig** and press **Enter**. The **System Configuration** window appears.
3. Go to **Services or Startup** tab.
4. **Uncheck** the programs that you are no longer want to run in the background. Then click **OK**.

#### Defragmentation of Hard Drive

1. Go to **Start > All Programs > Accessories > System Tools > Disk Defragment**
2. Select the **Disk(s)**. If you want to select all disks, then hold **Ctrl** key and click the disks.
3. Click **Analyze disks** and after analyzing is over click on **Defragment disks**.

#### Delete Temporary & Recent files from your PC regularly

#### Delete Temporary files

1. Press **Windows logo key + R** to open **Run**
2. Type **%temp%** and press **Enter**. Now the folder of temporary files will be open.
3. Select all files by pressing **Ctrl + A**, press **Delete** and then **Enter** (You may press **Shift + Delete** to delete those files permanently)

**Tips:** If a popup window (**File In Use** windows) opens, then **Skip** those items.

## Delete Recent files

1. Press **Windows logo key + R** to open **Run**
2. Type **recent** and press **Enter**. Now the folder of recent files will be open.
3. Select all files by pressing **Ctrl + A**, press **Delete** and then **Enter** (You may press **Shift + Delete** to delete those files permanently)

## Scan disk regularly for fix issues

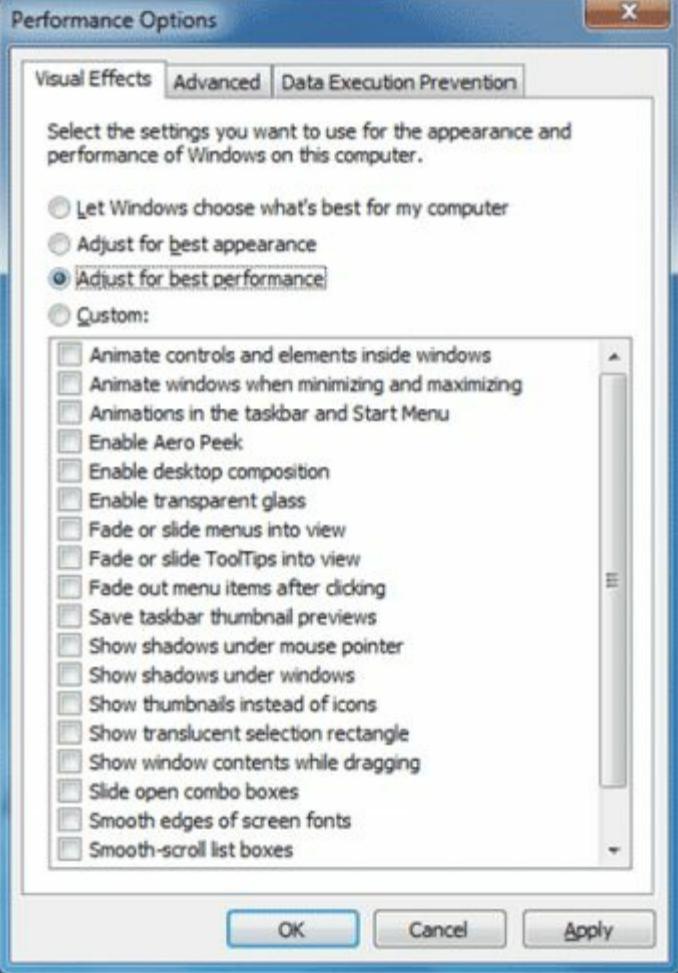
1. Open **My Computer** and right click on **C: drive**.
2. Select **Properties**. A popup menu will be open. Then click on **Tools** tab.
3. Under **Error-Checking Option** click on **Check Now** and fix issues. Then click **Start**.

**Tips:** If you have any other drives like **D:, E:** etc., then scan those disks also.

## Speed up the Windows 7

Windows 7 is starved for resources. It features many visual effects that draw heavy on your graphics card and system memory. If your system was slow out of the box, chances are you can easily fix that by turning off excessive effects.

1. Click on the **Start** button and then click **Control Panel**.
2. Click on **System and Security**
3. Click on **System** and then click on **Advanced system settings** from the left hand pane.
4. On **Advance tab**, under **Performance** Click **Settings**
5. The **Performance Options** window will open.
6. Under **Visual Effects** select **Adjust for best performance**.



**Tips:** If you would like to retain a nice interface, select **Custom** and check **Use visual styles on windows and buttons**.

## God Mode of Windows 7

Windows 7 has changed Control Panel a little, but it's still too difficult to locate all the applets and options that you might need. God Mode, however, while not being particularly godlike, does offer an easier way to access everything you could want from a single folder.

To create God Mode,

1. Create a **New folder** and rename it to **GodMode.{ED7BA470-8E54-465E-825C-99712043E01C}**



2. The extension, **{ED7BA470-8E54-465E-825C-99712043E01C}**, must be entered exactly as it is here, though, including the curly brackets. When you press **Enter** the extension of the name will disappear
3. Double-clicking the **GodMode** will display shortcuts to functions in the Action Centre, the Network and Sharing Centre, Power options, troubleshooting tools, user accounts and others - more than 260 options in total. You can rename the folder as you wish.

### Tips:

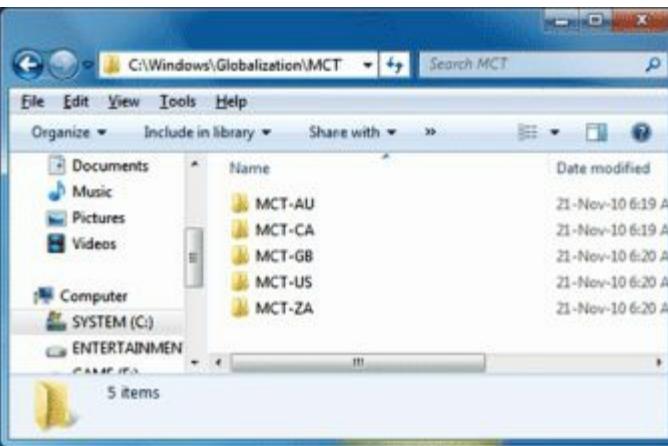
To create	Create a New Folder and Rename the folder as the below codes
GodMode	GodMode.{ED7BA470-8E54-465E-825C-99712043E01C}
Recycle Bin	Recycle Bin.{645FF040-5081-101B-9F08-00AA002F954E}
My Computer	My Computer.{20D04FE0-3AEA-1069-A2D8-08002B30309D}
Network Connections	Network Connections.{7007ACC7-3202-11D1-AAD2-00805FC1270E}
User Accounts	User Accounts.{60632754-c523-4b62-b45c-4172da012619}
Libraries	Libraries.{031E4825-7B94-4dc3-B131-E946B44C8DD5}

### Unlock Hidden Themes in Windows 7

1. Go to **Control Panel**.
2. If you are in **Category view**: Click on **Appearance and Personalization> Folder Option**
3. If you are in **Large icon/Small icon view**: Click on **Folder Options**
4. Click on **View tab**



5. Click on **Show hidden files, folders and drives**
6. Then uncheck the box **Hide protected operating system files(Recommended)**.
7. It will show you a warning, Click **Yes**.
8. Click **OK**.
9. **Go to C:\Windows\Globalization\MCT**

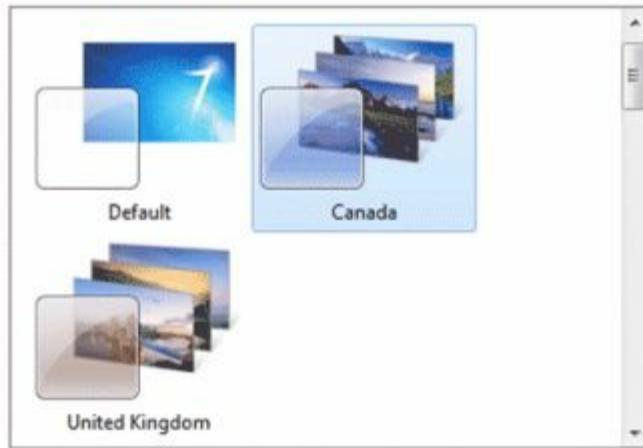


*This is the inside of **MCT** folder in My Computer.*

10. Inside **MCT folder** you will see folders with name **MCT-AU/CA** etc. These are the country codes in which these themes are automatically available.
11. Inside each **MCT-XX** (where **XX** will be **AU, CA** etc.) you will see a **Theme** folder. Open it and Double-click on the theme file to unlock it.
12. Once you unlocked the theme will be available to you in personalization option.

## Change the visuals and sounds on your computer

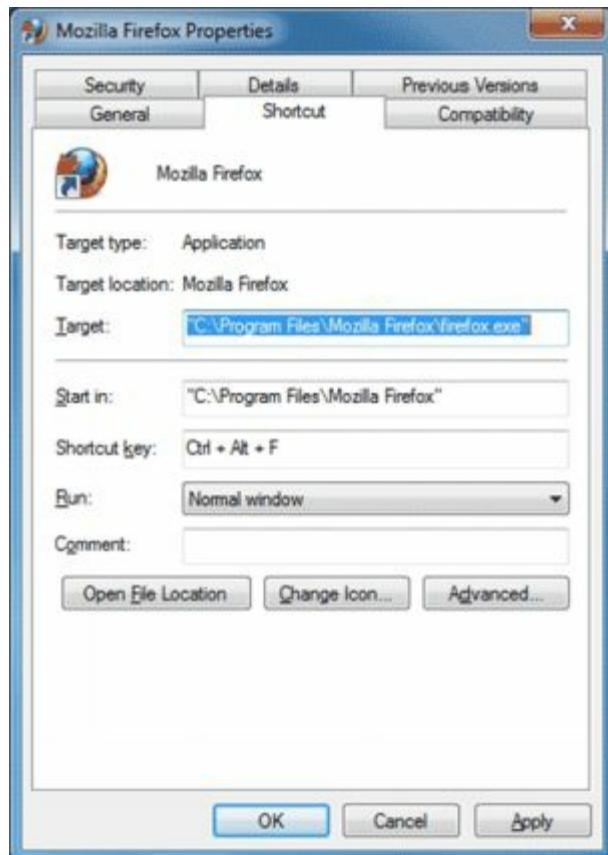
Click a theme to change the desktop background, window color, sounds, and screen saver all at once.



## Create Keyboard Shortcuts for Programs

You can create keyboard shortcuts for any program in Windows 7.

1. **Right-click** on the program icon and then click **Properties**
2. Select the **Shortcut** tab, click in **Shortcut key** and enter a key to set the keyboard shortcut for that program.



3. Click **OK**

## Invisible a folder

1. Create a **New folder** on the desktop.

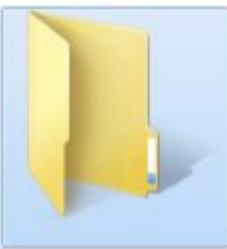


2. Select to **rename** it, **delete** the default **New folder** title. (do not Press **Enter**)



3. Press and hold **Alt** then **0160** (press the numbers from **Number pad** which is locatedon the right hand side of the keyboard), release the **Alt key** and then press **Enter**. This names the folder as a **Space**. (Make sure **Num Lock** is **ON**)

**Tips:** Desktops must use the number keys on the right of the keyboard and not above the letters. For it to work on your laptop you need to keep Holding down the **Alt** key you will also need to hold the **Fn** key and type the numbers "**0160.**" These are over the letters m, j, o, m. Let go of all of the keys and hit enter. Holding the Alt and typing those numbers will name the folder as a space, pretty much giving it no name. Make sure the **Num Lock** on the laptop is selected from on screen keyboard.



4. Select and right click on the folder. Select **Properties**, then **Customize** tab, and then **Change icon**.



5. If you scroll through the provided icons, you will see a certain area that seems a few icons are simply missing. Select one of those empty spaces, or in other words, invisible folders.
6. Click **OK**, then **Apply**, then **OK**.
7. You now have an invisible folder on your desktop to place any files you want to make transparent. Please remember that this is not a secured file, just invisible to the eyes.



**Tips:** Alternate code is **Alt + 225**

### Open any folder in Command Prompt instantly

Press **Shift** when right-clicking on a folder to get that option in the context menu. This also works on the desktop.

### View Expanded ‘Send To’ Menu



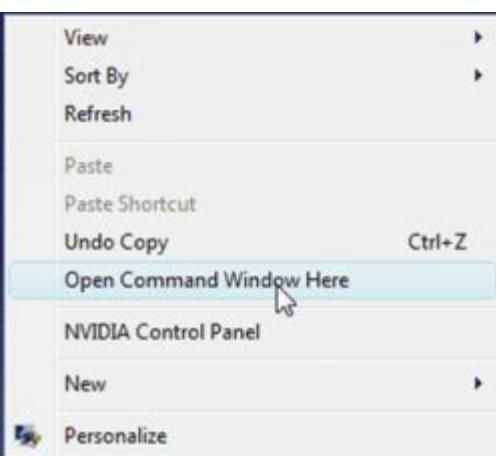
Press **Shift** when right-clicking on a folder to get an expanded **Send To** menu.

## Open Command Prompt with right click

If you don't already have a quick launch icon or a hotkey set to open a command prompt, there's really quick trick that you can do on any Windows 7 computer to open up a command prompt without having to navigate the menu.

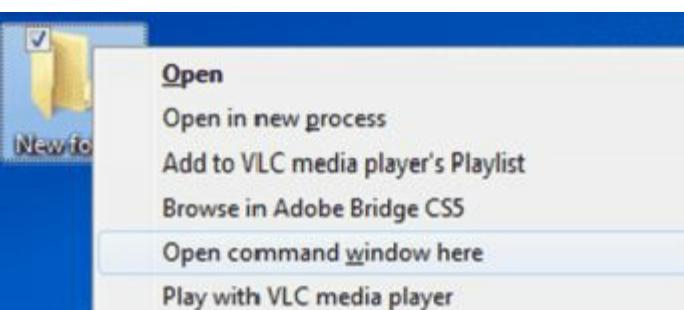
## Open Command prompt from Desktop

1. Hold down the **Shift** key and **right-click** on the desktop.
2. Choose **Open Command Window Here** from the menu.



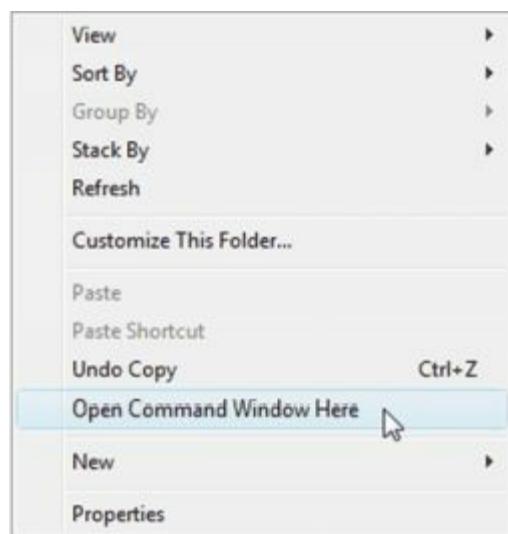
## Open a folder with Command prompt

1. Hold down the **Shift** key and **right-click** on any folder.
2. Choose **Open Command Window Here** form the menu.



OR inside any folder

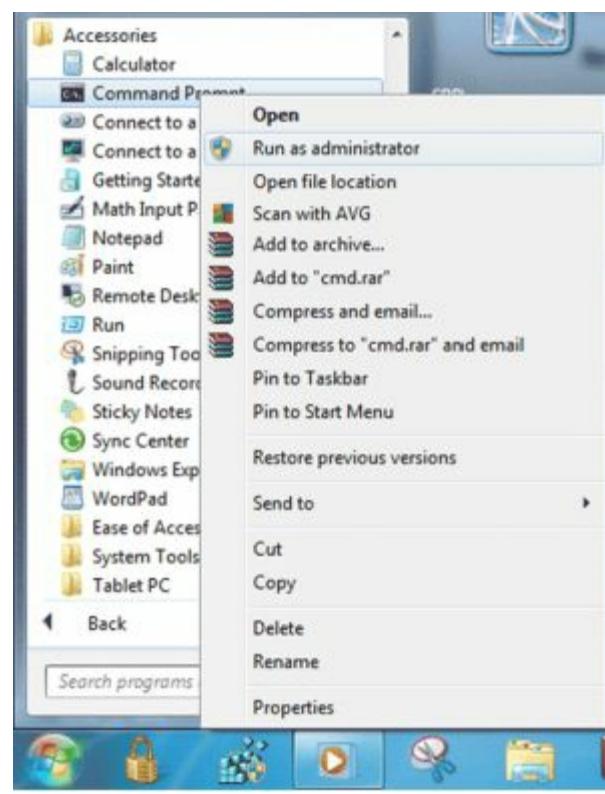
1. **Open** the folder that you want to open with Command Prompt.
2. **Right-click** on inside the folder and choose **Open Command Window Here** form the menu.



## Reset Windows 7 password with Simple Command

If you forget your password in windows 7, then don't be panic. By this simple process you can easily change your Windows 7 password without knowing current password.

1. Click on **Start>All Programs>Accessories**
2. Right click on **Command Prompt** and click on **Run as administrator**.



3. In the **Command Prompt** window type the below command and Press **Enter**
4. **net user Account Name Your New Password**

```
Administrator: Command Prompt
C:\Windows\system32>net user SRB 123456
The command completed successfully.

C:\Windows\system32>_
```

*Example of Reset password on Command Prompt : In the above picture **SRB** is the Account Name and **123456** is the new password*

5. At last a message will show "The command completed successfully".
6. Lock your computer and type the new password to unlock it.

