



Understanding the Different Types of Computer Viruses

TYPES OF VIRUSES




System or Boot Sector Virus

Infects the master boot record or boot sector, disrupting the system's ability to start up.

File and Multipartite Virus

Targets and spreads through both boot sectors and executable files, causing damage on multiple fronts.



Macro and Cluster Virus

Spreads by attaching macros to documents and clustering around file directories, infecting files when accessed.



Stealth/Tunneling Virus

Evades detection by antivirus software by intercepting its calls to the operating system.



Encryption Virus

Encrypts the files on a computer, often demanding a ransom to restore access.

Sparse Infector Virus

Infects files infrequently or under certain conditions to avoid detection.



Polymorphic Virus

This virus changes its code each time it infects, making it hard to detect with traditional signature-based methods.



Metamorphic Virus

Completely rewrites its own code and structure to evade detection, making it very difficult to identify.

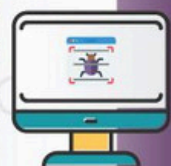


Overwriting File or Cavity Virus

This virus destroys information by overwriting part of the file or finding empty space within files to insert itself without altering the file size.

Companion/Camouflage Virus

This virus creates a new program to run alongside the intended program, misleading the system about which program to execute.





In the realm of cybersecurity, knowing the various types of viruses is crucial for safeguarding your systems. Here's a quick overview of the main types of viruses you might encounter:

- 1. System or Boot Sector Virus:** Infects the master boot record, disrupting your system's startup process. 🚫💻
- 2. File and Multipartite Virus:** Spreads through both boot sectors and executable files, causing widespread damage. 🛠️📁
- 3. Macro and Cluster Virus:** Attaches to documents and clusters around file directories, infecting files when accessed. 📄🔗
- 4. Stealth/Tunneling Virus:** Evades antivirus detection by intercepting system calls. 🕵️🔒
- 5. Encryption Virus:** Encrypts files and demands a ransom to restore access. 🗝️💰
- 6. Sparse Infector Virus:** Infects files sporadically or under specific conditions to avoid detection. 🎯📁
- 7. Polymorphic Virus:** Alters its code with each infection, making it tough to detect with traditional methods. 🔄🔍
- 8. Metamorphic Virus:** Completely rewrites its own code to evade detection, challenging even the best security tools. 🛠️🔍
- 9. Overwriting File or Cavity Virus:** Destroys information by overwriting file parts or inserting itself into empty spaces within files. 🗑️📊
- 10. Companion/Camouflage Virus:** Creates a new program that runs alongside the intended one, misleading the system. 🕵️📄

🔍 **Curious to Learn More?** Dive deeper into the different types of computer viruses and discover how to protect your digital world. Click here to explore more! 💻🛡️

<https://www.infosectrain.com/blog/types-of-viruses/>

Stay informed and protect your systems from these sneaky threats! 💡🔒