

SPARKOUT OS

- **Haries Palaniappan**
(Developer & Security Engineer)_M.Sc_Dept
- **Satya**
(Researcher)_MBA_Dept
- **Gowtham**
(Business Analyst)_MBA_Dept

TOPICS

- 1. Sparkout OS**
- 2. Sub – Product of Sparkout OS**
- 3. Description About Sub-product
of Sparkout OS**
- 4. Difference Between Stock
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- 5. Testing & Optimization Between
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- 6. Business Motive in Sparkout OS.**

SPARKOUT OS

Sparkout OS is a highly customized Windows 11 based OS on multiple features with sophisticated security .

SECTOR : DEFENSE

CONFIDENTIAL

SUB-PRODUCT OF SPARKOUT OS

- 1. Sparkout OS – Ultra Lite Version**
- 2. Sparkout OS - Lite OS**
- 3. Sparkout OS - Extended Professional Edition (VT-X Disable support)**

DESCRIPTION ABOUT SUB-PRODUCT OF SPARKOUT OS

- Sparkout OS – Ultra Lite Version :**

It is a Purest Ultra lite OS with no preinstall softwares.

- Sparkout OS - Lite OS :**

It is a lite weighted OS with some preinstalled softwares with basic security features.

- Sparkout OS - Extended Professional Edition (VT-X Disable support) :**

It is a heavy weighted OS with many pre installed softwares with sophisticated level security.

Existing System In Windows 11 OS :

EXISTING SYSTEM – PROBLEM DESCRIPTION

1. Windows OS has so many bloatwares and telemetry services. It slows down the entire systems.
2. Windows Defender is a dump.
3. Pre-installed windows apps → Removed.
4. OS not build for target customers.
5. No Pre and Post ransomware protection.

Proposed System In Sparkout OS :

PROPOSED SYSTEM

1. Sparkout OS is a highly optimized windows 11 based security OS. It is also known as Plug and Play OS.
2. No bloatwares and telemetry services are present.
3. Support startup companies softwares.
4. OS is build for target customers.
5. Pre and Post ransomware protection.
6. COMODO Firewall is Configured according to target Customers.
7. Linux is Pre install without any third party software.
8. Potato Computers (12 year Old Laptop) Can Support Sparkout OS .
9. Privacy is Locked with own VPN service without any logs.
10. No User Creation is Required While OS Installation.
11. Ram Management is more Stable and .ovf image versions also Provided.

SPARKOUT OS – INSTALLATION STEPS WITH VIDEO

1. Download and boot this image to USB via Rufus Software.
2. Insert USB and install Sparkout OS normal like other Windows.
3. For Faster installation , i delete account creation module . It shows an error message like this "oobekeyboard".
4. that time press SHIFT + F10 . it prompt cmd in our screen.
5. Type "cd c:\windows\system32\oobe "and hit Enter. Type "msoobe "and hit Enter. wait for 30 sec and restart manually our computer.
6. That's all , installation done in under 15 minutes.

SPARKOUT OS – DOWNLOAD LINKS :

1. **Sparkout OS - Extended Professional Edition :**
https://github.com/Sparkout-OS/Sparkout_OS-Extended-Professional-Edition
2. **Sparkout OS - Extended Professional Edition (Intel VT-X Disabled Version - For Old Laptops) :**
<https://mega.nz/folder/Rp4lTYBJ#VOgqRIYEEilxnv7zGcKN-g>
3. **Sparkout OS - UltraLite OS :**
https://github.com/Sparkout-OS/Sparkout_OS-Ultra-Lite-Edition
4. **Sparkout OS - Vmware / VirtualBox Image :**
https://github.com/Sparkout-OS/Sparkout_OS-Vmware-Virtual-Box-Image

