



Breaking Windows

Duration /Units: 2 Hours / Unit

Course Aims:

This course is designed to illustrate the hacking attempt in order to break the Administrative User Account Security in the Microsoft's™ Windows® Operating Systems. (Inclusive: MS™-Vista®)

The main objective behind this course is to demonstrate the Vulnerable Security Issues in the commonly used Operating Systems and an introduction of, the **Data Protection Law in India (Under Information Technology Act, 2000, India)** which will be safe guard option to look forward from Cyber Crime Perspective.

Who Should Attend:

Forensic Teams, Cyber Security Professionals, Students, Corporate Authorities/ Managers who are responsible for ensuring compliance with the System/Machine Security and other privacy maintenance.

Pre-Requisites: None

Brief Syllabus:

The major focused areas during this course will be

- User Account Management –
- Windows® Registry –
 - The registry also maintains the settings for all the hardware, operating system software, most non-operating system software, and per-user settings.
- SAM File –
 - NT based operating systems stores encrypted versions of the passwords, in a file called 'SAM'.
 - Usually found in “\windows\system32\config”.
 - This file is a part of the registry, in a binary format previously undocumented, and not easily accessible.
- Information Technology Act, 2000. –
 - The introduction to the legal judgments needs to be considered against the stealing/ destroying passwords, destructive approach towards computer security/ privacy.

Learning Outcomes:

The outcomes of this course will be:

- Security of Windows® Operating Systems – An Overview
- Better understanding of User Level Account security in Windows® OS
- Vulnerable double layered dependency in MS™-Windows® OS
- Introduction of Information Act, 2000, India

Course Style:

The concept of BREAKING WINDOWS will be LIVE demonstrated by breaking the Administrator account security under the Windows® Operating Systems.