

Lab 2: Intro to Computer System Security

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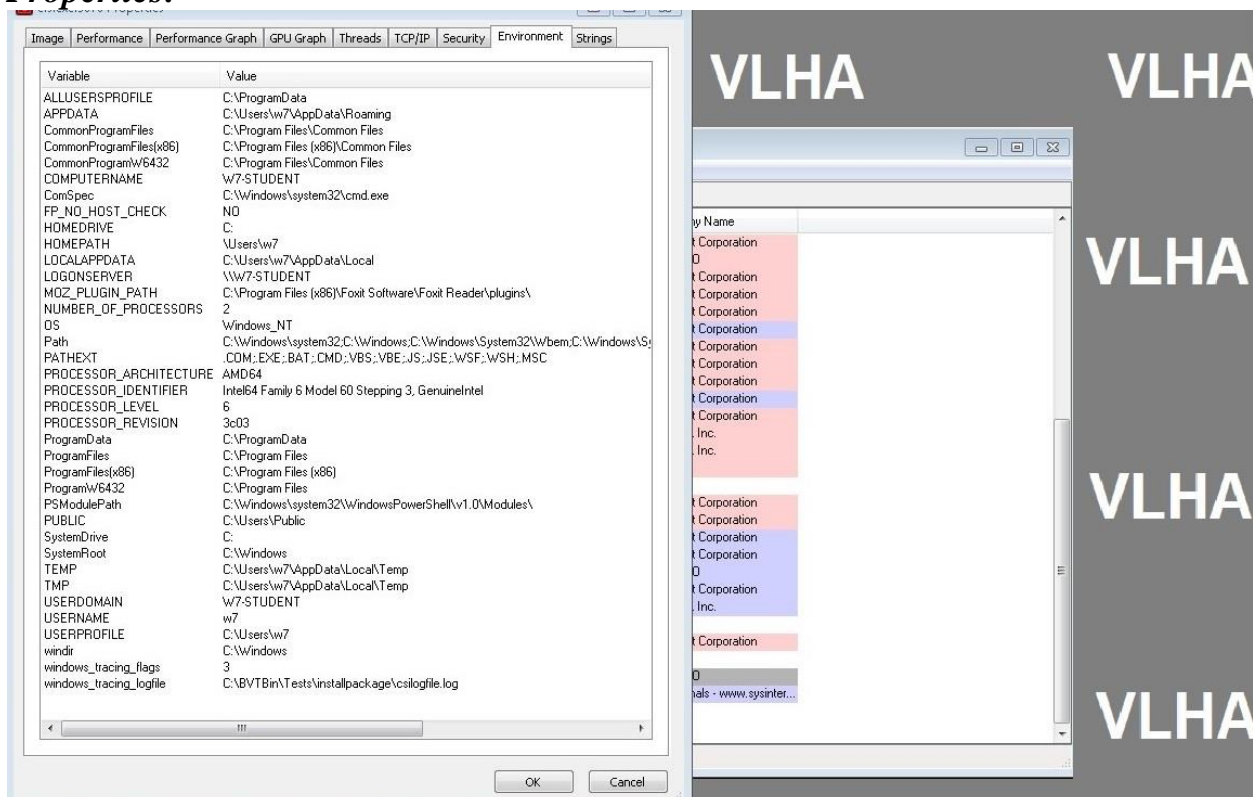
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Part 1: SysInternals

The service that I have decided to choose is smss.exe. SMSS also known as (session manager subsystem) is a system service that runs during the startup process at the boot up of the machine. It is an important program because it protects the computer data from outside world hacker. It is a good use for preforming system variables and opening various processes such as Kiguolis, 2018. The purpose of smss is to stop the function of the system from responding if winlogon.exe (login screen) does not do what it is intended to do.

In case, if it is a virus version of smss.exe, It could cause a problem for us. Our computers will be corrupted with cyber threats.

Properties:



Part 2: Threats, Vulnerabilities and Controls

Guidance	Control	Vulnerability	Threat	Explanation
Protect Sensitive Data	Protect	Vulnerability sensitive data	Unnecessary access to sensitive data.	This will ensure the sensitive data and its information is protected and is only authorized by an authorized personal
Use Desktop Firewall	Protect and regulate Internet connected Computers	Unauthorized personal has access to information of the user across the network.	Vulnerable to possible hackers	Firewalls is a program that prevents unauthorized users from accessing the user's information
Use Secure connections	Secure data	Having illegal access of confidential data	Illegally getting hold of confidential information	A safe internet connection assures that the data shared from one device to another is protected

Part 3: Risks Calculations

Threat	Vulnerability	Likelihood	Potential Impact	ALE
Technical Failure of Hardware	Data loss	20%	\$1500	\$300
Software Attacks	Data Loss	33.3%	\$500	\$165
Theft of Multilayer switch	Loss of router setting	10%	\$3600	\$360