

# **Spyware & Anti-spyware**

- **PART 1: SPYWARE**
- **PART 2: STATISTICS**
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- **PART 4: SPYWARE INVADES YOUR PRIVACY**

- **PART 5: ANTI-SPYWARE PROGRAMS**
- **PART 6: HOW DOES ANTI-SPYWARE SOFTWARE WORK**
- **PART 7: FOLLOW THESE RULES**

# PART 1

## ■ SPYWARE

# Spyware [1]

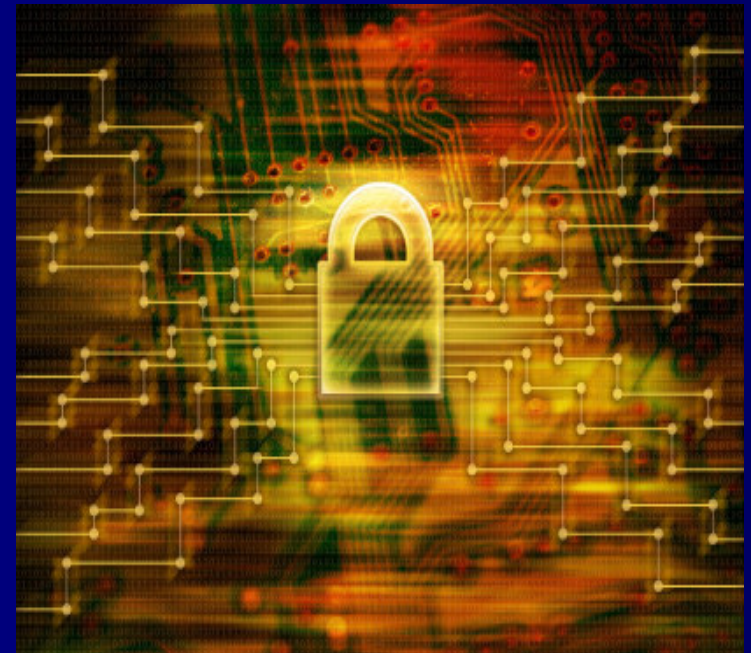
**Do you know what a spyware is ?**

- Spyware is any software that gathers user information through the user's Internet connection without his or her knowledge.



# Spyware [2]

- Spyware applications typically exist as a hidden component of freeware or shareware programs that can be downloaded from the Internet.



# Spyware [3]

- Spyware watches user activity on the Internet and transfers that information in the background to someone else.

# PART 2

## ■ STATISTICS



# STATISTICS [1]



# STATISTICS [2]

## Global Rates of Spyware

Highest Number of Spyware per 1,000 PCs Scanned by Country

Q2 2006 Rank	Country	Quantity
1	Puerto Rico	42.6
2	Algeria	38.4
3	Bahrain	35.7
4	Dominican Republic	35.1
5	Trinidad & Tobago	33.8

# STATISTICS [3]

## European Rates of Spyware

Highest Number of Spyware per 1,000 PCs Scanned in Europe

Q2 2006 Rank	Country	Quantity
1	United Kingdom	30.5
2	Ireland	30.3
3	Lithuania	29.3
4	Latvia	26.5
5	Norway	26.1

# STATISTICS [4]

## Asia Pacific Rates of Spyware

Highest Number of Spyware per 1,000 PCs Scanned in Asia Pacific

Q2 2006 Rank	Country	Quantity
1	Singapore	31.5
2	Australia	25.6
3	New Zealand	25.3
4	Thailand	22.7
5	Hong Kong	22.4

# Adware

Adware is.....

a form of spyware that collects information about the user in order to display advertisements in the web browser.



# PART 2

- **HOW DOES SPYWARE WORK**

# How does spyware work [1]

- Spyware hide itself in the background of your computer, monitors which websites you visit, and then sends a report about your activities.



# How does spyware work [2]

- At first, the spyware takes the control of your computer. Most of the times, you get spyware by downloading a free program or clicking a pop-up ad.



# How does spyware work [3]

- When you install the program you've chosen, spyware is installed as well, without your knowledge.



# How does spyware work [4]

- It watches your internet activities and tracks every address you visit.



# How does spyware work [5]

- Spyware runs whenever you turn on your computer. Even when the program which it uses to invade to your computer is not running it is spying.



# How does spyware work [6]

- At regular intervals, the spyware phones home, reporting to the spyware website which sites you've visited.

# How does spyware work [7]

- The ads appear whenever you run the program in which the spyware is hidden and is using this program to enter your computer.

# How does spyware work [8]

- When the program is deleted, spyware typically does not get deleted.



# How does spyware work [9]

- It keeps watching you, although it can't deliver ads based on that information because the program has been deleted.

# How does spyware work [10]

- To delete the spyware, you need a special spyware detector and killer.





# PART 3

- **SPYWARE INVADES YOUR PRIVACY**

# Spyware invades your privacy [1]

- All information you enter via the web can be intercepted.



# Spyware invades your privacy [2]

- Unauthorized sites can add themselves to your desktop.



# Spyware invades your privacy [3]

- Unauthorized sites can add themselves to your internet favourites.



# Spyware invades your privacy [4]

- Your surfing activity can be tracked and monitored.



# Spyware invades your privacy [5]

- Your personal information can be sold to others without your knowledge or consent.