DIFFERENCE BETWEEN STOCK (WINDOWS 11) AND SPARKOUT OS

Windows 11	Sparkout OS
<p>Processor: 1 GHz or faster with two or more cores on a compatible 64-bit processor or system on a chip (SoC).</p>	<p>Processor: 0.5 GHz or faster with one or more cores on a compatible 64-bit processor or system on a chip (SoC).</p>
<ul style="list-style-type: none">• RAM: at least 4 GB• Storage: at least 64 GB of available storage• Virtualization : Intel VT-X should enable.	<ul style="list-style-type: none">• RAM: at least 1.5 GB• Storage: at least 40 GB of available storage• Virtualization : Intel VT-X should (for ubuntu WSL) or shouldn't enable.
<ul style="list-style-type: none">• Security: TPM version 2.0, UEFI firmware, Secure Boot capable• Graphics card: Compatible with DirectX 12 or later, with a WDDM 2.0 driver	<ul style="list-style-type: none">• Security: TPM version 2.0 is not require, UEFI firmware, Secure Boot capable• Graphics card: Compatible with DirectX 12 or later, with a WDDM 2.0 driver
<p>Display: High definition (720p) display, 9" or greater monitor, 8 bits per color channel.</p> <ul style="list-style-type: none">• No Preinstall apps• No Sophisticated firewall and no Utilities tweaks and utility softwares.	<p>Display: High definition (720p) display, 9" or greater monitor, 8 bits per color channel.</p> <ul style="list-style-type: none">• Preinstall apps according to target audience.• Sophisticated firewall and Utilities tweaks and utility softwares.
<ul style="list-style-type: none">• Windows defender is installed.• No performance optimized , it consists of so many bloatwares and telemetry services.• Pre ransomware protection is enable but success rate is 52%.	<ul style="list-style-type: none">• Windows defender is removed.• Performance optimized , it cannot have bloatwares and telemetry services.• Pre and Post ransomware protection is enable but success rate is 100%.

TESTING & OPTIMIZATION BETWEEN STOCK (WINDOWS 11) AND SPARKOUT OS

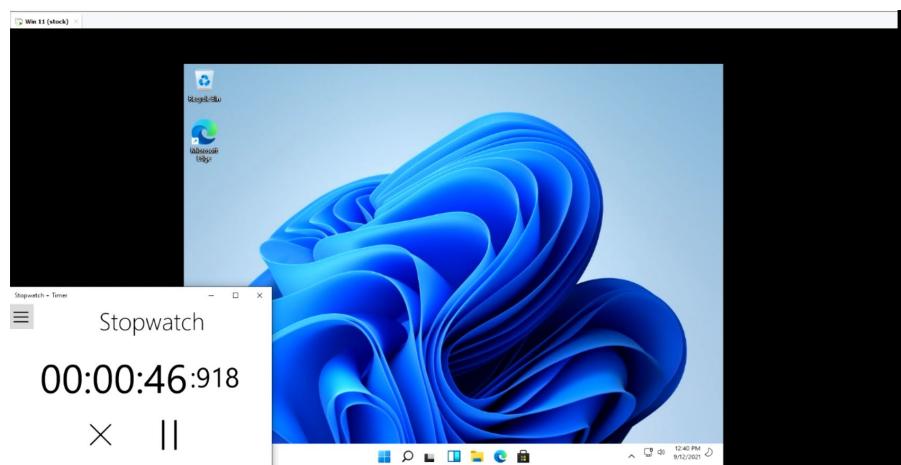
WINDOWS 11 – Stock OS

(Testing Environment Specification)
[Ram – 3GB; Harddisk – 50GB; Graphics – 128MB;
Intel VT- Enabled; 2 Core Processor]

OS INSTALLATION TIME : 37 Minutes 14 Seconds



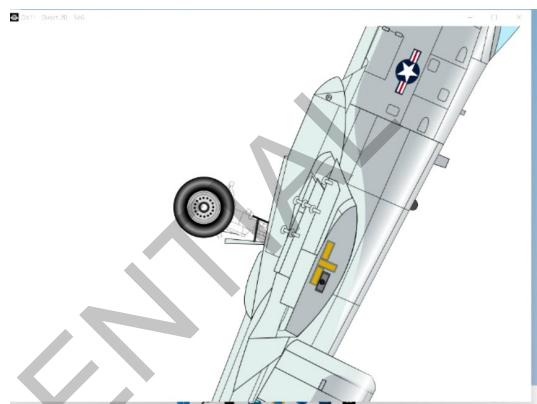
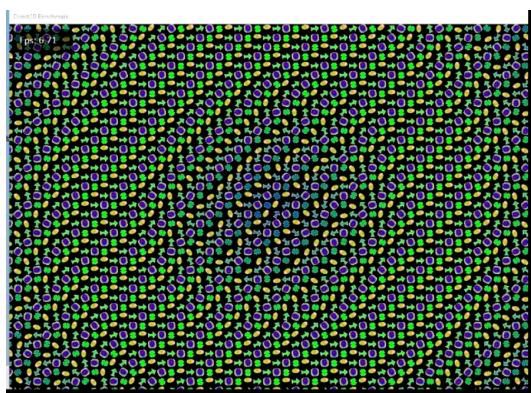
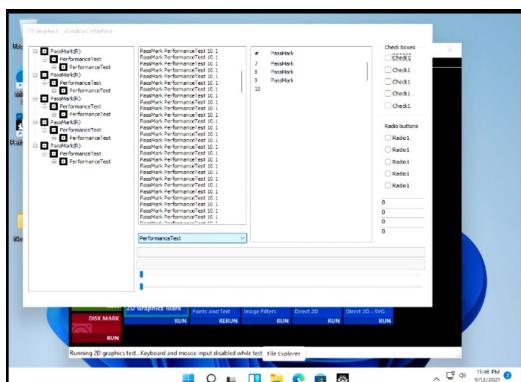
OS BOOTING TIME : 46 Seconds



