

## Methodology

## Footprinting techniques:

- Footprinting through search engines
- Footprinting through web services
- Footprinting through social networking sites
- Website footprinting
- Email footprinting
- Competitive intelligence
- Whois footprinting
- DNS footprinting
- Network footprinting
- Footprinting through social engineering

Footprinting
Footprinting through Search
Engines

## Footprint Using Advanced Google Hacking Techniques



Google hacking refers to the use of advanced Google search operators for creating complex search queries in order to extract sensitive or hidden information that helps attackers to find vulnerable targets

## Google supports several advanced operators that help in modifying the search



- Social engineering is an art of exploiting human behaviour to extract confidential information
- Social engineers depend on the fact that people are unaware of their valuable information and are careless about protecting it



Pootprinting Countermeasures (Contd)

Develop and enforce security policies to regulate the information that employees can reveal to third parties

Set apart internal and external DNS or use split DNS, and restrict zone transfer to authorized servers

Disable directory listings in the web servers

Conduct periodically security awareness training to educate employees about various social engineering tricks and risks

Opt for privacy services on Whois Lookup database

Avoid domain-level cross-linking for the critical assets

Encrypt and password protect sensitive information