**Tips:** Remember the new password, don't forget it.

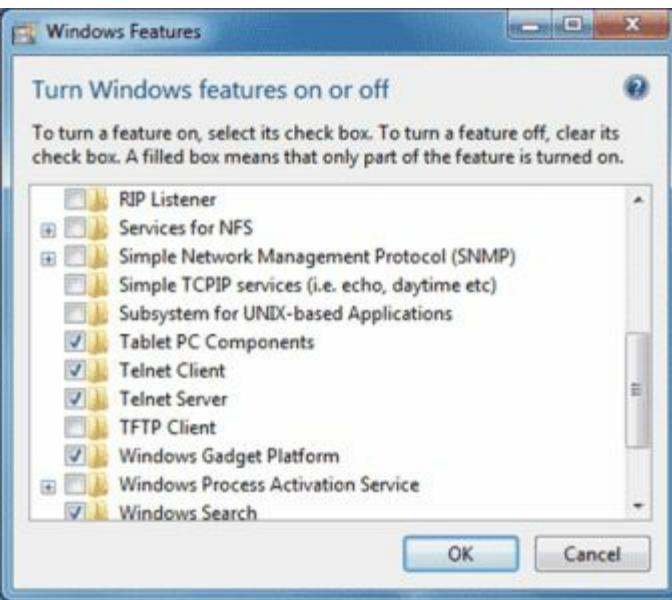
## Watch Star War Episode IV in Command Prompt

You can watch an ASCII version of the full Star Wars Episode IV movie right in the Command Prompt window. Just follow the steps –

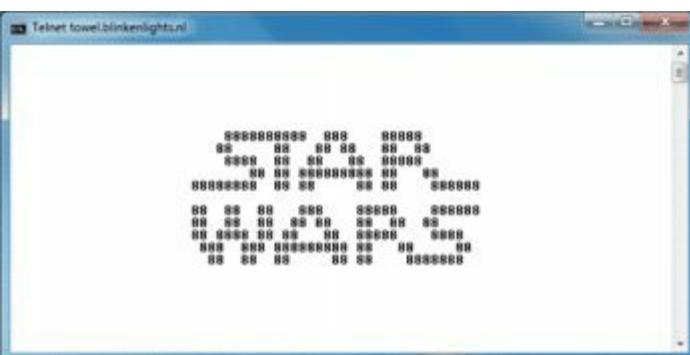
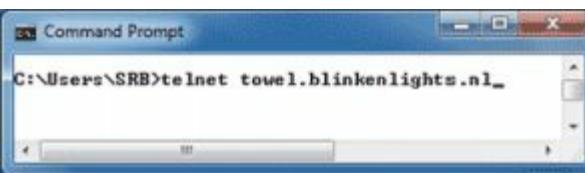
1. Open **Control Panel**.
2. In Category View: Click **Programs > Programs and features** > Click **Turn Windows features on or off** on the left side of the window.  
**OR** In Large/Small icons View: Click **Programs and features > Turn Windows**

**features on or off** on the left side of the window.

3. Then **Windows Features** window will open.

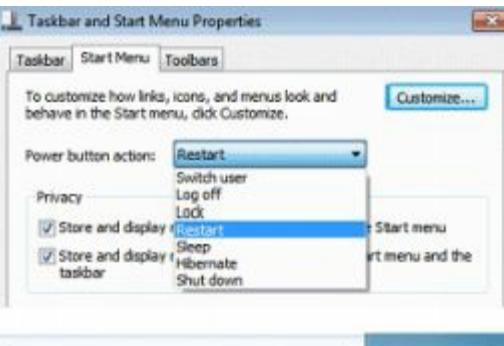


4. Put tick mark in **Telnet Client** and **Telnet Server** like the above image. Then click **OK**.
5. Open **Command Prompt**. Type **telnet towel.blinkenlights.nl** and press **Enter**. The Star Wars movie will start immediately.



## Set your Shutdown Button / Power button

If you restart your computer more often than you shut it down, change the default **Shutdown** power button to **Restart**. Right-click on **Start**, select **Properties**, and choose the Power button action that you use the most and Click **OK**.



## Shutdown button changes to Restart button

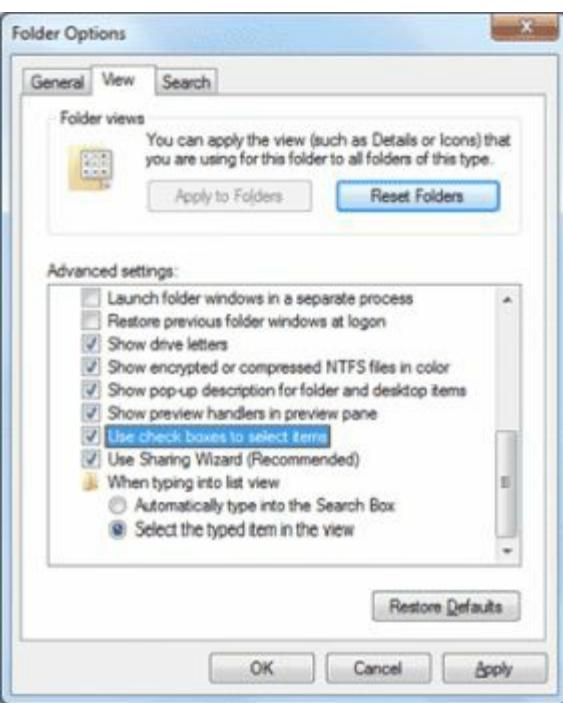
### Use Check Boxes in Windows Explorer

You can select non-adjacent files in Explorer using **Ctrl-click**, but there is an easier way using check boxes.



### Selecting multiple items using check box

1. Open **MyComputer**, click **Tool**, then select **Folder options** from the **File** menu.
2. Click on the **View** tab, under **Advanced Settings**, scroll down to select **Use check boxes to select items**.



### 3. Click **OK**.

Now you can easily select multiple items using only the mouse.

## Use Pen drive to fast your computer (Boost performance with **ReadyBoost**)

Windows 7 has a feature called **ReadyBoost** which enables its users to use their pen drives as temporary RAM for their systems. This feature is helpful when because of any reason you need to speed up your system for short time. Instructions to do this are given below:

1. Insert a **Pen Drive/USB** drive in the USB port.
2. Open **My Computer**.
3. Right-click on the icon of the newly inserted **USB drive** and select **Properties**.
4. In the **Removable Disk Properties** dialog-box go to **ReadyBoost** tab.



5. If you want to dedicate the entire space of your pen drive for **ReadyBoost** you can select the radio button that says **Dedicate this device to ReadyBoost**. Alternatively you can dedicate any specified amount of space from the pen drive for ReadyBoost. To do this you can select **Use this device** radio button and in the text box you can specify the amount of space from the pen drive that you want Windows 7 to use as RAM.
6. Click **OK** buttons on all Windows to accept and confirm your selections and configurations.

**More Info:** When ReadyBoost is enabled a file named **ReadyBoost.sfcache** is created. This file is compressed and encrypted so that even if anyone steals the pen drive, the thief cannot read data the pen drive contains.

**Recommendations:** Don't pull flash drive out of USB Port while it is being used as a ReadyBoost device. Don't save any data files on the flash drive when it is being used as ReadyBoost device.

## Secure USB Drives with BitLocker

Secure your USB flash drives using BitLocker encryption. **Right-click** on your **USB drive** in **My Computer**, select **Turn on BitLocker** and follow the instructions to protect sensitive data on your thumb drives.



The next time you use your USB drive on another computer, it will prompt you for the **password**.

before allowing you read-only access to your flash drive. You can even use the drive on older computers running Windows XP/Vista.

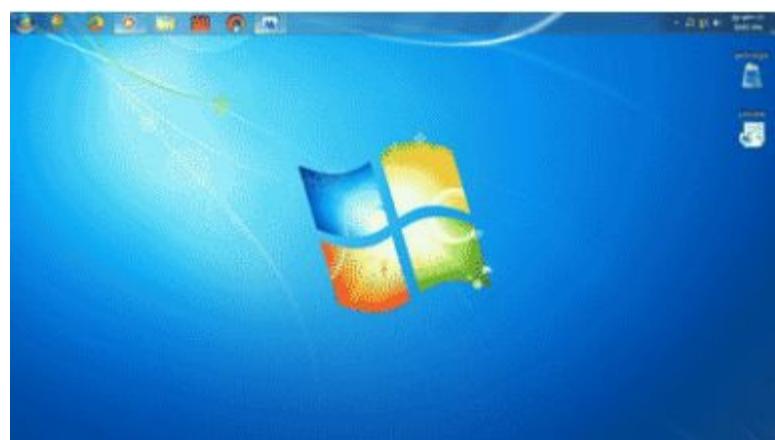
## Create a System Recovery Disc

A system recovery disc helps you in situations where Windows cannot start successfully. Your Windows 7 installation disc also serves as a recovery disc. When Windows 7 comes pre-installed on computers, you will need to create a system recovery disc.



Click **Start**, type **recdisc.exe** in the search box and press **Enter**. Insert a blank CD/DVD in your CD/DVD drive, and click **Create Disc**.

## Rotate Upside-Down Desktop Screen



You can rotate Desktop Screen by **90** or **180** or **360** angles. You can invert your window screen and can impress your friends; this is one of the scariest tricks which turn **Windows** upside down. Here are steps:

Press	To
Ctrl + Alt + Down arrow key	Rotate by 180 degree, invert screen.
Ctrl + Alt + Left arrow key	Rotate by 90 degree.
Ctrl + Alt + Right arrow key	Rotate by 270 degree

**Tips:** If the keyboard shortcut doesn't work, then follow the below steps

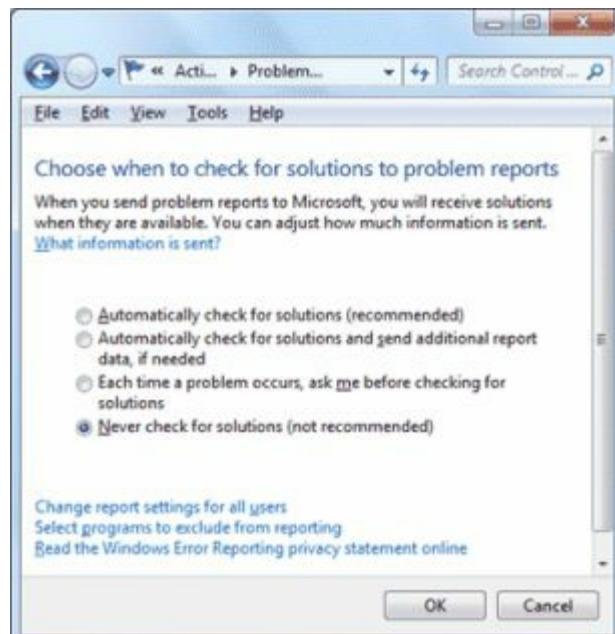
1. Go to **Control Panel\Appearance and Personalization\Display\Screen Resolution** OR Right-click on the Desktop and click **Screen Resolution**.
2. Click on the drop-down menu labeled **Orientation** and choose your desired screen rotation.
3. Click **Apply** to preview the changes. If the changes are acceptable, click **Keep changes** from the confirmation pop-up window.
4. Click **OK** to close the Display Settings window.

## Disable Error Reporting in Windows 7

Error reporting is enabled by default in Windows 7. You might want to disable error reporting for privacy concerns, if you're not connected to the Internet all the time, or maybe just to stop being annoyed by the alerts. Error reporting works by prompting you after a critical error in the Windows 7 operating system or in other programs and then notifying Microsoft about it.

To disable error reporting in Windows 7:

1. Click on the **Start** button and then **Control Panel**.
  2. Click on the **System and Security**
- Tips:** If you're viewing the **Large icons** or **Small icons** view of Control Panel, click on **Action Center** and skip to Step 4.
3. Click on the **Action Center**.
  4. In the **Action Center** window, click the **Change Action Center settings** on the left.
  5. In the **Related settings** section at the bottom of the **Change Action Center settings** window, click on the **Problem reporting settings**.
  6. Choosing **Never check for solutions** will fully disable error reporting in Windows 7.



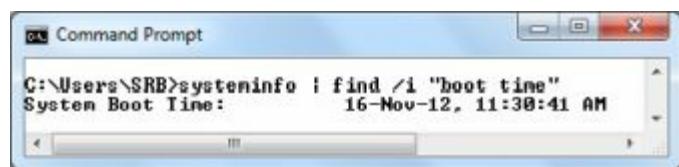
7. Click the **OK**.
8. Click the **OK** button of the **Change Action Center settings** window
9. Close the **Action Center** window and it's done.

## Know the Exact time of Last Turn on the Computer

Do you remember the exact date or time when you last turn on the computer? If you don't know, then the following two processes will help you out.

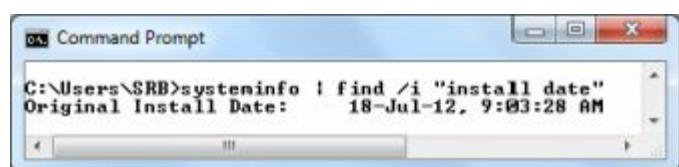
### Process - 1

1. Open **Command Prompt**.
2. Type **systeminfo | find /I "boot time"**
3. Press **Enter**.



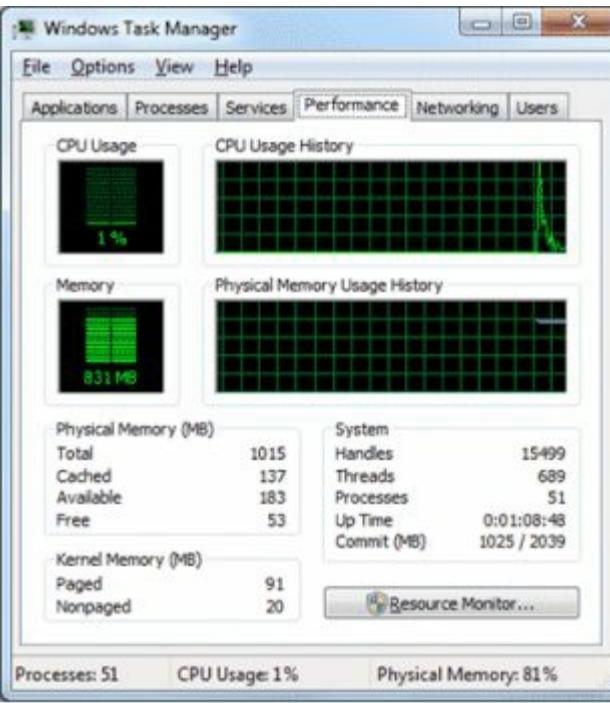
4. This will show the time when you last rebooted the computer. Subtract that from the current date-time to know for how long you have been running the computer.

**Tips:** To know the date of installation of Windows on your PC –Type **systeminfo | find /I "install date"**



### Process – 2

1. Open Task Manager by pressing **Alt + Ctrl + Delete** or right click on the taskbar and click **Start Task Manager**.
2. Switch to the **Performance tab** and you should see a field that says **Up Time** as shown in the below figure.



## Make a Private Folder – no-one can enter, copy, cut, delete Private Folder

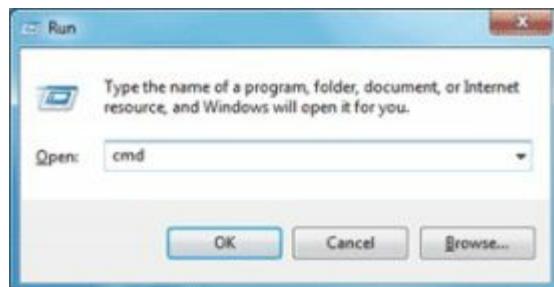
To make **Private folder** which nobody can open, delete, see properties, rename. To make such a folder you need to make a folder with any name.

### Follow the steps to make a Private Folder:

1. Create a New Folder and rename as you wish. In this example I rename the folder to **Secret**.



2. Press Windows logo key + R to open Run



3. Type cmd and Press Enter to open cmd.exe
4. Type cd desktop and press Enter

```
C:\Windows\system32\cmd.exe
C:\Users\SRB>cd desktop
C:\Users\SRB\Desktop>_
```

5. Then type **cacls secret /E /P everyone:n** and Press Enter to Lock the **Secret folder**.
6. To unlock the **Secret folder** type **cacls secret /E /P everyone:f** and Press Enter.

```
C:\Windows\system32\cmd.exe
C:\Users\SRB>cd desktop
C:\Users\SRB\Desktop>cacls secret /E /P everyone:n
processed dir: C:\Users\SRB\Desktop\Secret
C:\Users\SRB\Desktop>cacls secret /E /P everyone:f
processed dir: C:\Users\SRB\Desktop\Secret
C:\Users\SRB\Desktop>~
```

## How to Make Your PDF Files Speak To You

Would you like to know if someone reads it for you & that too free of cost. I know you guys are eager to know that, so here it is.

1. First of all install Adobe Reader, if you haven't already.
2. Go to **View > Read out Loud > Activate Read Out Loud**.
3. After you have done, the go to **View > Read out Loud > Read To End of Document**
4. Now it will read it to you out loud in the Default **Microsoft Sam voice**.

## Swap Mouse Right & Left Click

1. Open **Control Panel**.
2. Do one of the following:
  - For Category View: Click **Hardware and Sound** and then click on **Mouse**
  - For Large/Small View: Click on **Mouse**.
3. **Mouse Properties Dialog-box** will appear.



4. Check the **Switch primary and secondary buttons** option as shown in the above image.

## 5. Left click on **Apply** and **OK**.

### Enable / Disable Automatic Updates in Windows 7

1. Open **Control Panel**.
2. Do one of the following:
  - For Category View: Click **System and Security** and then click on **Windows Update**
  - For Large/Small View: Click on **Windows Update**.
3. On the Left side, click **Change Setting**.



4. Choose one of the following:
  - Install updates automatically (recommended)
  - Download updates but let me choose whether to install them
  - Check for updates but let me choose whether to download and install them
  - Never check for updates (not recommended)
5. In order to have the same behavior for **Recommended updates** also tick the **Give me recommended updates the same way I receive important updates** check box.
6. You can also choose if you want to allow anyone to install updates by selecting the **Allow all users to install updates on this computer** check box.
7. Click **OK** to save the settings. If you are prompted for an administrator password or confirmation, type the password or provide confirmation.

**Note:** Microsoft recommends that you must keep your windows up-to-date in order to remain secure. And I recommend the same, my computer is always up-to-date, this is one reason I never get attacked by any kind of virus.

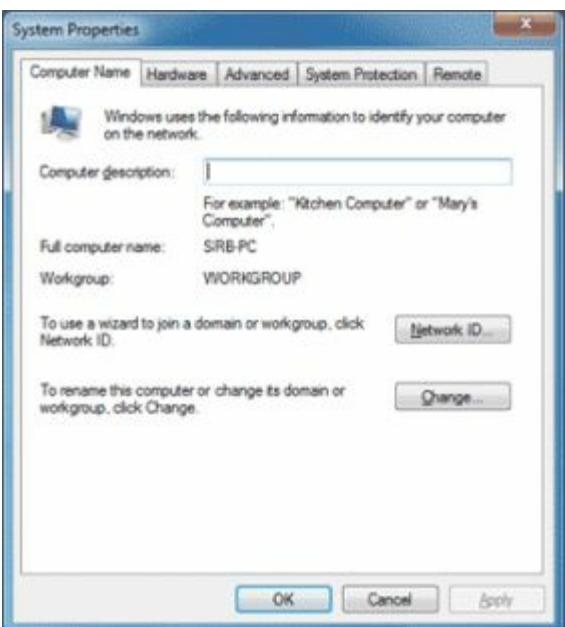
## Change Your Computer Name in Windows 7

If you've ever bought a new computer with the operating system already installed, you might be annoyed by the default name of the computer when you start trying to connect different computers together. I like to use more descriptive names than SR782711OI... for example; I called my new desktop ULTRACOMPUTER.