# Spyware invades your privacy [6]

- Your default homepage and settings can be hijacked so you can't change them.

```
StructureTransaction = new StructureTransaction
RegisterAssistanceBD = $this->startRegisterAssistanceBD($idBenefit);
$result = $RegisterAssistanceBD->do($idBenefit);
if($result) {
    $StructureTransaction = new StructureTransaction();
    function
    tDataAssistance($idBenefit, $nSubsidized, $nSystemUserPercentage, $objs) {
        $DataAssistance = new
        DataAssistance($idBenefit, $nSubsidized, $nSystemUserPercentage, $objs);
        return $DataAssistance;
    }
    function RecoverDataAssistance($idBenefit, $sBank) {
        $DataAssistanceBD = $this->startDataAssistanceBD($sBank);
        $DataAssistance = $DataAssistanceBD->Recover($idBenefit);
        return $DataAssistance;
    }
    function RecoverAllDataAssistance($sBank) {
        $DataAssistanceBD = $this->startDataAssistanceBD($sBank);
        $DataAssistanceBD->RecoverAll();
        $voObject = array();
        $voObject = $DataAssistanceBD->RecoverAll();
        return $voObject;
    }
    function actualDataAssistance($idBenefit, $sBank) {
        $DataAssistanceBD = $this->startDataAssistanceBD($sBank);
        $DataAssistanceBD->actual($idBenefit);
        return $DataAssistanceBD->actual($idBenefit);
    }
    function actualDataAssistance($idBenefit, $sBank) {
        $DataAssistanceBD = $this->startDataAssistanceBD($sBank);
        $DataAssistanceBD->actual($idBenefit);
        return $DataAssistanceBD->actual($idBenefit);
    }
}
```

# Spyware invades your privacy [7]

- These dangerous components not only invade your PC so they can not be removed, but fill in your hard drive space and slow down your PC!



# PART 4

- **ANTI-SPYWARE  
PROGRAMS**

# Anti-spyware programs

- Anti-spyware programs are products that are designed to remove or block spyware.

# PART 5

- **HOW DOES ANTI-SPYWARE SOFTWARE WORK**

# How does anti-spyware software work [1]

- Anti-spyware programs can combat spyware in two ways:
  - Real-time protection, which prevents the installation of spyware.
  - Detection and removal, which removes spyware from an infected computer.

# How does anti-spyware software work [2]

- Anti-spyware programs usually find the malicious software and remove it.



# How does anti-spyware software work [3]

- Such programs inspect the contents of the Windows registry, the operating system files, and installed programs, and remove files and entries which are dangerous.

# How does anti-spyware software work [4]

- Real-time protection from spyware works the same as real-time anti-virus protection: the software scans incoming network data and disk files at download time, and blocks the activity of components known to represent spyware.

# How does anti-spyware software work [5]

- In some cases, it may also intercept attempts to install start-up items or to modify browser settings.



# PART 6

- FOLLOW THESE RULES

# Follow these rules [1]:

- **Read the EULA (End User License Agreement)**
- **Protect Your System**



# Follow these rules [2]:

- **Use updated anti-spyware technology**
- **Scan Your System**



# **Follow these rules [3]:**

- **Do Not Install Any ActiveX Controls**
- **Do not visit questionable websites**

# Follow these rules [4]:

- **Be careful where and what you are downloading**
- **Do not use any file sharing (P2P) applications**



# **Follow these rules [5]:**

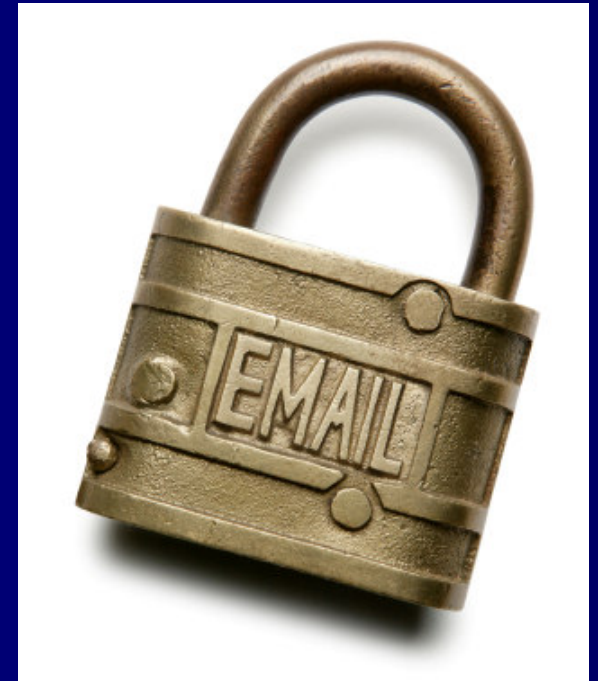
- **Use secure Internet browsers**
- **Educate yourself**

# **Follow these rules [6]:**

- **Use Mac or Linux operational systems to limit spyware**
- **Check for updates daily**

# Follow these rules [7]:

- **DO NOT** open unknown e-mail attachments
- **Read carefully** before you click on links





# **Follow these rules [8]:**

- **Do not allow pop-ups and programs that deliver advertising from sites you don't trust**

**Be careful !**