CPU MARK TEST



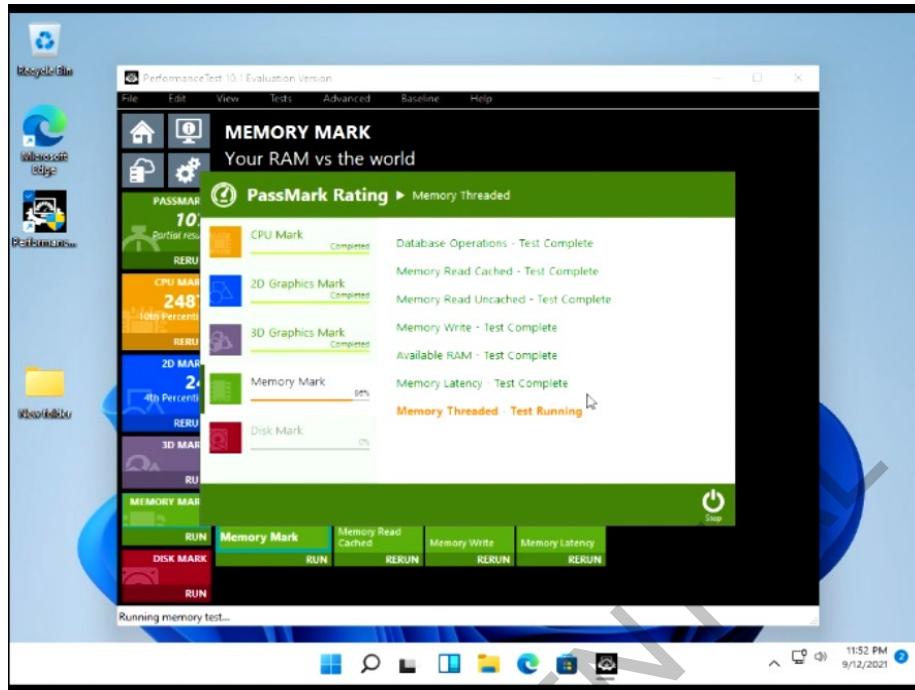
2D Graphics Test :



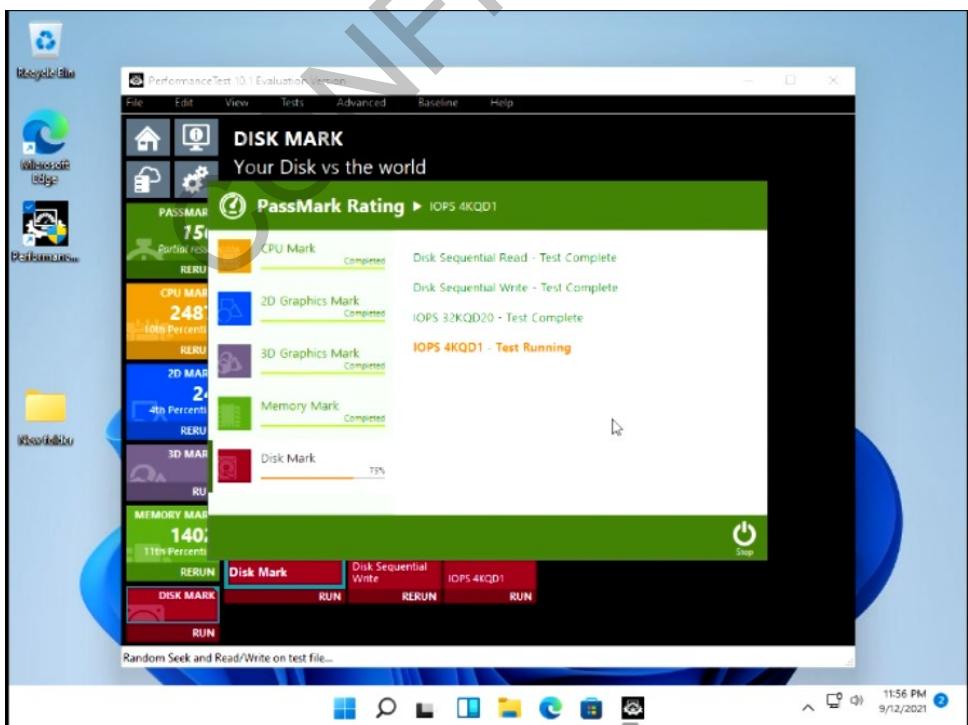
3D Graphics Test :