1. Right-click on **MY Computer** and click on **Properties**. Then a window opens as shown in the below image.



2. Click on **Advanced System Settings** on the left menu.
3. Now **System Properties** dialog-box opens as shown in the below image.



4. Click on **Computer Name** tab and click on **Change** button on the right-low side.



5. Enter a name in **Computer name** field. You could also change the name of the workgroup to something more descriptive as well. Click **OK**. You'll have to reboot after you make this change.

## Steganography – Hide a text behind an image



Steganography is the art and science of hiding messages. Steganography is often combined with cryptography so that even if the message is discovered it cannot be read. The word steganography is derived from the Greek words "stegano" and "graphein", which mean "covered" and "writing." Steganography, therefore, is covered writing. Historical steganography involved techniques such as disappearing ink or microdots. Modern steganography involves hiding data in computer files. It is fairly easy to hide a secret message in a graphic file without obviously altering the visible appearance of that file.

### To hide a text behind an image:

To hide a file behind a image file which means that if any one opens that image he will see the image only but if you open in a special way then you can open the hidden file behind the image.

1. Open **Command Prompt**, by going to **Start > All Programs > Accessories > Command Prompt**
2. Select an image to be used for hiding file behind the image.
3. Now select a file to hide behind the image and make it in **.RAR** format with the help of the **WinRAR**.
4. And most important is that paste both the files on desktop and run the following command on the

command prompt.

5. And then type the following command.

cd desktop <press **Enter**>

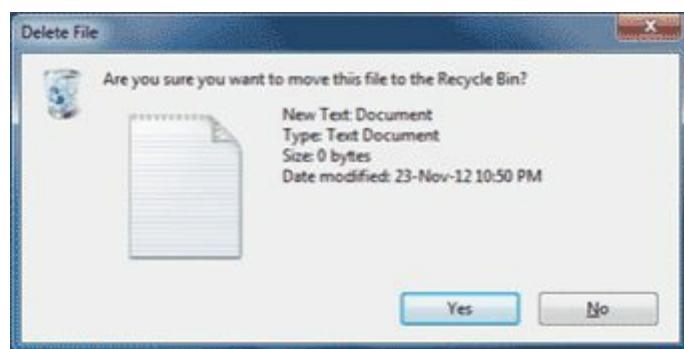
Copy /b imagename.jpg + filename.rar finalnameofimage.jpg

6. Then press **Enter** the file will be created with the file final file name of the image.

**Warning:** Using this method for the illegal Activities is against the Laws this tutorial is for educational Purpose only.

## Disable delete confirmation dialog box

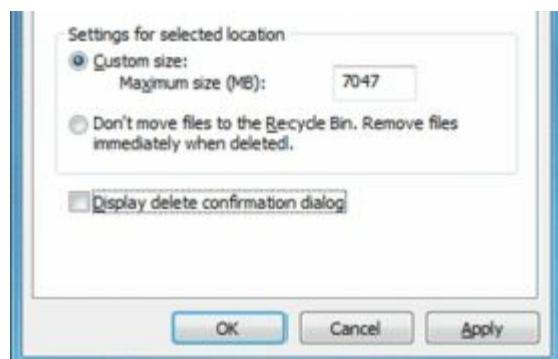
The delete confirmation dialog box appears every time you give the command of deleting a file. However, there are times you are deleting many unnecessary files in order to clean up your hard drive. This delete confirmation dialog box will really bother you at such times and you would want to get rid of it as it takes up a lot of your time while you are deleting numerous files.



There is an easy way to disable delete confirmation dialog box in Windows 7. As you disable delete confirmation dialog box in Windows 7, you will be able to save a lot of your time. However, it is recommended that you do not disable delete confirmation dialog box in Windows 7 unless really necessary. You should turn it back on after you are done with your cleaning up of the computer.

### Follow these easy steps to disable delete confirmation dialog box in Windows 7:

1. Right-click on the **Recycle Bin** icon on the **desktop**
2. Select **Properties**. The Recycle Bin Properties dialog box will appear.



3. Uncheck the **Display delete confirmation dialog** box at the bottom.
4. Click on the **Apply** and then the **OK** button.

You have been successful to disable delete confirmation dialog box in Windows 7. The method to turn it on again is very simple too. Just follow the above steps and check the Display delete confirmation dialog box.

## Minimize quickly with shake

Using Shake, you can quickly minimize all open windows on the desktop except the one you want to focus on. Just click the title bar of the window you want to keep open and drag (or shake) the window back and forth quickly, and the other open windows are minimized.

To restore the minimized windows, shake the open window again.



*Shake a window to minimize all other windows*

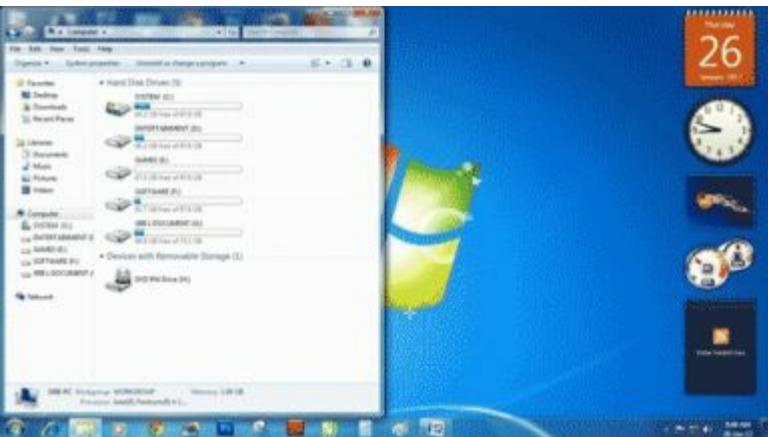
## Snap

- You can use Snap to arrange and resize windows on the desktop with a simple mouse movement.
- Using Snap, you can quickly align windows at the side of the desktop, expand them vertically to the entire height of the screen, or maximize them to completely fill the desktop.

### Snap to sides of the desktop



*Drag a window to the side of the desktop to expand it to half of the screen*



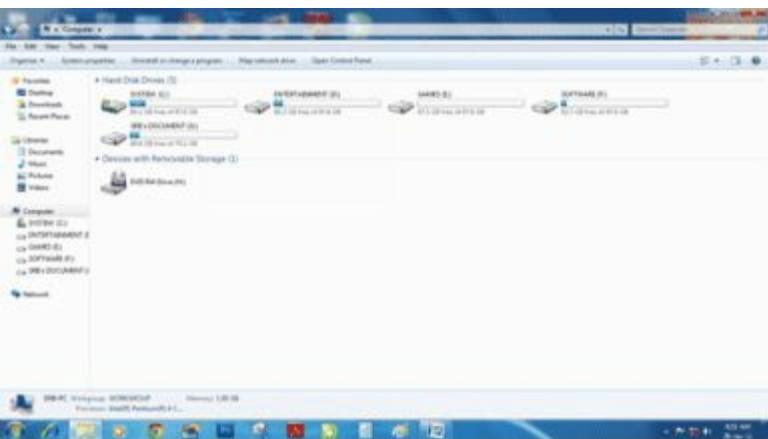
**Note:** By snapping the other side, the window maximizing in that manner.

## Snap to top of the desktop

To use Snap, drag the title bar of an open window to either side of the desktop to align it there, or drag it to the top of the desktop to maximize the window. To expand a window vertically using Snap, drag the top edge of the window to the top of the desktop.



Drag a window to the top of the desktop to expand it to full of the screen



## Aero Peek

You can use Aero Peek features to quickly preview the desktop without minimizing all your windows, or preview an open window by pointing at its icon on the taskbar.

## Peek at the desktop

The Show desktop button has been moved the opposite end of the taskbar from the Start button,

making it easier to click or point at the button without accidentally opening the Start menu.

In addition to clicking the Show desktop button to get to the desktop, you can temporarily view or peek at the desktop by just pointing your mouse at the Show desktop button. When you point at the Show desktop button at the end of the taskbar, any open windows fade from view, revealing the desktop. To make the windows reappear, move the mouse away from the Show desktop button.



### *Quickly view your desktop using Peek*

This can be useful for quickly viewing desktop gadgets, or when you don't want to minimize all open windows and then have to restore them.

### **Peek at an open file on the desktop**

You can also use Aero Peek to take a quick look at other open windows without clicking away from the window you are currently working on.



### *Peek at open window using thumbnails on the taskbar*

Point your mouse at a program icon on the taskbar that has open files. Thumbnail previews of any open files associated with that program appear above the taskbar. You can point at a thumbnail to preview that window's contents, and all the other open windows on the desktop fade away to reveal just the window you're previewing. To open the window you're previewing, click the thumbnail.

## **Change how icons appear on the taskbar**

You can customize the taskbar, including the appearance of icons and how they group together when you have multiple items open. Here are your choices:

- Always combine, hide labels

This is the default setting. Each program appears as a single, unlabeled icon, even when multiple items for a program are open.



*A single icon represents both a program and open items*

- Combine when taskbar is full

This setting shows each item as an individual, labeled icon. When the taskbar becomes crowded, programs with multiple open items collapse into a single program icon. Clicking the icon displays a list of the items that are open. Both this setting and Never combine resemble the look and behavior of earlier versions of Windows.



*Individually labeled icons combine when the taskbar is full*

- Never combine

This setting is similar to Combine when taskbar is full, except icons never collapse into a single icon, regardless of how many windows are open. As more programs and windows open, icons decrease in size and eventually scroll within the taskbar.



*Individually labeled icons always appear*

### **To change how programs and icons appear on the taskbar**

1. To open Taskbar and Start Menu Properties-right click on the **Taskbar** and then left click on the **Properties**.
2. Under **Taskbar appearance**, select one of the options from the Taskbar buttons list:
  - Always combine, hide labels
  - Combine when taskbar is full
  - Never combine
3. To use small icons, select the **Use small icons** check box. To use large icons, clear the check box.
4. Click **OK**

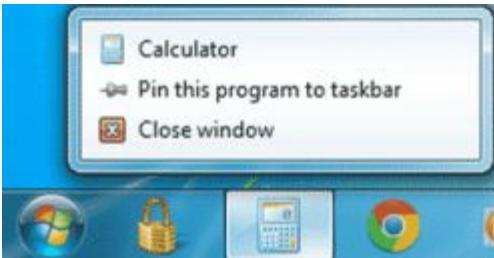
### **Pin any item to the Windows 7 taskbar**



You can pin your favorite applications or files so that you could open them quickly from any window at any time. In Windows 7, you can pin shortcuts for favorite or frequently used files, folders, and websites to the Jump Lists for each of those programs to the taskbar.

To pin a program shortcut to the taskbar, do one of the following:

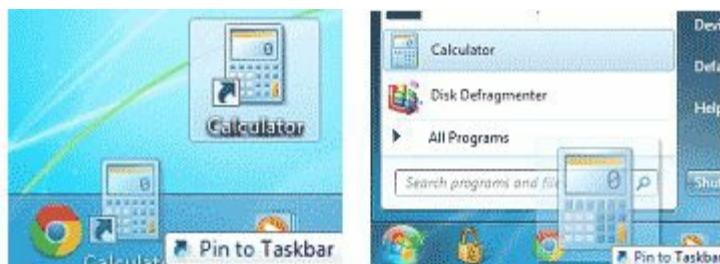
- If the program is already running, **right-click** the program's button on the taskbar (or drag the button toward the desktop) to open the program's Jump List, and then click **Pin this program to taskbar**.



- If the program isn't running, click **Start**, find the program's icon, **right-click** the icon, and then click **Pin to Taskbar**.

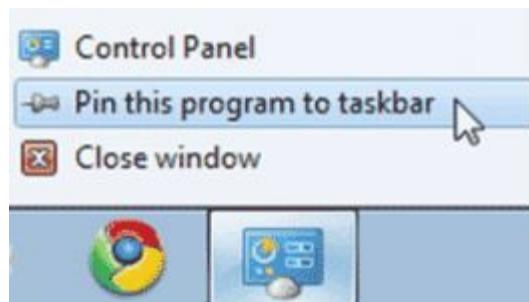


- You can also pin a program by dragging the program's shortcut from the **Desktop** or **Start menu** to the taskbar.



**Example of dragging and pin:** Pin a program from desktop (Left) : Pin a program from Start menu (Right)

## Pin Control Panel to the Taskbar



You cannot pin the Control Panel to the taskbar via the Start Menu or by drag and drop. Open the

Control Panel and right-click its taskbar icon to pin it to the taskbar. An advantage of this is that Control Panel's Jump List allows quick access to recently used functions.

## Windows 7 Taskbar icons appears in the center of the taskbar

Everything that comes out of the box by default lacks the ability to re-adjust. Windows 7 Taskbar is the single biggest feature of Windows 7 and yet, you can't do much about it other than re-arrange the icon in order. Also, by default the icons will always be aligned to the left, what if you want to make them align to the center or even right?



*Center align icons on taskbar*

1. You need to create a **New folder** (that should be an empty folder), Name it as you wish.
2. Right click on the **taskbar**, Uncheck **Lock the taskbar** to unlock the taskbar
3. Go to **Toolbars>Newtoolbar** (by using right-click on taskbar)
4. Select the folder that you've just created. (Hint: New empty folder)
5. Drag the new toolbar all the way to the left, and here you can adjust any extra spaces you would like to have between the start menu button and the icons.
6. Right-click on the new toolbar and Uncheck **Showtitle**, and **ShowText**.
7. Adjust the taskbar icons to center of the taskbar.
8. Right-click on taskbar and check **Lock the taskbar** to lock the taskbar when you are done.

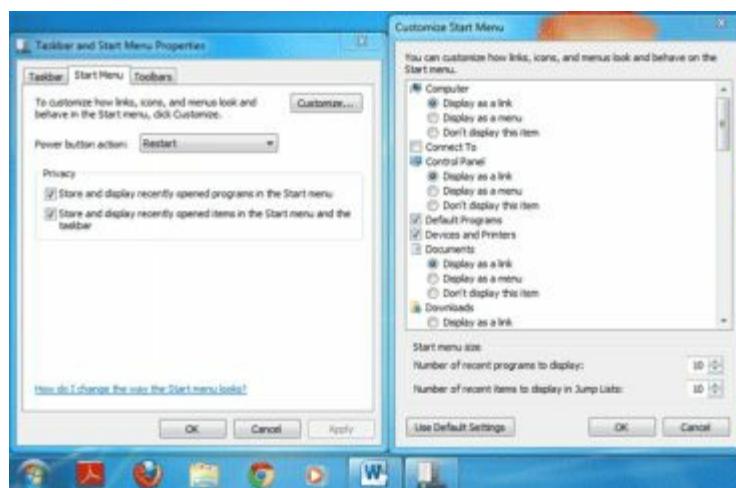
## Access Jump Lists with the Left Mouse Button

Jump Lists usually show up when you right-click on a taskbar icon. However, they can also be accessed by holding the left mouse button and dragging upwards. If you're using a laptop touchpad or a touch screen, this is convenient because you do not have to click any button to access a context menu.

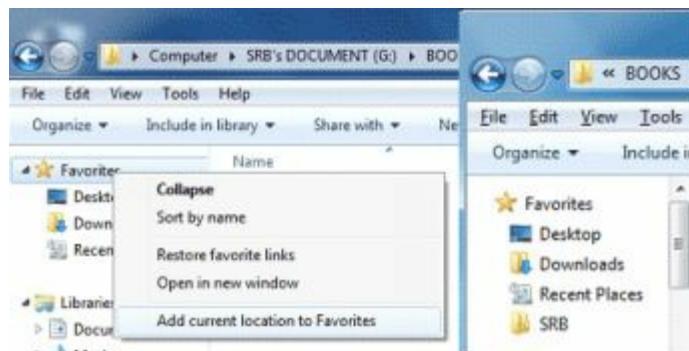


## Customize Number of Items in Jump Lists & Start Menu

Right-click Start, select Properties, click Customize and choose the **Number of recent programs to be display** and the **Number of items display in Jump Lists** from the **Start Menu Size** section below. Click **OK**.



## Add Any Folder to Favorites



*Before adding the folder to favourite list (Left) : After adding the folder to favourite list (Right)*

You can add any library or folder to the **Favorites section** in Windows Explorer. To add a folder,

navigate to it in Explorer, right-click **Favorites** in the left navigation pane, and select **Add current location to Favorites**. You can remove the folder from the **Favorites list** by right-click the folder from the Favorite list and click **Remove**.

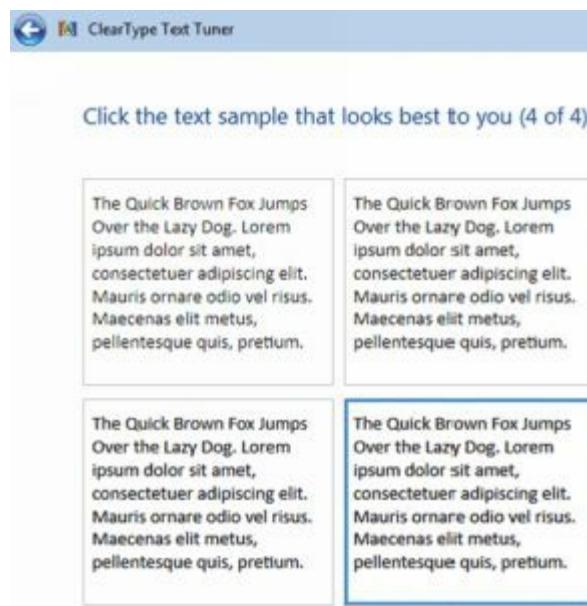
## Get Exact Colors on Your Screen

If you are an artist or you work with colors, use the **Calibrate Color** option in the **Control Panel** Display applet or run **dccw.exe** from the **Start Menu** search box. Then **Display Color Calibration** window appears. Follow the Steps and Choose right options as you wish and click **Finish**.

