



Where you see the facilities, we see the flaws ...

# HACKTRAILS

A workshop on Ethical Hacking & Information Security



## PRIVILEGES

- sudo command - run command as root
- sudo -s - open a root shell
- sudo -u user - open a shell as user
- sudo -k - forget sudo passwords
- gksudo command - visual sudo dialog (GNOME)
- kdesudo command - visual sudo dialog (KDE)
- sudo visudo - edit /etc/sudoers
- gksudo nautilus - root file manager (GNOME)
- kdesudo konqueror - root file manager (KDE)
- passwd - change your password

## DISPLAY

- sudo /etc/init.d/gdm restart - restart X and return to login (GNOME)
- sudo /etc/init.d/kdm restart - restart X and return to login (KDE)
- (file) /etc/X11/xorg.conf - display configuration
- sudo dexconf - reset xorg.conf configuration
- Ctrl+Alt+Bksp - restart X display if frozen
- Ctrl+Alt+FN - switch to tty N
- Ctrl+Alt+F7 - switch back to X display

## SYSTEM SERVICES

(Prefix commands with sudo to run)

- start service - start job service (Upstart)
- stop service - stop job service (Upstart)
- status service - check if service is running (Upstart)
- /etc/init.d/service start - start service (SysV)
- /etc/init.d/service stop - stop service (SysV)
- /etc/init.d/service status - check service (SysV)
- /etc/init.d/service restart - restart service (SysV)
- runlevel - get current runlevel

## APPLICATION NAMES

- nautilus - file manager (GNOME)
- dolphin - file manager (KDE)
- konqueror - web browser (KDE)
- kate - text editor (KDE)
- gedit - text editor (GNOME)

## NETWORK

- ifconfig - show network information
- iwconfig - show wireless information
- sudo iwlist scan - scan for wireless networks
- sudo /etc/init.d/networking restart - restart network for manual configurations
- (file) /etc/network/interfaces - configuration
- ifup interface - bring interface up
- ifdown interface - disable interface

## SPECIAL PACKAGES

- ubuntu-desktop - standard Ubuntu desktop
- kubuntu-desktop - KDE desktop
- xubuntu-desktop - XFCE desktop
- ubuntu-minimal - core Ubuntu utilities
- ubuntu-standard - standard Ubuntu desktop
- ubuntu-restricted-extras - non-free software
- kubuntu-restricted-extras - KDE desktop
- xubuntu-restricted-extras - XFCE desktop
- build-essential - packages used to build programs
- linux-image-generic - latest generic kernel image
- linux-headers-generic - latest kernel headers

## FIREWALL

(Prefix commands with sudo to run)

- ufw enable - turn on the firewall
- ufw disable - turn off the firewall
- ufw default allow - allow all connections
- ufw default deny - drop all connections
- ufw status - current status and rules
- ufw allow port - allow traffic on port
- ufw deny port - block port
- ufw deny from ip - block ip address

## PACKAGE MANAGEMENT

(Prefix commands with sudo to run)

- apt-get update - refresh available packages
- apt-get upgrade - upgrade all packages
- apt-get dist-upgrade - upgrade with replacements; upgrade Ubuntu version
- apt-get install pkg - install package
- apt-get purge pkg - uninstall package
- apt-get autoremove - remove obsolete packages
- apt-get -f install - try to fix broken packages
- dpkg --configure -a - try to fix broken packages
- dpkg -i pkg.deb - install file package (file) /etc/apt/sources.list - Apt list

## SYSTEM

- Recovery - Type the phrase "REISU" holding down Alt and SysRq (Print about 1 second between each letter) will reboot.
- lsb\_release -a - get Ubuntu version
- uname -r - get kernel version
- uname -a - get all kernel information



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**Workshops are successfully conducted at following centers between September 2009 to May 2011**