Memory Mark Test :



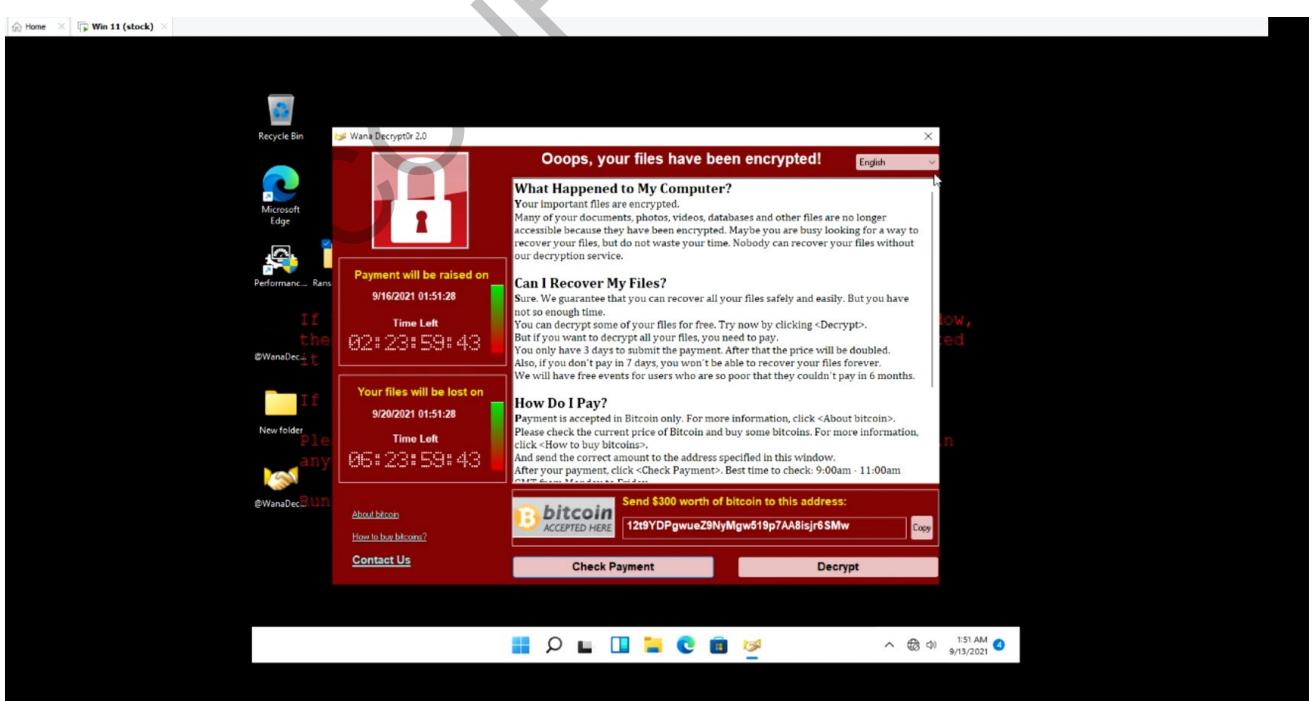
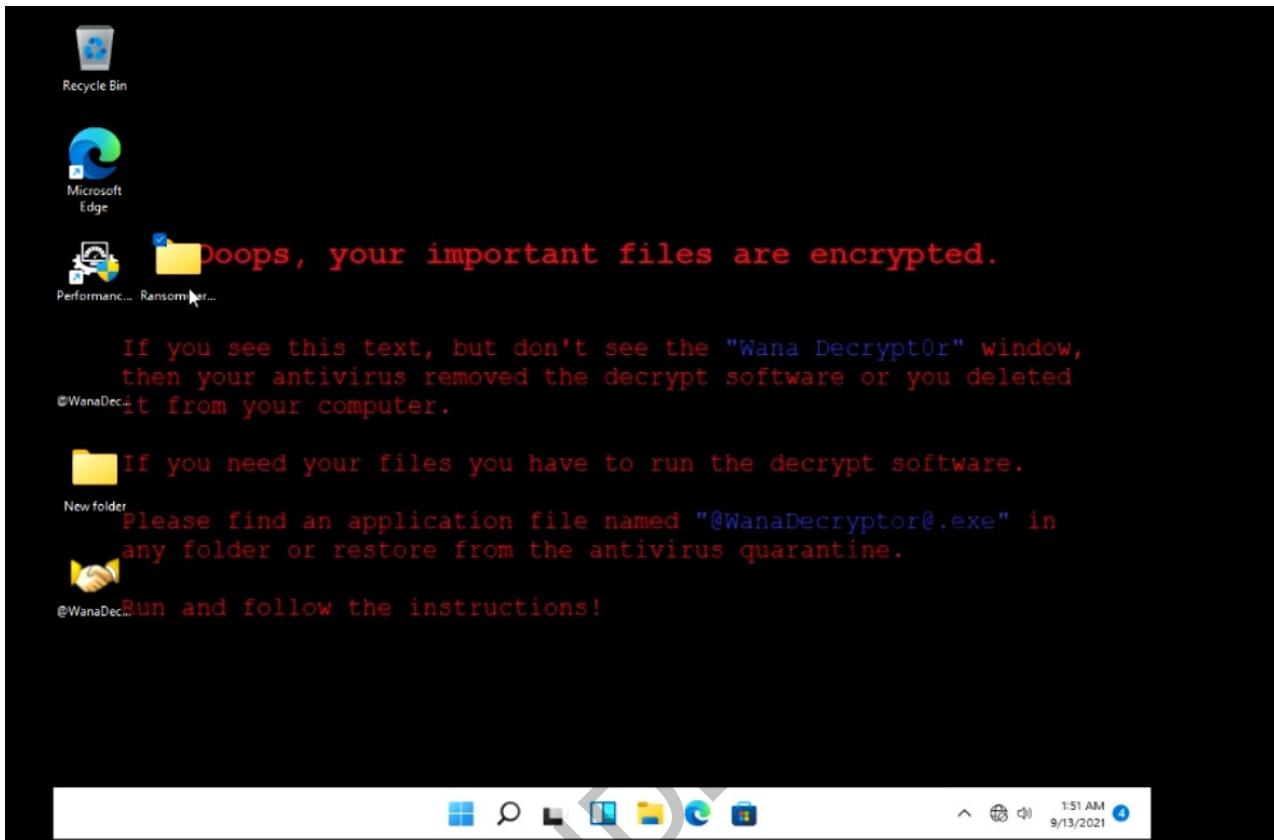
Disk Mark Test