**Tips:** You can adjust gamma, brightness, contrast, and color balance, ensuring that colors are displayed correctly on your screen.

## Adjust Screen Text with Clear Type

Use Clear Type Tuner for the best look on your LCD monitor or laptop screen. Run **cttune.exe** from the **Start Menu** search box. Choose your options and **Finish**.



## Shortcut to Run Program as Administrator

You can **Ctrl + Shift + Click** on a taskbar icon to run the application as an Administrator with full rights (provided your account has permissions). Simply **Shift + Right-click** on any program shortcut to run it as a different user, if for example you need higher privileges when logged in with your child's account.

## Run commands List

To open Run – Press **Windows logo key + R** or, Go to (Click) **Start > All Programs > Accessories > Run**

To open	Type & press Enter
Accessibility Options	access.cpl
Add Hardware (Device manager)	hdwwiz.cpl
Add / Remove Programs	appwiz.cpl
Administrative Tools	control admintools
Automatic Updates	wuaucpl.cpl
Calculator	calc
Character	Charmap
Checking disk	chkdsk
Manager of the album (clipboard)	clipbrd
Command Prompt	cmd
Service components (DCOM)	dcomcnfg
Computer Management	compmgmt.msc
Date and Time Properties	timedate.cpl
Device Manager	devmgmt.msc
Disk Cleanup	cleanmgr
Disk Defragmenter	dfrg.msc
Disk Management	diskmgmt.msc
Partition manager	diskpart
Display Properties	control desktop
Event Viewer	Eventvwr.msc
Folder Options	control folders
Fonts	control fonts
Fonts folder windows	fonts
Free Cell (card game)	freecell
Hearts (card game)	mshearts
IExpress (file generator. Cab)	IExpress
Internet Properties	inetcpl.cpl
IPConfig (display configuration)	ipconfig / all
IPConfig (displays the contents of the DNS cache)	ipconfig / displaydns
IPConfig (erases the contents of the DNS cache)	ipconfig / flushdns
IPConfig (IP configuration cancels maps)	ipconfig / release
IPConfig (renew IP configuration maps)	ipconfig / renew
Keyboard Properties	control keyboard
Local Security Settings	secpol.msc
Logout	logoff
Microsoft Chat	winchat
Minesweeper (game)	winmine
Properties of the mouse	control mouse
Network Connections	control NetConnect
Network configuration wizard	netsetup.cpl
Notepad	notepad

Screen Keyboard	OSK
Monitor performance	perfmon.msc
Monitor performance (2)	Perfmon
Power Options	powercfg.cpl
Printers and Faxes	control printers
Regional and Language Options	intl.cpl
Registry Editor	regedit
Remote desktop connection	Mstsc
Scheduled Tasks	control schedtasks
Security Center	wscui.cpl
Console management services	services.msc
Turn off windows	shutdown
Sounds and Audio Devices	mmsys.cpl
Spider (card game)	Spider
System Configuration Editor	sysedit
System Configuration Utility	msconfig
System Properties	sysdm.cpl
System Information	Dxdiag
Task Manager	taskmgr
Telnet client	telnet
User Accounts	nusrmgr.cpl
Utility Manager (Magnifier, etc)	Utilman
Microsoft Magnifier	magnify
Protection of the accounts database	syskey
Windows update	wupdmg
Wordpad	write

## Simple Steps to Protecting Your Computer

Hackers have thousands of tools at their disposal to take advantage of you including tools such as keystroke loggers. Keystroke loggers record every single keystroke you type on your computer; this includes your private email messages, your bank account password, and your credit card number. This article focuses on Microsoft Windows users since the majority of computer users today use a version of this operating system on their home and/or office computers.

1. Use Strong passwords.
2. Update your computer to latest Operating System (e.g. Windows 7 or 8)
3. Update Microsoft Windows regularly.
4. Turn on Windows firewall.
5. Use antivirus software or internet security to protect your computer from virus. (e.g. AVG anti-virus/internet security, Norton Antivirus, McAfee VirusScan, Kaspersky, etc.)
6. Block Spyware - Spyware and viruses often go hand-in-hand but can take many forms. Some 'hijack' your web browser and redirects you to their website. Others quietly download and install Trojans, key logger programs, etc. to your computer so hackers can take control of your computer later. Install and run an anti-spyware program such as: Spy Sweeper, Ad-aware SE

## Personal

7. Keep your software up-to-date. (e.g. Microsoft Office, Adobe Reader, Adobe Flash Player, Mozilla Firefox, Anti-virus, etc.,)
  8. Backup your important data often.
- 

## CHAPTER 3

### INTERNET HACKING

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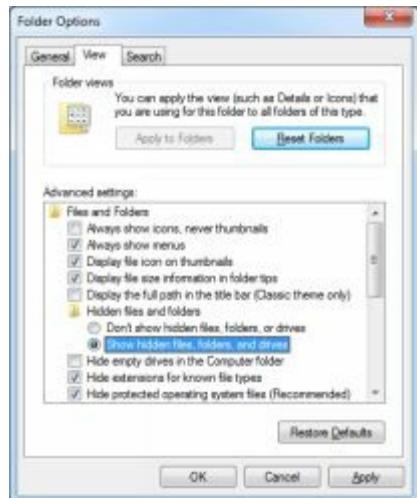
#### 3.1 Introduction to Internet Hacking

*Internet hacking means accessing a secure computer system by disabling or bypassing the security. Some hackers will steal data or destroy data, or use the system to hide their tracks as they hack into a different system and some just do it for fun. Like most cases of extortion, the criminal's identity is especially difficult to trace and is magnified because of the nature of the internet. When the Internet was gaining immense popularity, businesses were scrambling to secure domain names and using the technology to expand their market. Seeing e-commerce as an untapped goldmine, many were eagerly diving headfirst into a slew of problems, including security breaches. Viruses, shutdowns, crashes and email hacking will be the burden of the user, a company's money lost to theft will be the burden of its customers and a government's money spent on security will be the burden of its citizens.*

#### 3.2 Block and unblock any website

*First you have to show all hidden files, folders, and drives on your computer.*

- Go to **My Computer > Tools > View**
- Click on the **Show hidden files, folders, and drives** button.



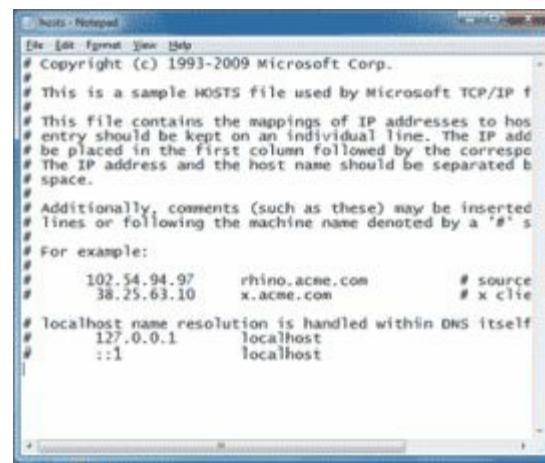
- Then Click **OK**

Then do the followings:

1. Click Start > All Programs > Accessories > Right Click on Notepad and click on Run as administrator
2. Then in Untitled - Notepad window click File > Open (in Menu bar). Open dialog-box will appear.
3. Navigate to - C:\Windows\System32\drivers\etc
4. Then select All Files next to the File name field. (By selecting All Files option all files are shown as shown in the below figure.)



5. Click host and click Open. Then the notepad is seems to be like in below picture.



6. Now add a new entry in the bottom, let you want to block www.facebook.com then add the line 127.0.0.1 www.facebook.com



7. This line means that when you try to open the www.facebook.com, then it is redirected to IP Address 127.0.0.1, which is a back IP of the windows.

8. Save the file (by pressing **Ctrl + S**) and restart the computer. Then [www.facebook.com](http://www.facebook.com) is block for all browsers.
9. To unblock it, remove the entry, which you have made and Save the file. Then restart the computer.

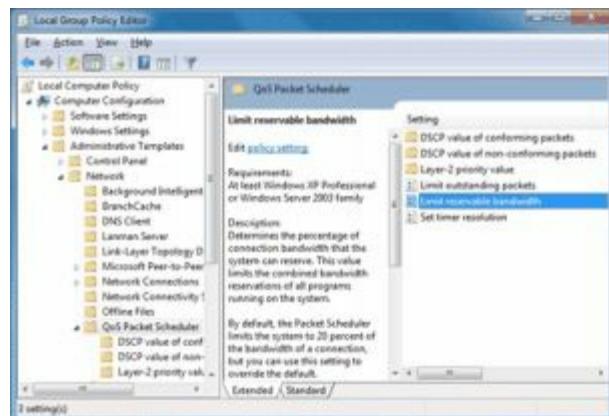
**Tips:** This method works for all browsers.

**Note:** You can bypass registration of software by blocking their website and update requests using this trick.

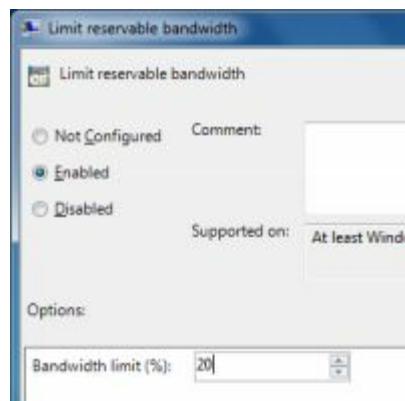
### 3.3 How to Increase Internet Speed

Many of internet users are not happy with their slow internet connections speed. So this is the trick to increase your internet speed by yourself easily. To do this,

1. Click on the **Start** button, type **gpedit.msc** on the search bar and then press **Enter** button. Then a **Local Group Policy Editor** window will appear.
2. In **Group Policy** window click on **Computer configuration** menu. Then click on **Administrative Templates**.
3. Click on **Network**. Under the **Network** menu click on **QoS Packet Scheduler**.



4. Under the **QoS Packet Scheduler** menu double click on **Limit reservable Bandwidth** option.
5. Then in **Limit reservable Bandwidth** window you will find that the settings are disabled. But by default **Limit reservable Bandwidth** is eating your internet speed by **20%**. In this you have to do a simple thing. Click on **Enabled** button in **Limit reservable Bandwidth** menu; reduce the Bandwidth by **0%**.



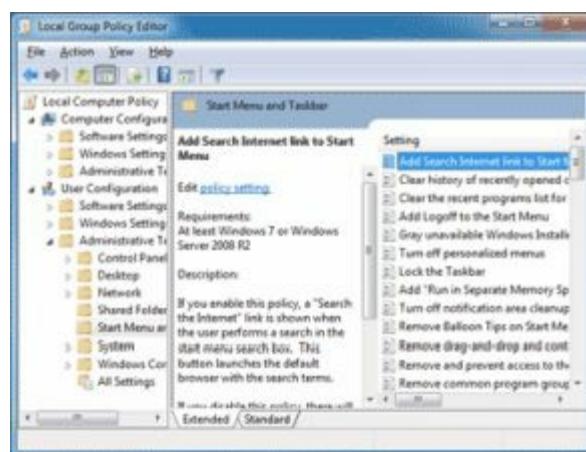
6. Click on **Apply** button and then **OK**.

7. Restart your computer. Congratulation you are done now.

Now connect the internet & see the difference in internet connection or your browsing speed.

### 3.4 Search Internet from the Start Menu

Enable Internet search from the Start Menu using your default browser. Run **gpedit.msc** from the Start Menu search box to start the **Local Group Policy Editor**. In the left pane, go to **User Configuration > Administrative Templates > Start Menu and Taskbar**. Then Select **Add Search Internet link to Start Menu** from the right pane, right-click to **Edit** and **Enable** to add search internet link to Start menu. Click **OK**.



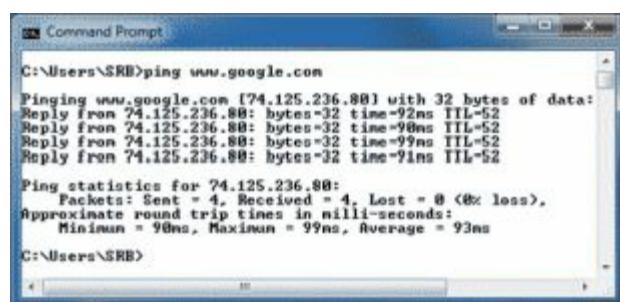
### 3.5 Know any website IP address in Command Prompt

1. Press **Windows logo key + R** to open **Run**

2. Type **cmd** and press **Enter**.

3. Type **ping www.websitename.com** and press **Enter** in **Command Prompt** window. Then the result shows the **IP address** of the website.

Example: type **ping www.google.com**



### 3.6 View Passwords hidden in asterisks

We always want the browsers to remember the username and password of our online accounts. After a period of time, we tend to forget what the password was. It is easy to find those passwords, if we are able to see what is behind the black dots (.....) or asterisks (\*\*\*\*\*). To know the password behind the dots then follow the steps:

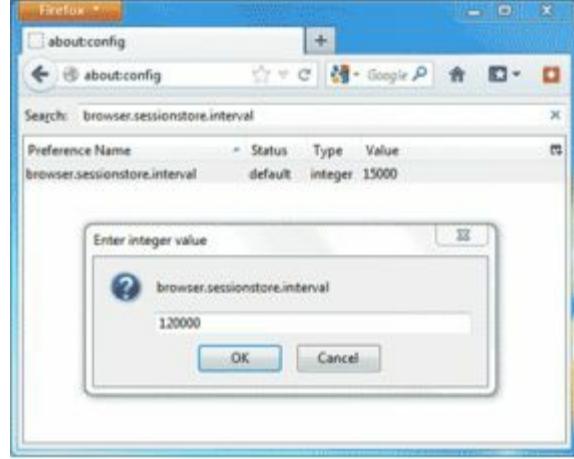
1. Right click on the password textbox and from the options click on **Inspect Element(Q)**.
2. Then, a small window would come up with a few lines of code. You need not worry about the codes. The line in which the password will be highlighted. If the codes are not showing in a html format below then click on  button on the lower left corner of that page.
3. Now double click on the term password and change it to text and press enter. Now you see what's behind the dots.

### 3.7

## How to speedup online videos and performance of Firefox

By default Firefox automatically saves your session every 10 seconds so that it can be easily restored even of a crash. But if you think 10 seconds is either too much or is not enough, then you can change it to whatever you think is right for you, with just a little tweak to the **about:config** settings. To do this,

1. Open **Mozilla Firefox** browser and in the address bar type **about:config** and press **Enter**.
2. Then you will get a warning message, click on **I'll be careful, I promise**.
3. Then in the filter text entry bar (on top left), type **browser.sessionstore.interval**



4. Just double click on it and change its value to **120000**. If you want to input your own value, then you should know that the value is actually in milliseconds. So, if you want to change the interval to 1 minute, then you would enter **60000**.
5. Click **OK** and restart the Firefox.

### 3.8 **Sign-out of all Gmail sessions**

If you have forgotten to sign-out from your Gmail account anywhere, you can now sign-out from all Gmail sessions. To do this,

1. Open your **Gmail** account and click on the **Details** link in the bottom right of your screen.
2. This will open up a pop up window where you can see recent activity, whether your Gmail account is open in any other location, and choose to **Sign out of all other sessions**.
3. Clicking that button will ensure all your previous Gmail sessions are logged out, leaving you logged in to the current computer only.

### 3.9 Sign-in to multiple Google accounts in the same browser

If you use multiple Google accounts say one for Gmail another for ad-sense and yet another for Reader, you would know that you can sign into only one account at a time in a browser. Of course you could use separate browsers for each of the account, but it is hassle to do so. It is a great alternative that Google has an advanced feature that lets you sign into multiple Google Accounts simultaneously in the same browser.

In this case I will show you how to sing in multiple Gmail accounts.

1. Sign in to your **Gmail Account**.
2. Then at the top-left corner Click on your profile photo and click **Add Account**.
3. Then another tab opens in your web-browser. Enter another **Username** and **Password**. Click **Sign in**.

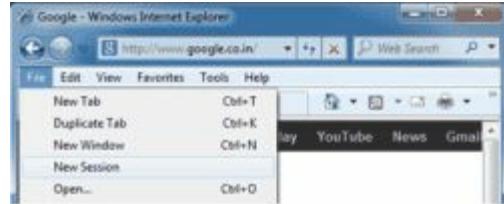
Now, you are able to view your both Gmail Accounts in one web-browser.

### **3.10 Log in to multiple web accounts simultaneously - (Google, Gmail, Facebook, Twitter, etc.)**

Many of us have multiple accounts with one web site. Whether it be several Gmail accounts or two separate twitter accounts or any such multiple accounts. But it is always a hassle to have to log out of each account to access another. Follow the steps to log in to multiple web accounts simultaneously.

#### **In Internet Explorer 8 and higher version**

Open Internet Explorer, Click on **File** and then **New Session**. This opens up a new browser window that will allow you to log into different accounts across the sessions.



### 3.11 Save any web article to PDF for free

Internet is a very huge library of information. It has millions and millions of pages of information about virtually anything. Reading each and every article may not be possible due to many reasons mainly due to time limitation.

The website <http://pdfmyurl.com/> helps you to save the web-article to **PDF** format and you can read it at anytime you want.

#### PDF MY URL - <http://pdfmyurl.com/>

1. Type <http://pdfmyurl.com/> on your browser's address bar.



2. Enter the URL (that you want to convert into pdf format). In this case I have typed the web address [http://en.wikipedia.org/wiki/Windows\\_8](http://en.wikipedia.org/wiki/Windows_8)
3. Click **P** button next to the **Enter url Location** field.
4. In a few seconds, this website allows you to download a **PDF** version of the requested webpage.
5. Then you can download the **PDF** file and read even through the requested **URL** may be blocked.



Similarly, there is another website <http://joliprint.com/> helps you to save and share the **pdf** format of web-article. This site gives you various options for saving the file. You can directly download it, have it send to your **Email** address or even can be shared using **Facebook** and **Twitter**. In this way you can access the blocked website on the internet.

#### JOLIPRINT - <http://joliprint.com/>

1. Type <http://www.joliprint.com> on your browser's address bar.



2. Enter the URL (that you want to convert into pdf format).
3. Click **joliPrint it!** button next to the **Enter URL Location** field.
4. In a few seconds, this website allows you to download a PDF version of the requested webpage. You can save the PDF file to **Google Docs**, **Gmail** and share with **Facebook** and **Twitter**.