- HackTrack at IG Office,Rajkot Police Dates: 18th & 19th December,2009
- DAIICT,Gandhinagar- Dates- 30th & 31st January,2010
- Petroleum University,Gandhinagar - Dates- 16th & 17th January,2010
- Cohin Univeristy of Science & Technology,Cochin- Dates: 21st & 22nd January,2010
- Innovision '10 , NSIT,Delhi Date: 29th January,2010
- Indian Oil Corporation Ltd,Ahmedabad Date: 2nd Februaray,2010
- National Institute of Technology, Rourkela Date: 6th February,2010
- KIIT University,Bhubaneshwar Dates: 8th-10th February,2010
- Indian Institute of Technology,Gandhinagar.Dates- 13th & 14th February,2010
- LNM IIT,Jaipur Dates: 20th & 21st February,2010
- SRM University,Chennai Dates: 27th & 28th February,2010
- National Institute of Technology, Durgapur Dates:6th & 7th March,2010
- Amity University,Noida Dates: 8th & 9th March,2010
- Indian Institute of Technology,Guwahati Dates:11th-12th March,2010
- Indian Institute of Technology,Delhi Date:13th March,2010
- National Institute of Technology,Bhopal Dates: 14th & 15th February,2010
- Pondicherry University,Pondicherry Dates:16th & 17th March,2010
- Nirma University Date:19th March,2010



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- **Delhradun Institute of Technology,Dehradun Dates: 20th-21st March,2010**
- **SVMIT,Bharuch Dates:22nd-23rd March,2010**
- **College of Engineering Main Campus, Anna University Dates: 24th-25th March,2010**
- **Shri Balaji College of Engineering & Technology,Jaipur- Dates: 26th & 27th March,2010**
- **Hindusthan College of Engineering & Technology,Coimbatore Dates: 30th-31st March,2010**
- **CVR College of Engineering,Hyderabad Dates: 1st-2nd April,2010**
- **HackIT 2010 at Government College of Engineering & Ceramic Technology Dates:3rd-4th April,2010**
- **Engineering College,Bikaner Dates:7th-8th April,2010**
- **BVM College of Engineering,Vallabh VidyaNagar,Gujarat Date:9th April,2010**
- **Mody Institute of Technology & Science,Lakshmangath,Jaipur Dates:10th-11th April,2010**
- **Hitkarini College of Engineering & Technology,Jabalpur Dates:19th & 20th April,2010**
- **BSAITM,Faridabad Dates:23rd & 24th April,2010**
- **HackTrack at Rajasthan Institute of Engineering & Technology,Jaipur Dates:25th-26th April,2010**
- **ITSEC 2010 at Mauritius,Dates: 26th to30th April,2010**
- **SRM University, Chennai.Dates:1st & 2nd September,2010.**
- **Delhi Technological University.Dates:4th & 5th September,2010.**
- **Gurgaon Institute of Technology & Management.Dates:11th & 12th September,2010.**



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- Indus Institute of Engineering & Technology, Jind, Harayana. Dates: 11th & 12th September, 2010.
- College of Engineering, Cherthala, Kerala. Dates: 14th & 15th September, 2010.
- National Institute of Technology, Bhopal. Dates: 18th & 19th September, 2010.
- Thakur Engineering College, Mumbai. Dates: 18th & 19th September, 2010.
- Manavrachna University, Faridabad. Dates: 20th & 21st September, 2010.
- Dronacharya College of Engineering. Dates: 22nd & 23rd September, 2010.
- National Institute of Technology, Allahabad, Dates: 26th & 27th September, 2010.
- Shri Balwant Institute of Technology, Sonapat, Haryana, Dates: 29th & 30th September, 2010.
- The LNM Institute of Technology, Jaipur, Dates: 2nd & 3rd October, 2010.
- The Institution of Engineers Auditorium, Nr Law Garden, Ahmedabad, Dates: 6th & 7th October, 2010.
- Chitkara University, Patiala. Dates: 9th & 10th October, 2010.
- Medi-Caps Institute of Technology. Dates: 11th & 12th October, 2010.
- Thapar University, Patiala. Dates: 16th & 17th October, 2010.
- Tezpur University, Assam. Dates: 22nd & 23rd October, 2010.
- Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad. Dates: 19th & 20th October, 2010.
- National Institute of Technology, Surathkal, Karnataka. Dates: 24th & 25th October, 2010.
- Amity University. Noida, Dates: 30th & 31st October, 2010.



