

Information Security RAT Report

Project title: RAT creation tool.

RAT:

A Remote Access Trojan (RAT) is a program used by the intruders to take complete control of the victim's computer for the purpose of performing various malicious activities. Unlike viruses and worms, RATs can exist well before detection and even remain after removal. They operate in a stealth mode and are usually rather small so as to avoid detection

Functionalities:

RAT enables administrative control, it makes it possible for the intruder to do just about anything on the targeted computer, including:

- Monitoring user behavior through keyloggers or other spyware.
- Accessing confidential information, such as credit card and social security numbers.
- Activating a system's webcam and recording video.
- Taking screenshots.
- Distributing viruses and other malware.
- Formatting drives.
- Deleting, downloading or altering files and file systems.

Mechanism and working:

A RAT's installation mechanism is usually attached to a legitimate program. RATs are commonly hidden within games or other small programs, as well as in email attachments that users download.

Imposters are able to customize RAT features, such as when and where to launch the Trojan. Intruders eventually trigger the server program on the victim's computer. Then, the RAT runs invisibly on the victim's computer and allows the intruder to gain remote access and control of the infected computer.

Applications:

Computer RAT creation tool will be creating RATs for testing device level security as device level security stands on top of the security hierarchy so via this theoretically we will be able to breach various security layers like 2FA, biometrics, pins and passwords