### **3.12 Free online Resume builder**

A resume (also called CV: Curriculum Vitae) is a document used by persons to present their backgrounds and skills. Resumes are the best reflections of your career. It can be used for a variety of reasons, but most often they are used to secure new employment. Majority of the recruiters agree that they go through each resume only for a few seconds and that the first impression they get is from them. Hence, the resume will have to make the first big punch for you. Having said all these, the below **List of Resume builder websites** makes superb resumes for you.

#### **List of Resume builder websites**

[www.resumebuilder.org](http://www.resumebuilder.org)

[www.cvmkr.com](http://www.cvmkr.com)

[www.resumesimo.com](http://www.resumesimo.com)

[www.instantonlinecv.co.in](http://www.instantonlinecv.co.in)

[www.resumonk.com](http://www.resumonk.com)

[www.resumesimo.com](http://www.resumesimo.com)

[www.gotresumebuilder.com](http://www.gotresumebuilder.com)

[www.freeresumebuilder.biz](http://www.freeresumebuilder.biz)

[www.onlinecvgenerator.com](http://www.onlinecvgenerator.com)

[www.mycvbuilder.com](http://www.mycvbuilder.com)

### **3.13 Unlock PDF and EXCEL files Online**

If a PDF files have some restrictions (like Copy from the PDF file won't work, etc.) and password. Then the website <http://www.pdfunlock.com/> helps you to remove passwords and restrictions from secured PDF files.

#### **1. Go to <http://www.pdfunlock.com/>**



- 2. Browse the PDF file that you want to unlock. Then click **Unlock!**.**
- 3. Within few seconds, you will able to download the unlocked PDF file.**

File Type	Website
PDF	<a href="http://www.pdfunlock.com">www.pdfunlock.com</a> <a href="http://www.unlock-pdf.com">www.unlock-pdf.com</a>
Excel	<a href="http://www.unprotect-excel.com">www.unprotect-</a>

[excel.com](http://excel.com)

### 3.14

### Free online file converter

This is a nice online converter file which can be used for almost all type of files at anytime from anywhere. To do this,

1. Go to [www.online-convert.com](http://www.online-convert.com) and select the tool you want to use.



2. Suppose you wish to convert an image to PNG format. Select the conversion and click on **Go**.
3. Now browse the file or enter the web URL of the image. Select the quality settings and then click on Convert.
4. After the conversion, you will find the download link of the converted file. Download the file.

### 3.15

### Online Edit Photos

Upload your picture or photo or enter the URL of an image on the Internet. After uploading, you can resize, sharpen and/or rotate your photo. Several filters and effects are available to enhance your photo: Red Eye Removal, Sepia, Enhance, Sharpen and Polaroid Effect.

Some popular websites are :

<http://www.freeonlinephotoeditor.com/>

<http://www.fotor.com/>

<http://pixlr.com/editor/>

<http://web.photocat.com/edit/>

<http://www.befunky.com/>

<http://www.pizap.com/pizap>

<http://www.picmonkey.com/>

<https://www.picmonkey.com/editor>

### **3.16 Scan your files for malwares online for free**

This is a site where you can upload your suspected files and get them scanned for free. An email from anyone can also have a virus or a malware which might have got attached to the mail without his or her knowledge. Antivirus software has become an indispensable element of your computer. It is very good for them who hate anti-viruses. Jotti's Malware scan is a free online service where 20 prominent antivirus software scan the files uploaded by you and inform whether they are clean or not. The file you suspect to be infected can be uploaded and the result is almost immediate. To do this,

1. Type the <http://virusscan.jotti.org/en> on your browser's address bar.
2. Then select the file required to be scanned.



### **3.17 Online trace any mobile number anywhere**

You can find out all information we have on any phone number in the world. Simply enter the phone number in international format for correct results.

#### **Phonetrace.Org**

<http://www.phonetrace.org/>

#### **How does it work?**

Using both GPS satellite techniques and triangulation based on phone towers.

#### **Who makes use of this technology?**

Cell phones are giving employers new ways to check up on employees in the field and raising fresh workplace privacy concerns as a result. Law enforcement agencies have found this technology to be the biggest breakthrough since DNA testing. Also PhoneTrace has been in huge demand by people check up on an untrustworthy spouse!

#### **Trace ... Mobile Number - Location Tracking with details**

<http://www.findandtrace.com/trace-mobile-number-location>

#### **Phone No Tracker | Online GPS Mobile Locator Using Cell Phone Number**

<http://gpsphonetracker.org/>

*GPS Phone Tracker is the first free website for finding any phone signals only with number. Now you can start tracking your friends, kids or spouse. Phone tracker app can locate your lost or stolen cell phone in less than 20 seconds! Try out gps phone tracker free online to get experience about how to track someones phone without them knowing. Just put a phone number which you want to lookup, then get your locations for Android, iPhone or Windows mobile devices.*

### **3.18      Search pictures of people in 3D layout**

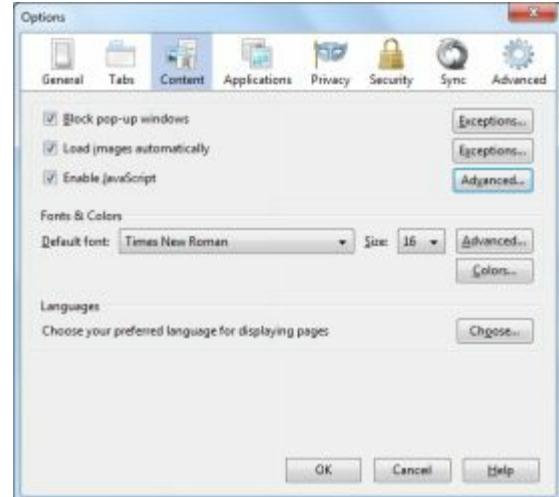
The website [www.facesearch.com](http://www.facesearch.com) is a free website which helps you search faces of people. This website has a very simple layout and all you need to do is to enter the person's name in the search box and click on search. The interface gives a **3D layout** of pictures with matching names.

### 3.19

### Disable websites from resizing your Firefox browser window

Firefox is a very popular browser. Be it in the speed which it displays a webpage, it downloads a file or the number of plug-in available for further making the browser user-friendly, Mozilla Firefox stands ahead of other browsers. It is really disturbing to see certain websites resizes the browser window. This is how to disable them doing so in Firefox.

1. Click on **Tools** menu and select **Options**.
2. Click on the **Content** tab.



3. Opposite to the check box name **Enable JavaScript**, you can find a button named **Advanced**. Click on it.



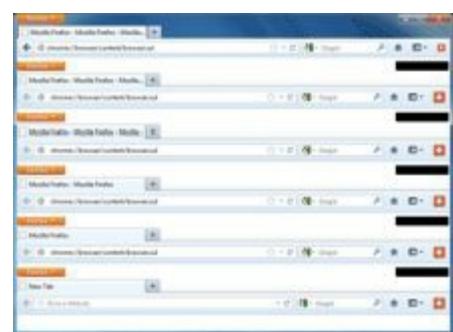
4. Uncheck the option **Move or resize existing windows**.
5. Click **OK** twice.

### 3.20

### How to run Firefox inside Firefox inside Firefox

Open **Mozilla Firefox** and in the address bar type the following URL and press **Enter**.

**chrome://browser/content/browser.xul**



You could again enter the above URL in the second Firefox that appears to open a third one. You could repeat this as many times as your screen size permits.

YouTube, the extremely popular video sharing website averaging more than 3 billion page views per day needs no introduction to its fans who spend a considerable amount of their time watching and sharing videos on it. While most of these users know every nook and corner of this website, there are some features that are hidden deep within, in a manner that only few of the most experienced users seem to know about them. This article contains some such features, tips and tricks.

### **YouTube MySpeed**

Are YouTube videos taking too much time to load on your internet connection? Visit the [YouTube MySpeed](#) page to find your video streaming speed and compare it with the average speed of your ISP, your city, your state, your country and the world.

### **YouTube Disco**

YouTube is all set to replace your music players with [YouTube Disco](#). This music discovery project allows you to find the videos of your choice, create a list of them and then easily watch them without having the need to choose a new video after the one you are watching is finished.

### **YouTube Editor**

Do you edit your videos before uploading them to YouTube? Now, you don't need to because it lets you to do all of that online with [YouTube Editor](#); well not all of that but it at least lets you combine, trim and rotate videos. The best part about YouTube Editor is that it allows you to find copyright free music that you can add to your videos. It also offers some comparably advanced features like stabilizing shaky videos and inserting transitions.

### **YouTube TV**

YouTube lets you watch the videos of your choice but have you ever wanted to just sit back and enjoy watching videos just like you watch television? If you have, then [YouTube TV](#) can be of help. YouTube TV plays high quality full screen videos tailored to your choices (if you are signed in to your [Google](#) account). If you are not signed in, you can choose a category to watch videos from, watch featured videos and even search for the video of your choice.

### **Set default video playback quality**

Are you annoyed at manually changing the quality of every YouTube video you watch? Now you don't need to, because YouTube has [an option](#) that automatically lets you select the quality of videos you see. If you have a slow connection, you can select the option of never playing high quality videos. You can also select the option of showing captions and annotations automatically.

### **Watch Videos blocked in your country with a URL trick**

If the URL of the video that is [blocked in your country](#) is youtube.com/watch?v={video-id}, you can access it by going to youtube.com/v/{video-id}. As an additional advantage, you will be able to view

the video at the full size of your browser window.

## **Link to a specific time in a video**

If you want to link to a video at a specific time, you can add #t=XXs to the URL where XX is a variable which represents the number of seconds after which the video will start.

## **Play videos in slow motion**

Press the space bar while a video is being played to play it in slow motion.

## **YouTube Live**

Ever wanted to broadcast your videos live on the internet? [YouTube Live](#) lets you do just that. YouTube Live supports larger production than Hangouts on Air. However, to broadcast videos live, your channel must be in [good standing](#).

## **Create a feed of almost anything on YouTube**

Just go to the [YouTube Data API](#) page and build a custom [feed](#) for yourself. However, there is a problem with the URI generated for specific categories as "{<http://gdata.youtube.com/> schemas/2007/categories.cat}" is also added to it. Remove this and the URI is good to go.

## **Find out what is popular on YouTube**

Want to find the best videos on YouTube? Use [Popular on Youtube](#) channel to find what other users are watching, discussing and favoring. You can select a particular category to determine the best videos in that particular category. You also have the option to play all the videos that are popular right now.

## **Legally Watch Full Length Movies and TV Shows on YouTube**

YouTube has a [dedicated page](#) to allow users to watch full-length ad supported movies for free. Movies are classified based on their genre and are offered in full HD quality. Movies are uploaded by the creators for the purpose of creating another source of revenue for themselves as Google gives them a portion of the advertising revenue. A similar page [exists for TV shows](#). These two pages are country specific and may or may not be available in your country.

## **YouTube Easter eggs**

### **For Star Wars and Star Trek fans**

If you are a [Star Wars fan](#), then there is some good news for you. YouTube has an easter egg just for you guys. Search YouTube for "use the force, Luke" to warp your screen. Star Trek fans need not be disappointed as there is an easter egg for them as well. Searching YouTube for "Beam me up, Scotty" reveals it.

### **YouTube Snakes Easter egg**

You can play the classic Snakes game while watching any video in your browser. Just pause a video, hold the left arrow key for 2 seconds and while still holding it, press the Up arrow key. This only works in the new YouTube player on videos played on YouTube.com.

### **do the Harlem shake**

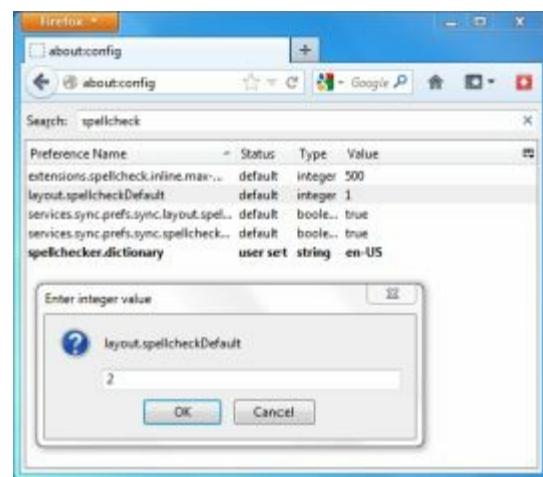
Search YouTube for "do the Harlem shake" and the entire page will shake violently with the song "Harlem Shake" by Baauer being played in the background.

### 3.22

### Add Firefox's Spelling-Check feature to forms

Mozilla Firefox comes with a cool built-in spelling checker. You could right-click the word to see spelling suggestions along with the usual context-menu options.

1. Open Mozilla Firefox, type **about:config** in the address bar and press **Enter**.
2. Click **I'll be careful, I promise!**.
3. In the **Filter** field, type *spellcheck*. Right-click on *layout.spellcheckDefault*, and click on **Modify**.



4. Change the value from 1 to 2 and restart Firefox. The spelling checker should now work in most online forms.

### 3.23 Check username availability on multiple sites at once

Most people use a specific username or alias across a lot of sites, as it is easier to remember and also, your friends could identify you easily in various sites with your username. But it could be very frustrating, when you try to sign up on a new site only to find that your username is already taken. Checking for availability of your chosen username in several sites of interest could be a daunting task. Fortunately, there is an easier way.

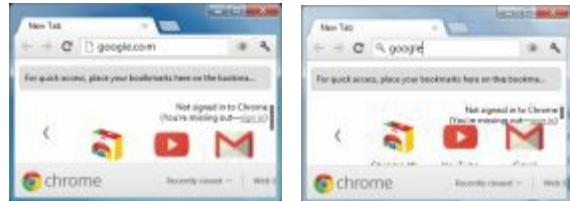


[www.usernamecheck.com](http://www.usernamecheck.com) is a site, in which you can use to check the username availability on multiple sites at once. You can type in your desired name **usernamecheck.com** will scan over **20** social networks and services and tells you within seconds whether the username is available or taken. If it is available, it provides **Thumbs Up** sign to the site, where you can sign up before someone else takes your name.

### 3.24 You don't need the “http://” portion of a web page on Address bar/Location bar

When typing an **Internet address** you do not need to type **http://** or even **www.** in the address.

For example, if you want to visit **Google** you could just type **google.com** and press **Enter**.



Type **google.com** and press **Enter** (Left) : Type **google** and press **Ctrl + Enter** (Right)

To make things even quicker, if you're visiting a **.com** address you can type **google** and then press **Ctrl + Enter** to type out the full [\*\*http://www.google.com\*\*](http://www.google.com) address.

### 3.25 Take advantage of tabbed browsing

Take full advantage of tabbed browsing in all Internet browsers. While reading any web page if you come across a link you may be interested in open that link in a new tab so it can be viewed later. A new tab can be opened by holding down the **Ctrl** key and **clicking** the link or if you have a mouse with a wheel click the link with the **middle mouse button**.

### 3.26

### Quickly move between the fields of a web page

If you're filling out an online form, e-mail, or other text field you can quickly move between each of the fields by pressing the **Tab** key or **Shift + Tab** to move back a field.

- To move **Forward**, press **Tab** key.
- To move **Backward**, press **Shift + Tab** key.

For example, if you're filling out your name and the next field is your e-mail address you can press the **Tab** key to switch to the e-mail field.

#### Tips

- *This tip also applies to the buttons, if you press tab and the web developer has designed correctly the button should be selected and will allow you to press the Space bar or Enter to push the button.*
- *If you have a drop-down box that lists every country or every state you can click that box and then press the letter of the state or country you're looking for. For example, in a drop-down box of States in the India you could press u on the keyboard to quickly scroll to I types.*

### 3.27

### Google “I'm Feeling Lucky” button Magic Tricks



Go to **Google Home Page** ([www.google.com](http://www.google.com)) and type the following codes and click **I'm Feeling Lucky** button right next to the **Google Search** button. You must **Turn off Instant search** (from **Search settings** option).

<i>Type the following codes and click I'm Feeling Lucky button right next to the Google Search button.</i>			
google sphere	google gravity	google mirror	google pacman
weenie google	lol limewire	epic google	annoying google
rainbow google	let it snow	tilt	google loco
google heart page	epic box	who's awesome	who is the cutest
google magic	sexy snape	Google Pirate	Google Hacker
GoHarsh	Google God	Google Gothic	Google Piglatin
"Googlo"	Google Pond	Translate for Animals	Funny Google
Google Blackle	Google Variations	Google Guitar	do a barrel roll
Google "country name"	Google "color name"	How Huge Is Google? (Infographic)	am I awesome

## Tips:

- Type **Google “country name”** and click on **I’m Feeling Lucky**. For example type **google china** and click on **I’m Feeling Lucky**.
- Type **Google “color name”** and click on **I’m Feeling Lucky**. For example type **google blue** and click on **I’m Feeling Lucky**.

### Example of Google mirror



If you click **Google Search** button after type the code, then you have to click on the first web-search option.



### 3.28 Google Results page full overview



1. Header
2. Search bar
3. Search results
4. Tools & filters
5. Right-hand section
6. Bottom of the page

### 3.29 Google Calculator

Google search can be used as a calculator. It can calculate anything from the simplest math to the most complex equation. Enter any math equation into the search box and we'll calculate your answer.

Example: Type **100 \* 3.14 - sin(65)** and Click **Google Search** or Press **Enter**.



### 3.30 Search with an exact phrase in Google

Put quotation marks around words "any word" to search for an exact phrase in an exact order. Keep in mind that searching with quotes might exclude relevant results. For instance, a search for "Alexander Bell" will miss pages that refer to Alexander G. Bell.

Example: Type **“to be or not to be”** and Click **Google Search** or Press **Enter**.

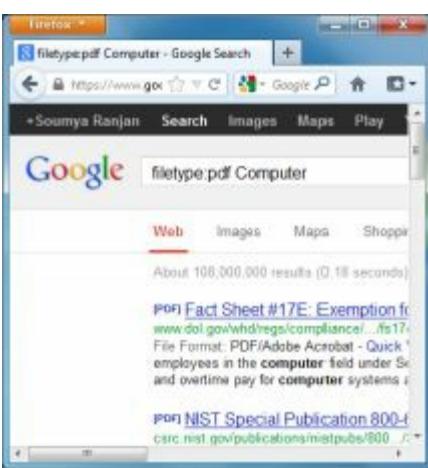


### 3.31 Search for specific file types in Google

There are various kinds of files available over the net. Searching for a specific file type isn't really easy. But using this tip you can easily search for a specific file type. Search for specific types of files, such as PDFs, PPTs, or XLS, by adding **filetype:** and the **3-letter** file abbreviation.