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- **DRIEMS,Cuttack,Orissa. Dates: 7th & 8th November,2010.**
- **National Institute of Technology,Agartala. Dates: 12th & 13th November,2010.**
- **SS College of Engineering,Udaipur.Dates:15th & 16th November,2010**
- **Indian Institute of Technology,Bombay.Dates:6th & 7th January,2011.**
- **ITM,Gurgaon.Dates:22nd & 23rd January,2011.**
- **UCOE,Punjabi University,Patiala.Dates:24th & 25th January,2011.**
- **IGIT,New Delhi.Dates:29th & 30th January,2011.**
- **KIIT University,Bhubneshwar.Dates:5-7th February,2011**
- **VMKV Engineering College,Salem,Tamilnadu.Dates:8th & 9th February,2011**
- **Nirma University,Ahmedabad.Dates:11th & 12th February,2011**
- **HBTI,Kanpur.Dates:15th & 16th February,2011**
- **M S RAMAIAH Institute of Technology, Bangalore.Dates:17th & 18th February,2011**
- **Dehradun Institute of Technology, Dehradun.Dates:19th & 20th February,2011**
- **Late Ramotidevi College of Engineering,Ujjain.Dates:23rd & 24th February,2011**
- **Jyothi Engineering College,Thrissur,Kerala.Dates:24th & 25th February,2011**
- **Indian Institute of Technology,Delhi.Dates:24th & 25th February,2011**
- **Cochin University of Science & Technology.Dates:26th & 27th February,2011**
- **Nalla Malla Reddy Engineering College,Hyderabad.Dates:28th February & 1st March,2011**
- **S.N. Medical College Auditorium, Jodhpur.Dates:28th February & 1st March,2011**



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- S.P. Medical College Auditorium, Bikaner. Dates: 2nd & 3rd March, 2011
- Dharamsinh Desai University, Nadiad, Guj. Dates: 4th & 5th March, 2011
- SSK College of Engineering & Technology, Coimbatore. Dates: 4th & 5th March, 2011
- SIMS, Indore. Dates: 7th & 8th March, 2011
- Shankara Institute of Technology, Jaipur on 9th and 10th of March
- OPJIT, Raigarh, Chattisgarh. Dates: 9th & 10th March, 2011
- Amity University, Lucknow, Uttar Pradesh. Dates: 8th, 9th & 10th March, 2011
- National Institute of Technology, Bhopal. Dates: 12th & 13th March, 2011
- KITS, Warangal. Dates: 12th & 13th March, 2011
- Jawaharlal Nehru Technological University, Hyderabad--15th and 16th March 2011.
- Godavari Institute of Engineering and Technology, Andhra Pradesh. Dates: 17th and 18th March 2011.
- IIT, Gandhinagar. Dates: 19th & 20th March, 2011
- INNOVISION 2011, NSIT, New Delhi. Dates: 26th & 27th March, 2011
- iTrix 2011, College of Engineering, Guindy, Anna University. Dates: 29th March 2011.
- SJBIT, Bangalore Dates: 4th & 5th April, 2011.
- Apex College of Technology, Bhubnashwer Dates: 19th & 20th April, 2011.
- SBMJCE, Jain University, Bangalore, Dates: 23rd & 24th April, 2011.
- SBMJCE, Jain University, Bangalore, Dates: 23rd & 24th April, 2011.
- Aditya Collge of Science & Technolgy, Satna, MP, Dates: 26th & 27th April, 2011.



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- **Chitkara University, Himachal Pradesh, Dates: 30th April & 1st May, 2011.**



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