Example: Type **filetype:pdf Computer** or **Computer filetype:pdf** and Click **Google Search** or

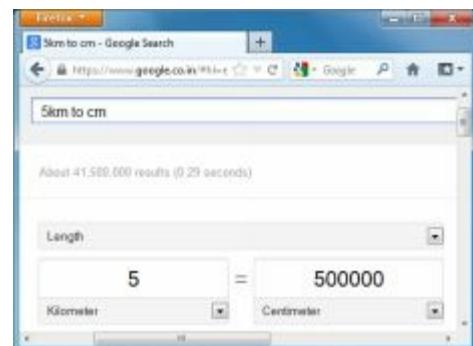
Press Enter.



### 3.32 Google Measurement Converter

Convert any measurement -- like miles to kilometers or ounces to liters -- by typing in the number and unit of measurement.

Example: Type **5km to cm** and Click **Google Search** or Press **Enter**.



### 3.33 Currency conversions in Google

Get current exchange rates by searching [currency 1] in [currency 2].

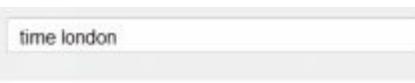
Example: Type **1\$ in INR** and Click **Google Search** or Press **Enter**.



### 3.34 Exact time of any place in Google

To see what time it is anywhere in the world, search **time** and the **city** or **country**. If you want to see the local time, then just type **time** and Press **Enter**. If you want to know the time in a specific city or country, then type **time city/country name** and Press **Enter**.

Example: Type **time london** and Click **Google Search** or Press **Enter**.



About 2,790,000,000 results (0.30 seconds)

3:54 Saturday (GMT) - Time in London, UK

### 3.35 Check the weather of anywhere in Google

If you want to see the local weather, then just type **weather** and Press **Enter**. If you want to know the weather of a specific city or country, then type **weather city/country name** and Press **Enter**.

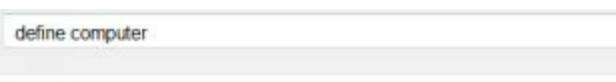
### 3.36 Get Sunset and Sunrise time of anywhere in Google

To Get	Type and Press Enter
Local Sunrise time	sunrise
Local Sunset time	sunset
City/Country Sunrise time	sunrise city/country name
City/Country Sunset time	sunset city/country name

### 3.37 Get definitions of everything in Google

If you want to know the definition of anything, and then type **define any word** & Press **Enter** to get its definition.

Example: Type **define computer** and Click **Google Search** or Press **Enter**.



About 193,000,000 results (0.18 seconds)

**com·put·er** /kəm'pyoōtər/ ⓘ

Noun: 1. An electronic device for storing and processing data, typically in binary form, according to instructions given to it in a variable program. 2. A person who makes calculations, esp. with a calculating machine.

Synonyms: calculator

More info » Wikipedia - Dictionary.com - Answers.com - Merriam-Webster

### 3.38 Trace My IP Address

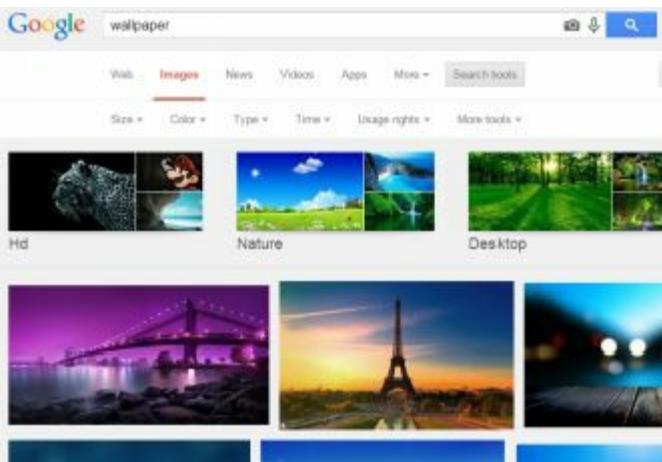
If you want to know the exact IP address of your computer, then type **my ip** & Press **Enter**.

Example: Type **my ip** and Click **Google Search** or Press Enter.



### 3.39      Search by advanced image search in Google

1. Go to **Google Image**.
2. Enter the search item in the search bar.
3. Use **Search tools** to find an exact size, color or type of photo or drawing.

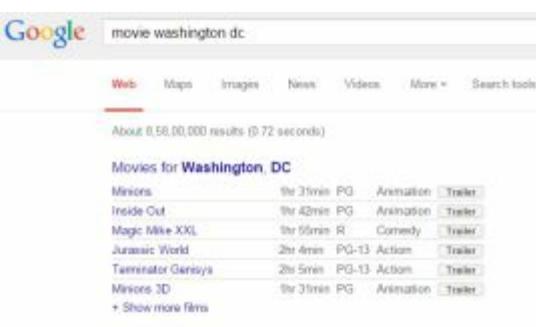


4. With the tools in the **bottom panel**, you can filter your search to include only photos with faces, clip art, high-res images or only images that are available for commercial use.

### 3.40      Get movie times in Google

Search on a movie name or just movie to see theater locations and showtimes in your area.

Example: Type **movies washington** and Click **Google Search** or Press Enter.



### 3.41

### Get the list of all films of any Actor and Actress

Go to [www.google.com](http://www.google.com)

Type Actor/Actress name movie and Press Enter.

Example : Al Pacino movie

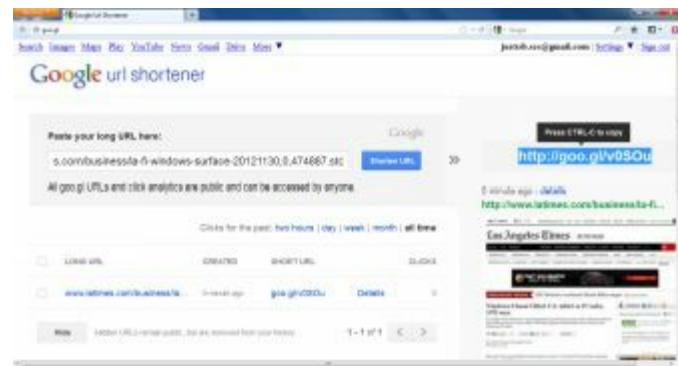


### 3.42

### Google URL shortener

The **Google URL Shortener** at <https://goo.gl/> is a service that takes long URLs and squeezes them into fewer characters to make a link easier to share, tweet, or email to friends. For example, the short URL <http://goo.gl/v0SOu> is a convenient shorthand representation for the long URL

<http://www.latimes.com/business/la-fi-windows-surface-20121130,0,474887.story>



Go to <http://goo.gl/> and paste the **long URL** you wish to shorten into the input box at the top of the page. Click **Shorten** and to the right of the box you'll see a **short goo.gl URL** that can be copied and pasted anywhere you'd like to share it.

If you'd like to track the analytics of your shortened URL, please sign in to your Google Account before shortening your URL. Your shortened URL will automatically be added to your goo.gl history.

### 3.43

### Google Earth

Google Earth is a virtual globe, map and geographical information program that was originally called EarthViewer 3D.

Google Earth allows you to travel the world through a virtual globe and view satellite imagery, maps, terrain, 3D buildings, and much more. With Google Earth's rich, geographical content, you are able to experience a more realistic view of the world. You can fly to your favorite place, search for businesses and even navigate through directions. It's all up to you!

Although the options within Google Earth are endless, here are a few things you can do:

- **Discover the Earth:** Fly to any location in the world, learn about a city and its geographic features, find local businesses, and create tours.
- **Explore the Sky:** Enjoy the wonders of the heavens and learn about our solar system.
- **Dive in the Ocean:** Go beneath the surface and visit the depths of the ocean and explore the planet's deepest underwater canyons. Learn about ocean observations, climate change, and endangered species. You can even discover new places to surf, dive and fish.
- **Walk on the Moon:** Take tours of landing sites narrated by Apollo astronauts and view 3D models of landed spacecraft.
- **Visit Mars:** Travel the Red Planet and explore NASA's latest imagery of our galactic neighbor.

Google Earth is simply your ticket to explore the Universe!

### To explore the earth in 3D view:

1. Go to <http://www.google.co.in/earth/>



2. Click Download
3. After completion of download, open Google Earth.





- Search any location in 3D view.

### 3.44 Most useful Google Operators

The following table lists the search operators that work with each Google search service. There is no space between operator and keyword. Ex. **software site:www.download.com**

Operator	Example
Site:	<b>software</b> <b>site:www.download.com</b> will find all sites containing the word <b>software</b> , located within the <b>download.com</b> domain
Intitle:	<b>intitle:google hacking</b> will find all sites with the word <b>google</b> in the title and <b>hacking</b> in the text
Allintitle:	<b>allintitle:google hacking</b> will find all sites with the words <b>google</b> and <b>hacking</b> in the title
Inurl:	<b>inurl:google hacking</b> will find all sites containing the word <b>hacking</b> in the text and <b>google</b> in the URL
Allinurl:	<b>allinurl:google hacking</b> will find all sites with the words <b>google</b> and <b>hacking</b> in the URL
filetype: (or ext)	<b>filetype:pdf hacking</b> will return PDFs containing the word <b>hacking</b> , while <b>filetype:xls hacking</b> will return Excel spreadsheets with the word <b>hacking</b>
Numrange:	<b>numrange:50000-100000 car</b> will return sites containing a number from <b>50000</b> to <b>100000</b> and the word <b>car</b> . The same result can be achieved with <b>50000..100000 car</b>

Link:	<b>link:www.google.com</b> will return documents containing one or more links to <b>www.google.com</b>
Inanchor:	<b>inanchor:hacking</b> will return documents with links whose description contains the word <b>hacking</b> (that's the actual link text, not the URL indicated by the link)
Allintext:	<b>allintext:google hacking</b> will return documents which contain the phrase <b>google hacking</b> in their text only
cache:	<b>cache:www.timesofindia.com</b> will display Google's cached version of a web page, instead of the current version of the page.
info: (or id:)	<b>info:www.google.com</b> will find the information about www.google.com
related:	<b>related:www.timesofindia.com</b> will find websites related to the <b>timesofindia</b> website.
~	<b>~hacking</b> will find the synonym
“ ”	<b>“windows hacking”</b> will find the phrase
OR	<b>computer OR laptop</b> will find the results include either search term.
-	<b>ipod -itunes</b> use - immediately before a search term you want to exclude
+	<b>+the</b> use + immediately before automatically excluded search terms that you want included

### 3.45 Google help center

If you have the curiosity about Google, then the following website helps you out.



Help Center	Website
Google Help Center	<a href="https://support.google.com">https://support.google.com</a>
Google+ Help center	<a href="https://support.google.com/plus">https://support.google.com/plus</a>
Google Play Help center	<a href="https://support.google.com/googleplay">https://support.google.com/googleplay</a>

YouTube Help center	<a href="https://support.google.com/youtube">https://support.google.com/youtube</a>
Gmail Help center	<a href="https://support.google.com/mail">https://support.google.com/mail</a>
Web Search Help center	<a href="https://support.google.com/websearch">https://support.google.com/websearch</a>
Google Map Help center	<a href="https://support.google.com/maps">https://support.google.com/maps</a>
Google Chrome Help center	<a href="https://support.google.com/chrome/">https://support.google.com/chrome/</a>
Google Features	<a href="http://www.google.com/insidesearch/features/">www.google.com/insidesearch/features/</a>

### 3.46 Backup all your facebook data like photos, videos, and text

1. Login to your **Facebook** account.



2. Click on the Arrow dropdown and then **Settings**.

3. In **General** tab Click on **Download a Copy** at the bottom of page to backup your Facebook data.
4. Click on **Start My Archive** button twice.
5. Click on **Confirm** button.
6. Now, Facebook will generate your personal archive and send to your default Email ID when it's ready.

### 3.47 Facebook shortcut keys

Facebook has shortcuts (access keys) for people who only use their keyboards to navigate.

Find the right combination of keys for your browser in the list below, and replace # with the access key number listed under **Access Keys** below.

- **Internet Explorer for PC:** Alt + #, then Enter
- **Firefox for PC:** Shift + Alt + #
- **Safari for Mac:** Ctrl + Opt + #
- **Firefox for Mac:** Ctrl + Opt + #
- **Chrome for Mac:** Ctrl + Opt + #
- **Chrome for PC:** Alt + #

#### Access Keys

- 0 - Help
- 1 - Home

- 2 - Timeline
- 3 - Friends
- 4 - Inbox
- 5 – Notifications
- 6 – Settings
- 7 - Activity Log
- 8 - About
- 9 - Terms

## Keyboard Shortcuts

### **News Feed**

- j and k - Scroll between News Feed stories
- enter/return - See more of the selected story
- p - Post a new status
- l - Like or unlike the selected story
- c - Comment on the selected story
- s - Share the selected story
- o - Open an attachment from the selected story
- / - Search
- q - Search chat contacts
- ? - Open a list of these keyboard shortcuts while in News Feed

### **Web Messenger:**

- CTRL + g - Search conversations
- CTRL + q - Show/hide keyboard shortcuts
- CTRL + Delete - Archive/unarchive conversation
- CTRL + j - Mark as spam
- CTRL + m - Start a new message
- CTRL + i - Go to Inbox
- CTRL + u - Go to Other

### 3.48

## How to deactivate or permanently delete a Facebook account

If you would like to delete your Facebook account, then

1. Login to your **Facebook** account.
2. Click on the Arrow dropdown and then **Settings**.



3. On the **Security** tab click on **Deactivate Your Account** at the bottom of page.
4. Confirm Facebook **Account Deactivation** page will load. Select one of the **reasons** why you want to delete your Facebook account and click on **confirm** button.
5. Your facebook account will be deactivated after again choosing the **Deactivate** button on next step.

*If you would like to delete your Facebook account permanently with no option for recovery, then*

1. Log in to your Facebook account.
2. Open [https://www.facebook.com/help/delete\\_account](https://www.facebook.com/help/delete_account) in your browser
3. Click on delete my account.

Your facebook account will be deleted after choosing **reasons** why you want to delete your Facebook account and click on **confirm** button.

### 3.49 Post blank status and comment on facebook

This is an amazing trick to post blank status and comments on Facebook means your status update shows nothing and your friends will be amazed to see this.

#### *Updating Blank Status*

To update a blank status,

1. Log in to your Facebook account.
2. Click on Update Status box and Press the ALT key, hold it, and type 0,1,7,3 without those commas (ALT+0173).
3. Click on **Post**.

**Tips:** If you want to post multiple blank lines, then you should type the above code line by line.

#### *Posting Blank Comments*

Posting a blank comment is pretty much the same as creating a blank file or folder in windows. If you missed that article, catch it now.

Okay, so to post a blank comment all you have to do is press the ALT key, hold it, and type 0,1,7,3 without those commas (ALT+0173). Remember, do not release the alt key while typing. Now leave all the keys and press enter.

### 3.50 Insert symbols and characters in Facebook status and comments

This is a cool trick to update Facebook status

1. Log in to your Facebook account.
  2. Go to <http://fsymbols.com/>
  3. Click and Copy the symbols and characters which you want to insert in facebook status
  4. Paste it in your facebook status and comments



**Note :** *Another website for your interest*

<http://www.symbols-n-emoticons.com/p/facebook-emoticons-list.html>

### **3.51 How to block people/apps/events/pages on facebook**

To do this,

1. Log into your Facebook account.
  2. Click on the Arrow dropdown and then Settings.



- 3. Click on Blocking on the left panel.**
  - 4. Then block anything you want.**

### 3.52 View Facebook Photos in Full Screen Mode

Now Facebook has published out new photo viewer. This feature allows users to view Facebook photos in full screen mode.

1. First open a photo by clicking on it.
2. Place the mouse pointer on it and click on **Options** at the bottom right of the photo.
3. Click on **Enter Fullscreen** for view facebook photos in full screen mode.
4. That's it and now use **Esc** key for exit full screen mode.

### 3.53 How to find if somebody hacked your facebook account

*Now-a-days everybody wants to know everyone's facebook password. So if they will get your password then your facebook account will be used in a bad way. This is a method to know who opens your account silently. To do this,*

1. Login to your **Facebook** account.
2. **Click on the Arrow dropdown and then Settings.**



3. Click on **Security** tab, choose **Where You're Logged In** option.

*Find out the locations with time and devices to trace out whether you logged in or not at that time.*

4. If you want to logout from that session then click on **End Activity**.

### 3.54 How to Block Facebook Applications Forever

1. Log into your Facebook account.
2. Click on the **Home-dropdown** and then **Privacy Settings**.
3. Click on **Edit settings** under **Ads, Apps and Websites** section.
4. Click on **Edit settings**.
5. Close all platform apps one by one.

### 3.55 Who can look me up? On Facebook

1. Log into your Facebook account.
2. Click on the **Arrow dropdown** and then **Settings**.
3. Click on **Privacy** tab
4. Under the **Who can look me up?** Edit your desired settings.

Facebook includes a long list of emoji and emoticons that users can use in messages, status updates, comments and basically any place there is text on Facebook. You can use the emoji keyboard on your iPhone or Android, but you can also type out [Facebook emoticon](#) short codes in Facebook.

FACEBOOK EMOTICON	SHORT CODE	NAME
	(y)	Like
	O:)	Angel
	3:)	Devil
	8-)	Glasses
	<3	Heart
	:*	Kiss
	:v	Pac Man
	<(")	Penguin
	:[]	Robot
	(^~^)	Shark
	:-o	Gasp
	:p	Tongue Out
	^_ ^	Kiki
	8-	Sunglasses
	:poop:	Poop
	:3	Goofy Face / Cat

The list of Facebook emoticons above includes the short code that you need to type in to Facebook to make the emoji. You can also copy and paste the short code from this list.

The method is very cool as you will no need to individually invite all your friends to like your page as you will be just converting the Facebook profile into the page. So just follow up some of simple steps below to proceed.

1. First of all login into your profile which you want to migrate to a Facebook page.
2. Now open the [link to migrate your profile](#).
3. Now you will see all the category in which you can change your page, select any of your choice or need.
4. Now agree the Facebook terms and conditions and proceed.
5. Note that converting your facebook profile into a page will lost all your facebook data and your friends will convert into your page likes.
6. Facebook will ask you some security question while proceeding answer them and proceed.
7. That is it you are done now your profile get completely converted into a page, share your links and media there.

Facebook Page Verification method only four type of verification of pages or profiles in 2015 which are :-

- Journalists
- Popular Brand or Businesses
- Government Officials
- Celebrities

These are the four categories of pages or profile which can be verified by Facebook with the new method of verification facebook page or profile 2015. Suppose if you have any local business which is popular then Facebook may claimed your page if you are official. And then there is no need to submit any type of request to Facebook for page verification. They automatically claim your page as verified depend on some details and minimum requirements mention by Facebook.

If you have pages mentions above there will be chances to get your page or profile is verified and your Facebook page must be official represent your local business or any personality and may be have some popularity on Facebook. When you create Facebook page fill all the real info about your or your business so Facebook will get to know that your real person. You need to follow some instructions :-

- 1. Link To Your Profile or Page From Official Website** on your page or profile which you want to verify facebook page 2015.
- 2. Provide accurate information in details about your business** in About Section of Page or Profile.

*In About section you must add :*

- Significant long and short description,
- Keyword who represent your business,
- Email,
- Official Website,
- Products and
- Verified Facebook Page Location with claimed business address
- And Other details in Page Info tab.
- To send them Facebook page verification “Request a verified Badge” request you need to follow the link given below and fill the real information.

## **REQUEST FOR FACEBOOK PAGE OR PROFILE VERIFICATION**

**Click to open the below link**

### **REQUEST A VERIFIED BADGE**

Facebook Mentions is only available to people with verified Facebook profiles or Pages. To request a verified badge for your Page, please fill out this form. Fill in the required information and send request and then you are done.

### **3.59      Accept/Reject all Facebook Requests at once**

The method is very simple and easy as you just have to use a simple Google Chrome extension that will work for you to accept or rejects all the friends' requests at once. Just follow the simple steps discussed below to proceed.

1. First of all in Google Chrome Browser open and install the extension **Facebook Friends Requests Accept/Reject** from [here](#).
2. Now a Facebook Friends Requests Accept/Reject icon at right top corner of chrome.
3. Now open the link <https://www.facebook.com/friends/requests> and you will see all the Facebook request of your account.
4. Now click on the **Facebook Friends Requests Accept/Reject** icon at right top corner of chrome.
5. Now it will ask you for accept all or reject all just select according to your wish and then refresh the page.
6. Now you will see all friends request will be accept or reject accordingly you had selected.

### **3.60      Delete all Facebook Messages at once**

1. First of all you need a simple browser extension that is available for both the Google Chrome and Mozilla Firefox.
2. For Google Chrome download and install it from [here](#) and For Mozilla Firefox download and install it from [here](#).
3. Now after you installed these browser extension just proceed with login into your Facebook account whose messages you want to delete.
4. Now go to your Facebook inbox where you will see all the messages that you have done with your friends.
5. Now at the top right corner of your browser you will see Facebook **Delete All Message Extension's** icon, just click on it.
6. Now after clicking on it you will receive a popup confirming your action to delete all Facebook messages just confirm it.
7. After a moment you will see All Chat History will get deleted.

### 3.61

### Hide last seen in Facebook chat

#### *HIDE LAST SEEN IN FACEBOOK CHAT IN GOOGLE CHROME*

1. First of all install and open the Google Chrome Browser of your computer.
2. Now in the browser open the link by clicking [here](#).
3. Now you will see **Facebook unseen extension** in the page displayed.
4. Now click on install there and installation process will begin and the extension will get added in your browser.
5. That's it you are done now you can easily see all the message without showing the seen on that with this extension.

#### *HIDE LAST SEEN IN FACEBOOK CHAT IN MOZILLA FIREFOX*

1. First of all install and open the Mozilla Firefox Browser of your computer.
2. Now install the plugin **stealth** by clicking [here](#).
3. That's it you are done now you can easily see **all the message without showing the seen** on that with this extension.

### 3.62

### Wayback Machine

It is a digital archive of the World Wide Web and other information on the Internet created by the Internet Archive, a non-profit organization, based in San Francisco, California. It was set up by Brewster Kahle and Bruce Gilliat, and is maintained with content from Alexa Internet. The service enables users to see archived versions of web pages across time, which the Archive calls a "three dimensional index."

Since 1996, they have been archiving cached pages of web sites onto their large cluster of Linux nodes. They revisit sites every few weeks or months and archive a new version if the content has changed. The intent is to capture and archive content that would otherwise be lost whenever a site is changed or closed down. Their grand vision is to archive the entire Internet.

The name Wayback Machine was chosen as a droll reference to a plot device in an animated cartoon series, The Rocky and Bullwinkle Show. In one of that animated cartoon's component segments, Peabody's Improbable History, lead characters Mr. Peabody and Sherman routinely used a time machine called the "WABAC machine" (pronounced wayback) to witness, participate in, and, more often than not, alter famous events in history.

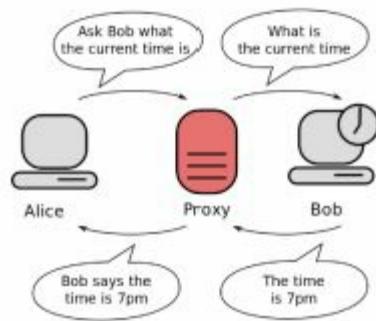
1. Go to <http://archive.org/web/>



2. Then in the search bar enter the Website URL, which you wish to go back in it.
3. Then click on **BROWSE HISTORY**.
4. Select a date on that calendar and go you are now seeing the page of history of that website.

### 3.63 WEB proxy server or HTTP proxy server

In computer networks, a proxy server is a server (a computer system or an application) that acts as an intermediary for requests from clients seeking resources from other servers. A client connects to the proxy server, requesting some service, such as a file, connection, web page, or other resource available from a different server and the proxy server evaluates the request as a way to simplify and control its complexity. Proxies were invented to add structure and encapsulation to distributed systems. Today, most proxies are web proxies, facilitating access to content on the World Wide Web and providing anonymity.



*Communication between two computers (shown in grey) connected through a third computer (shown in red) acting as a proxy. Bob does not know whom the information is going to, which is why proxies can be used to protect privacy.*

#### *List of WEB proxy servers or HTTP proxy servers*

<https://www.hidemyass.com/proxy>

<https://zend2.com/>

<https://kproxy.com/>

<https://hide.me/en/proxy>

<https://www.proxfree.com/>

<https://www.filterbypass.me/>

<https://zendproxy.com/>

[www.anonproxy.eu/](http://www.anonproxy.eu/)

[www.cyberghostvpn.com/en/proxy](http://www.cyberghostvpn.com/en/proxy)

<http://proxy.org/>

### 3.64      **Glype**

*A web-based proxy script is hosted on a website which provides a proxy service to users via a web browser. A proxy service downloads requested web pages, modifies them for compatibility with the proxy, and forwards them on to the user. Web proxies are commonly used for anonymous browsing and bypassing censorship and other restrictions.*

**Glype** : <https://www.glype.com/>

**Glype Downloader** : <https://www.glype.com/download.php>

**Glype** is a web-based proxy script written in PHP which focuses on features, functionality, and ease of use. Webmasters use Glype to quickly and easily set up their own proxy sites. Glype helps users to defeat Internet censorship and be anonymous while web browsing. There have been over 949,000 downloads of Glype since 2007. Thousands of web-based proxy websites are powered by Glype.

#### **Glype Features**

- Free for personal use and licensing options are available for commercial use.
- Source Viewable and webmasters may modify the source code subject to the terms of the Software License Agreement.
- Plug and Play. Simply upload, configure and go!
- Admin Control Panel for easy management and configuration.
- JavaScript Support provides increased compatibility with websites.
- Skinable. A theme system allows for customization of your proxy.
- Access Controls blacklist users by IP address and websites by domain name.
- Blocked.com Integration protects the proxy by blocking specified countries, filtering companies, malicious traffic, bots and spiders, and more.
- Unique URLs provide greater privacy by expiring URLs in the browser history at the end of a browsing session.
- Plugins allow for easy installation of site-specific modifications. Useful for adding new functionality to websites.
- Advanced Options let users change their user-agent and referrer, manage cookies, and remove JavaScripts and Flash.

### 3.65

### Hide-My-IP.Com

This is a tool which, once installed on your computer, will allow you to bypass censorship, hide your identity and surf the internet anonymously.

<https://www.hide-my-ip.com/>

*Surf anonymously, prevent hackers from acquiring your IP address, send anonymous email, and encrypt your Internet connection. Protect your online privacy by changing your IP with Hide My IP.*



### 3.66

### JonDo – the IP changer



<https://anonymous-proxy-servers.net/en/jondo.html>

You may use JonDonym for anonymous surfing, anonymous e-mail, chats and other purposes. JonDo, formerly JAP, is the ip changer proxy tool you have to install on your computer. It acts as a proxy and will forward the traffic of your internet applications multible encrypted to the mix cascades and so it will hide your ip address. It is a Java application, open source and you can download it for free. You may use JonDonym for free, but free mix cascades are restricted in some cases.

JonDo will provide an anonymisation proxy for you, but it does NOT change your system setting. You have to configure the proxy setting of each internet application you want to use anonymous with JonDonym by self.

### 3.67      VPN (Virtual Private Network) Services

What's a VPN service? If you've ever had to connect to a corporate network while working remotely, you may already be familiar with the technology. In simplest terms, you are creating a secure,

encrypted connection between your computer and your company's VPN server. This tunnel essentially makes you part of the company's network, as if you are physically sitting in the office. All your network traffic passes through this protected tunnel, and no one in the hotel you are staying in can see what you are up to. The VPN service is essentially the same idea, except the VPN provider is not letting you have access to its network, but rather offering secure access to the Internet.

Think about it this way: if your car pulls out of your driveway, someone can follow you and see where you are going, how long you are at your destination, and when you are coming back. With a VPN service, you are essentially driving into a closed parking garage, switching to a different car, and driving out, and no one who was originally following you knows where you went.

There is a caveat to this metaphor, though. Just as the person who was following you could figure out where you went if he or she happened to be at the supermarket when you got out of the car, there are complicated timing algorithms that can figure out your activity at the exact moment you leave the encrypted tunnel. VPN services, while tremendously helpful, are not fool-proof. As with anything else on the Internet, don't do anything stupid.

There are several reasons why you should use VPN services: to change your IP address to something else, to prevent anyone from eavesdropping on your online activity while you are connected to Wi-Fi networks, and to make it harder for online advertisers to track you. There are activists who rely on VPN services to get around government censors to communicate with the outside world. Of course, that may be against the law in countries with strict censorship, so be careful.

VPN services are very useful and we highly recommend using them to protect your online activity from malicious snoops. Yes, you can change your IP address to pretend to be from someplace else in order to access content that may be restricted on a geographic basis. But be smart: don't ignore the company's terms of service in order to get around the geographic restrictions for your own personal gratification. You can't complain if you get caught.

## How to Pick a VPN Service

The VPN services market has exploded over the past three years. Many providers are capitalizing on the general population's growing concerns about surveillance and cyber-crime, which means it's getting hard to tell when a company is actually providing a secure service and when it's throwing out a lot of fancy words while selling snake oil. It's important to keep a few things in mind when evaluating which VPN service is right for you: reputation, performance, type of encryption used, transparency, ease of use, support, and extra features. Don't just focus on price.

Despite widespread agreement that VPN services are important to online privacy, you don't actually see a lot of big-name security companies getting into the game. Symantec was one of the first security companies to dip its toe into the VPN pool, but it has since discontinued its Norton Hotspot Privacy product. F-Secure (Freedome) and Avast! (SecureLine) are among the few security companies still in the space. Most VPN providers tend to be stand-alone companies, such as Spotflux and AnchorFree (Hotspot Shield Elite), which makes it a little harder to figure out who to trust. I tend to trust companies that have been around a little longer, just because if they are terrible to their customers, then it would be easier to uncover the complaints than if the company just popped up a year ago. But

your mileage may vary when looking at the company reputation.

Performance is a must when considering VPN services. When you didn't have a lot of choices, you expected to have hiccups and lags while online. Now that there are services that still give you a great experience online while keeping you secure, there is no reason to accept slow speeds or servers which are frequently offline. We spend about a week testing each service at varying times of the day and from different locations to make sure we get a good idea of what the overall service is like. Look for services that provide a free trial, and take advantage of it. Make sure you are happy with what you sign up for, since most of them will not give you any refunds. This is actually why I also recommend starting out with a short term—a week or a month—to really make sure you are happy. Yes, you may get that discount by signing up for a year, but that's a lot of money to lose if you realize the service doesn't meet your performance needs.

I am not a cryptography expert so I can't verify all of the encryption claims providers make. I do know that when I looked at my network traffic using tools such as Wireshark, they were encrypted. I verified that what URLs I visited and what data I was submitting on forms were not transmitted in plaintext. At the very least, there would be no virtual eavesdropping by the person sitting in the coffee shop. I prefer providers that use OpenVPN—it's a standard, and it's a lot better than the common (and older) PPTP. I am not saying do not use PPTP—it's still preferable to not having anything at all.

Transparency is a big one for me. Is it easy to find the terms and conditions and privacy policy for the service? Does the privacy policy spell out what the service does, what it collects, and what its responsibilities are? There are companies that explain they collect some information but aren't clear on how it is being used. Some—like HideIPVPN—tell you upfront that P2P and torrenting is not allowed, and that they will cancel your account if they suspect you of using it while connected to their service. I appreciated TorGuard's clear explanation of how it keeps track of payment card information without maintaining any logging information. Find out where the company is based—some countries don't have data retention laws so it is easier to keep the "We don't keep any logs" promises.

What kind of user are you? Some people are comfortable setting up the service by downloading a configuration file and importing it into the OpenVPN client. Others just want a simple executable to download, install, and be up and running. Or you may prefer something small and invisible operating in the background you don't have to think about.

A decent VPN service should be easy enough to use that you don't have to worry about support. But you want help available for when things go wrong. Online tutorials and extensive documentation should be a must. Chat support and phone support are definitely useful for those times when you just need to get a person online. If the service accepts alternate payments, that's a good thing to look at. I've yet to use Bitcoin to sign up for any of these services, but I've used pre-paid cards to sign up for some. It's a little bit more work, but sometimes, it's not a bad idea to keep some payments separate from your main credit card.

Finally, know what you are looking for. Do you just want a vanilla VPN service that just encrypts your connection and gives you a brand-new IP address? Or are you looking for something more? I

personally prefer a service which acts proactively and shuts down certain applications if my VPN connection drops suddenly (Kill Switch). Perhaps you want the service to automatically turn on—or prompt you to turn on—if you launch a browser. Or you want some kind of network metering so that you can track your usage. Perhaps you want to block aggressive advertising trackers. If you are a heavy BitTorrent user, don't select a VPN service which specifically says it won't allow P2P or torrents.

### 3.68

### **Useful Extensions and Add-ons**

**For Google Chrome : <https://chrome.google.com/webstore/category/extensions>**

#### **AdBlock**

The original AdBlock for Chrome. Block all advertisements on all web pages, even Facebook, Youtube, and Hulu.

It works automatically: just click "Add to Chrome," then visit your favorite website and see the ads disappear!

*You can also get AdBlock for Safari, Opera, and Firefox from [getadblock.com](http://getadblock.com).*

#### **Adblock for Youtube**

Removes the video ads from Youtube

#### **Facebook AdBlock**

Tired of Facebook ads?

No problem ! Just install this AdBlock extension and all your problems are gone.

This Facebook AdBlock will remove the ads from your Facebook page, to leave you with clean Facebook pages.

#### **Photo Zoom for Facebook**

Join nearly 5 million people using Photo Zoom for Facebook, the Highest Rated Most Popular Extension for Google Chrome!

#### **FlashControl**

FlashControl prevents Flash content from loading unless you allow it.

#### **Google Dictionary (by Google)**

View definitions easily as you browse the web.

## **Google Mail Checker**

Displays the number of unread messages in your Google Mail inbox. You can also click the button to open your inbox.

## **Popup Blocker Pro**

Blocks unwanted popups and popunders on sites you visit.

You will see a notification when any popup is blocked. You can add sites to whitelist to ignore this.

White list is synchronised to all chrome browsers that you are signed in.

## **Ghostery**

Protect your privacy. See who's tracking your web browsing with Ghostery.

## **Silver Bird**

Silver Bird is a Twitter extension that allows you to follow your timelines and interact with your Twitter account.

## **WOT**

WOT helps you find trustworthy websites based on millions of users' experiences and is one of Chrome's most popular add-ons

## **Video Downloader professional**

Download videos from web sites or just collect them in your video list without downloading them.

## **Turn Off the Lights**

The entire page will be fading to dark, so you can watch the videos as if you were in the cinema

## **LastPass: Free Password Manager**

LastPass, an award-winning password manager, saves your passwords and gives you secure access from every computer and mobile device

## **Click&Clean**

Deletes typed URLs, Cache, Cookies, your Download and Browsing History...instantly, with just 1-click on Click&Clean button

## **Speed Dial [FVD]**

New Tab Page Replacement with 3D Speed Dial and predefined images, sync and

organize your bookmarks, groups, and most visited

## **Facebook Invite All**

Automatically invite all your facebook friends to Events or Pages with just one click

## **Todoist: To-Do list and Task Manager**

Todoist is the leading online to-do list and task manager. We manage millions of to-dos and we are ready to manage yours as well!

## **Emoji Input by EmojiStuff.com**

Allows you to see and input emoji on any website. Can replace Twitter and Gmail style emoji with iPhone style emoji.

## **Buffer**

Buffer is the best way to share great content to Twitter, Facebook and LinkedIn from anywhere on the web, with just one click.

## **Evernote Web Clipper**

Use the Evernote extension to save things you see on the web into your Evernote account.

## **Tampermonkey**

The most popular userscript manager for Blink-based browsers

## **feedly Mini**

The easiest way to add content to your feedly.

## **Proxy SwitchySharp**

Manage and switch between multiple proxies quickly & easily. Based on "Proxy Switchy!" & "SwitchyPlus"

## **Pushbullet**

Bringing together your devices, friends, and the things you care about.

## **RSS Feed Reader**

Get a simple overview of your RSS and Atom feeds in the toolbar

**For Mozilla Firefox : <https://addons.mozilla.org/en-US/firefox/extensions/>**

## **Adblock Plus**

Adblock Plus blocks all annoying ads, and supports websites by not blocking unobtrusive ads by default (configurable).

## **Video DownloadHelper**

The easy way to download and convert Web videos from hundreds of YouTube-like sites.

## **NoScript Security Suite**

The best security you can get in a web browser!

Allow active content to run only from sites you trust, and protect yourself against XSS and Clickjacking attacks.

## **Ghostery**

Protect your privacy. See who's tracking your web browsing and block them with Ghostery.

## **Speed Dial [FVD]**

FVD Speed Dial - Speed dial button, Online Synchronization, New Tab Start Page, Organize bookmarks, Custom backgrounds, custom dials, organized groups, most visited dials.

## **Tab Mix Plus**

Tab Mix Plus enhances Firefox's tab browsing capabilities. It includes such features as duplicating tabs, controlling tab focus, tab clicking options, undo closed tabs and windows, plus much more. It also includes a full-featured session manager.

## **YouTube Video and Audio Downloader**

Downloads YouTube videos in all available formats (FLV, MP4, WebM, and 3GP) with video quality of your choice. It also contains a pure JavaScript library to extract the ORIGINAL audio file embedded in video files.

## **Web Developer**

The Web Developer extension adds various web developer tools to the browser.

## **X-notifier (for Gmail,Hotmail,Yahoo,AOL ...)**

Notifier for gmail, yahoo, hotmail, aol and more webmails.

X-notifier(aka WebMail Notifier) checks your webmail accounts and notifies the number of unread emails...

Supports : gmail, yahoo, hotmail, POP3/IMAP, facebook, twitter and more

## **Web of Trust – WOT**

Find out which websites you can trust. WOT adds intuitive traffic light-style icons next to search results and URLs to help you make informed decisions about whether to visit a site or not.

## **FoxyProxy Standard**

FoxyProxy is an advanced proxy management tool that completely replaces Firefox's limited proxying capabilities. For a simpler tool and less advanced configuration options, please use FoxyProxy Basic.

## **Fastest Search - Browse/Shop Faster!**

Search/browse/shop faster than ever! Ctrl-Shift-F for whole-word/regex/all tabs/diacritic search;create custom engines;shopping assistant compares price;Smart SearchBox;Preview results;Auto copy plain text, dnd save image/open link.

## **DownThemAll!**

The first and only download manager/accelerator built inside Firefox!

## **LastPass Password Manager**

LastPass, an award-winning password manager, saves your passwords and gives you secure access from every computer and mobile device.

## **AutoProxy**

Are you concerned about your privacy? Or, are you blocked from some websites by a firewall? And, are you arming yourself with a proxy? In that case, AutoProxy is designed for you! A tool to help you use your proxy automatically & efficiently.

## **KeeFox**

Simple and secure password management. Login automatically, never forget another password, stay in control of your passwords and improve their security. Powered by the world-renowned KeePass Password Safe.

## **LeechBlock**

LeechBlock is a simple productivity tool designed to block those time-wasting sites that can suck the life out of your working day. All you need to do is specify which sites to block and when to block them.

### 4.1

### PASSWORD CRACKER SOFTWARE

A password cracker software, which is often referred to as a password recovery tool, can be used to crack or recover the password either by removing the original password, after bypassing the data encryption, or by outright discovery of the password. In the process of password cracking, a very common methodology used to crack the user password is to repeatedly make guesses for the probable password and perhaps finally hitting on the correct one. It cannot be denied that whenever we are referring to cyber security, passwords are the most vulnerable security links. On the other hand if the password is too completed, the user might forget it. Password Cracker software are often used by the hackers to crack the password and access a system to manipulate it. Do not unethically use these software for hacking passwords.

In the next section you would be getting familiar with some of the popular Password Cracker tools which are used by hackers for password cracking.

***Click the software names to download the software from their website***

- [Ophcrack](#)
- [Medusa](#)
- [RainbowCrack](#)
- [Wfuzz](#)
- [Brutus](#)
- [L0phtCrack](#)
- [Fgdump](#)
- [THC Hydra](#)

- [John The Ripper](#)
- [Aircrack](#)

- [Cain And Abel](#)
- [IKECrack](#)

## 4.2 WIRELESS HACKING TOOLS

Wireless Hacking Tools are those hacking tools which are used to hack into a wireless network which is usually more susceptible to security threats. One must also ensure that the network is completely secured against hacking or other malwares. The list of wireless hacking tools which would be discussed now can be used to do a Penetration Testing for a Wireless Network. This is an intentional attack on a network to detect security vulnerabilities by accessing its data and functionality.

*Click the software names to download the software from their website*

- [Aircrack-ng](#)
- [Kismet](#)
- [InSSIDer](#)
- [KisMAC](#)
- [Firesheep](#)
- [Airjack](#)
- [KARMA](#)
- [NetStumbler](#)
- [WepLab](#)

#### 4.3 NETWORK SCANNING & HACKING TOOLS

*Click the software names to download the software from their website*

## Nmap

Nmap or Network Mapper is a free open source utility tool for network discovery and security auditing solution for you. It is a flexible, powerful, portable and easy-to-use tool that is supported by most of the operating systems like Linux, Windows, Solaris, Mac OS and others.

## [SuperScan](#)

It is an multi-functional application that is designed for scanning TPC port. This is also a pinger and address resolver. It also has useful features like ping, traceroute, WhoIs and HTTP request. There is no need of installation as it is a portable application.

## [Angry IP Scanner](#)

It is a fast port and IP address scanner. It is a lightweight and cross-platform application that has the capacity to scan the IP addresses in any range and also in their ports. It simply pings each IP address.

### **4.4 PACKET CRAFTING TO EXPLOIT FIREWALL WEAKNESSES**

Through Packet crafting technique, an attacker capitalizes your firewall's vulnerabilities. Here are some packet crafting tools.

*[\*\*Click the software names to download the software from their website\*\*](#)*

- [Hping](#)
- [Scapy](#)
- [Netcat](#)
- [Yersinia](#)
- [Nemesis](#)
- [Socat](#)

#### 4.5 TRAFFIC MONITORING FOR NETWORK RELATED HACKING

These tools allow users to monitor the websites one's children or employees are viewing. Here's a list of some of these tools.

*Click the software names to download the software from their website*

## [Splunk](#)

If you want to convert your data into powerful insights Splunk tools are the best options for you. The Splunk tools are the leading platforms for operational intelligence. It can collect any type of data from any machine in real time.

## Nagios

Nagios is the name for the industry standard in monitoring IT infrastructure. The Nagios tools helps you monitor your entire IT infrastructure and have the capability to detect problems well ahead they occur. It can also detect security breaches and share data availability with stakeholders.

## P0f

It is versatile passive tool that is used for OS fingerprinting. This passive tool works well in both Linux and Windows operating systems. It has the capability to detect the hooking up of the remote system whether it is Ethernet, DSL or OC3.

## [Ngrep](#)

Ngrep or network grep is a pcap-aware tool that allows you to extend hexadecimal or regular expressions in order to match it against the data loads of the packet. It can recognize IPv4/6, UDP, TCP, Ethernet, SLIP, PPP, FDDI and many others.

These tools help capture and analyze incoming traffic on your website. Some of the popular ones are listed below.

*Click the software names to download the software from their website*

- [Wireshark](#)
- [Tcpdump](#)
- [Ettercap](#)
- [Dsniff](#)
- [EtherApe](#)
- [Paros](#)

- [Fiddler](#)
- [Ratproxy](#)
- [Sslstrip](#)

#### 4.7

#### ROOTKIT DETECTORS TO HACK FILE SYSTEM

This is a directory and file integrity checker. It checks the veracity of files and notifies the user if there's an issue.

*Click the software names to download the software from their website*

- [AIDE \(Advanced Intrusion Detection Environment\)](#)
- [Netfilter](#)
- [PF: OpenBSD Packet Filter](#)

#### 4.8

#### FUZZERS TO SEARCH VULNERABILITIES

Fuzzing is a term used by hackers for searching a computer system's security vulnerabilities. Here is a list of a few:

*Click the software names to download the software from their website*

- [Skipfish](#)
- [Wfuzz](#)
- [Wapiti](#)
- [W3af](#)

## 4.9 FORENSICS

These tools are used for computer forensics, especially to sniff out any trace of evidence existing in a particular computer system. Here are some of the most popular.

*Click the software names to download the software from their website*

## Sleuth Kit

It is an open source digital intervention or forensic tool kit. It runs on varied operating systems including Windows, Linux, OS X and many other Unix systems. It can be used for analyzing disk images along with in-depth analysis of file system like FAT, Ext3, HFS+, UFS and NTFS.

## [Helix](#)

This is a Linux based incident response system. It is also used in system investigation and analysis along with data recovery and security auditing. The most recent version of this tool is based on Ubuntu that promises ease of use and stability.

## [Maltego](#)

It is an open source forensic and intelligence application. It can be used for gathering information in all phases of security related work. It saves you time and money by performing the task on time in smarter way.

## Encase

Encase is the fastest and most comprehensive network forensic solution available in the market. It is created following the global standard of forensic investigation software. It has the capability of quickly gathering data from wide variety of devices.

### **4.10 DEBUGGERS TO HACK RUNNING PROGRAMS**

These tools are utilized for reverse engineering binary files for writing exploits and analyzing malware.

***Click the software names to download the software from their website***

- [GDB](#)
- [Immunity Debugger](#)
- [Netcat](#)
- [Traceroute](#)
- [Ping.eu](#)
- [Dig](#)
- [CURL](#)

There are numerous professionals who aspire to have a career as ethical hackers. Hacking is not an easy task as it requires great insight about technology and programing. There are specific operating systems as well that are specially designed for the hackers to use. These operating systems have preloaded tools and technologies that hackers can utilize to hack. This article offers a detailed overview of various operating systems that are built keeping hacking in mind. All these operating systems are unique from each other and have proved to be a great resource for the hackers around the world.

***Click the software names to download the software from their website***

## Backtrack 5r3

This operating system is built keeping the most savvy security personnel in mind as audience. This is also a useful tool even for the early newcomers in the information security field. It offers quick and easy way to find and also update the largest database available for the security tools collection till date.

## Kali Linux

This is a creation of the makers of BackTrack. This is regarded as the most versatile and advanced penetration testing distribution ever created. The documentation of the software is built in an easy format to make it the most user friendly. It is one of the must-have tools for ethical hackers that is making a buzz in the market.

## SELinux

Security Enhanced Linux or SELinux is an upstream repository that is used for various userland tools and libraries. There are various capabilities like policy compilation, policy management and policy development which are incorporated in this utility tool along with SELinux services and utilities. The user can get the software as a tested release or from the development repository.

## [Knoppix](#)

The website of Knoppix offers a free open source live Linux CD. The CD and DVD that is available contain the latest and recent updated Linux software along with desktop environments. This is one of the best tools for the beginners and includes programs like OpenOffice.org, Mozilla, Konqueror, Apache, MySQL and PHP.

## [BackBox Linux](#)

It is a Linux distribution that is based on Ubuntu. If you want to perform security assessment and penetration tests, this software is the one that you should have in your repository. It proactively protects the IT infrastructure. It has the capability to simplify the complexity of your IT infrastructure with ease as well.

## [Pentoo](#)

It is security focused live CD that is created based on Gentoo. It has a large number of customized tools and kernels including a hardened kernel consisting of aufs patches. It can backport Wi-Fi stack from the latest kernel release that is stable as well. There are development tools in Pentoo that have Cuda/OPENCL cracking.

## [Matriux Krypton](#)

If you are looking for a distro to be used in penetration testing and cyber forensic investigation, then Matriux Krypton is the name that you can trust. This is a Debian based GNU/Linux security distribution. It has more than 340 powerful tools for penetration testing and forensics; additionally, it contains custom kernel 3.9.4.

## [NodeZero](#)

This is regarded as the specialist tool that is specifically designed for security auditing and penetration testing. It is a reliable, stable and powerful tool to be used for this purpose and is based on the current Ubuntu Linux distribution. It is a free and open source system that you can download from the website.

## [Blackbuntu](#)

It is free and open source penetration testing distribution available over the internet. It is based on Ubuntu 10.10, which is designed specifically for the information security training students and professional. It is fast and stable yet a powerful tool that works perfectly for you. This software is a recommendation from most of the users.

## [Blackbuntu](#)

It is free and open source penetration testing distribution available over the internet. It is based on Ubuntu 10.10, which is designed specifically for information security, training students and professionals. It is fast and stable, yet a powerful tool that works perfectly for you. This software is a recommendation from most of the users.

## [Samurai Web Testing Framework](#)

It is a live Linux environment that is designed in such a way that it functions as a web-pen testing environment. The software CD contains tools and programs that are open source and free. The tool selection is based on the ones that the company themselves use for security of their IT infrastructure.

## WEAKERTH4N

It's a great pentesting distro comprising of some innovative pentesting tools. The software uses Fluxbox and is built using Debian Squeeze. One of it's popular features is its ability to hack old Android based systems.

## **CAINE (Computer Aided Investigative Environment)**

It is an Italian GNU/Linux live distribution list that was created as project of Digital Forensic. It offers a complete forensic environment. This environment is organized in such a way that it integrates the existing software tools and software module, and finally throws the result in the form of friendly graphical interface.

## [Bugtraq](#)

It is one of the most stable and comprehensive distributions. It offers stable and optimal functionalities with stable manager in real-time. It is based upon 3.2 and 3.4 kernel Generic that is available in both 32 and 64 Bits. Bugtraq has a wide range of tools in various branches of the kernel. The features of the distribution vary as per your desktop environment

## DEFT

DEFT is a distribution that is created for computer forensics. It can run in live stream on the system without corrupting the device. The system is based on GNU/Linux and the user can run this live using CD/DVD or USB pendrive. DEFT is now paired with DART, which is a forensic system.

## [Helix](#)

There are various versions of Helix released by e-fense that are useful for both home and business use. The Helix3 Enterprise is a cyber-security solution offered by this organization that provides incident response. It throws live response and acquires volatile data. Helix3 Pro is the newest version in the block of Helix family products.

Times are changing and spying has become a common phenomenon everywhere. There have been increasing instances where even the governments have been found to be spying on their citizens from time to time. This is one of the prime reasons why the importance of Encryption has increased manifold. Encryption tools are very important because they keep the data safe by encrypting it so that even if someone accesses the data, they can't get through the data unless they know how to decrypt the data. These tools use algorithm schemes to encode the data to prevent unauthorized access to the encrypted data.

Some of the popular Encryption Tools will be listed below:

***Click the software names to download the software from their website***

## TrueCrypt

TrueCrypt is open source encryption tool which can encrypt a partition in the Windows environment (except Windows 8); it's equipped for creating a virtual encrypted disk in a file. Moreover, it has the capability to encrypt the complete storage device. TrueCrypt can run on different operating systems like Linux, Microsoft Windows and OSX. TrueCrypt stores the encryption keys in the RAM of the computer.

## [OpenSSH](#)

OpenSSH is the short name for Open Secure Shell and is a free software suite which is used to make your network connections secured. It uses the SSH protocol to provide encrypted communication sessions in a computer network. It was designed originally as an alternative to the Secure Shell Software developed by SSH Communications Security. The tool was designed as a part of the OpenBSD project.

## PuTTY

It an open source encryption tool available on both UNIX and Windows operating system. It is a free implementation of SSH (Secure Shell) and Telnet for both Windows as well as UNIX. The beauty of this tool is that it supports many network protocols like Telnet, SCP, rlogin, SSH and raw socket connection. The word PuTTY has no specific meaning, however as in UNIX tradition, tty is a terminal name.

## [OpenSSL](#)

OpenSSL is an open source encryption tool which implements the TLS and SSL protocols. OpenSSL's core library is written in the C programming language. The fundamental cryptographic functions are implemented by it. OpenSSL versions are available for operating systems like UNIX, Solaris, Linux and Mac OS X. The project was undertaken in 1988 with the objective of inventing free encryption tools for the programs being used on the internet.

## Tor

Tor is a free encryption tool and has the capability to provide online anonymity as well as censorship resistance. Internal traffic is directed through a free network which consists of more than five thousand relays so that the user's actual location can be hidden. It is difficult to track the Internet activities like visiting web sites and instant messages; the most important goal of this tool is to ensure the personal privacy of the users.

## [OpenVPN](#)

It is an open source tool for the implementation of virtual private network techniques so that secured site-to-site or point-to-point connections using routers or bridges are possible, also remote access is possible. OpenVPN offers the users a secured authentication process by using secret keys which are pre-shared.

## [Stunnel](#)

Stunnel is a multi-platform open source tool which is used to ensure that both the clients and the servers get secured encrypted connections. This encryption software can operate on a number of operating system platforms like Windows as well as all operating systems which are UNIX like. Stunnel depends upon a distinct library like SSLeay or OpenSSL to implement the protocols (SSL or TLS)

## [KeePass](#)

KeePass is an open source as well as free password management tool for the Microsoft Windows as well as unofficial ports for operating systems such as iOS, Linux, Android, Mac OS X and Windows Phone. All the usernames, passwords and all other fields are stored by KeePass in a secured encrypted database. This database in turn is protected by a single password.

An Intrusion Detection System is a software application or a device which is equipped to do network or system monitoring activities for any malicious threats and sends reports to the management station. Intrusion detection tools can help in identifying potential threats which can be dangerous for the system or the network.

***Click the software names to download the software from their website***

- [Snort](#)
- [NetCop](#)

#### **4.14            HACKING VULNERABILITY EXPLOITATION TOOLS**

A tool which identifies whether a remote host is vulnerable to a security attack and tries to protect the host by providing a shell or other function remotely, is called a Vulnerability Exploitation tool. Here is a list of some popular ones:

*Click the software names to download the software from their website*

- [Metasploit](#)
- [Sqlmap](#)
- [Sqlninja](#)
- [Social Engineer Toolkit](#)
- [NetSparker](#)
- [BeEF](#)
- [Dradis](#)

#### 4.15

#### VULNERABILITY SCANNERS

The scanners which assess the vulnerability of a network or a computer to security attacks are known as Vulnerability Scanners. The tools might function differently, however all of them aim to provide an analysis on how vulnerable the system or a network is. Here is a list of the best ones:

*Click the software names to download the software from their website*

- [Nessus](#)
- [OpenVAS](#)
- [Nipper](#)
- [Secunia PSI](#)
- [Retina](#)
- [QualysGuard](#)
- [Nexpose](#)

#### **4.16 WEB VULNERABILITY SCANNERS**

While vulnerability scanners are meant for your system, the web vulnerability scanners assess the vulnerability of web applications. It identifies the security vulnerabilities that your app might have by conducting various tests.

*Click the software names to download the software from their website*

- [Burp Suite](#)
- [Webscarab](#)
- [Websecurify](#)
- [Nikto](#)
- [W3af](#)

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THANKS FOR READING

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*Jonathan Jones*

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