Overall Test Results :



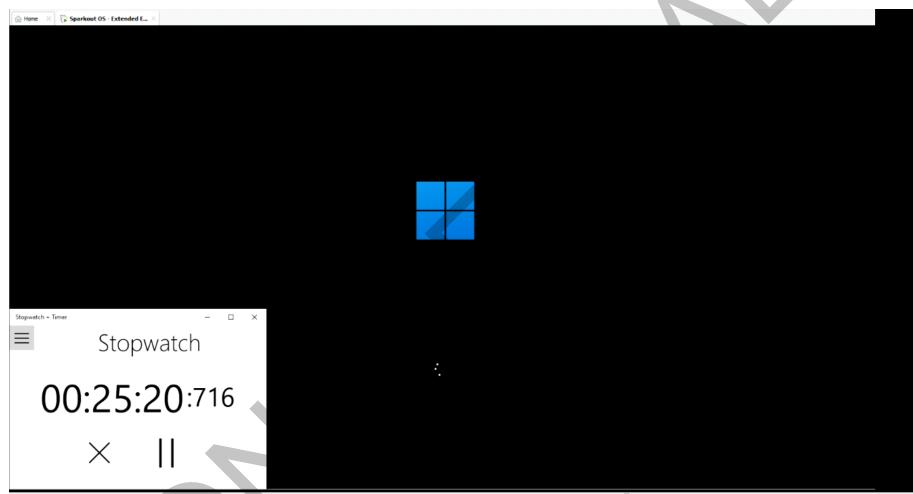
Ransomeware Virus Attack Test



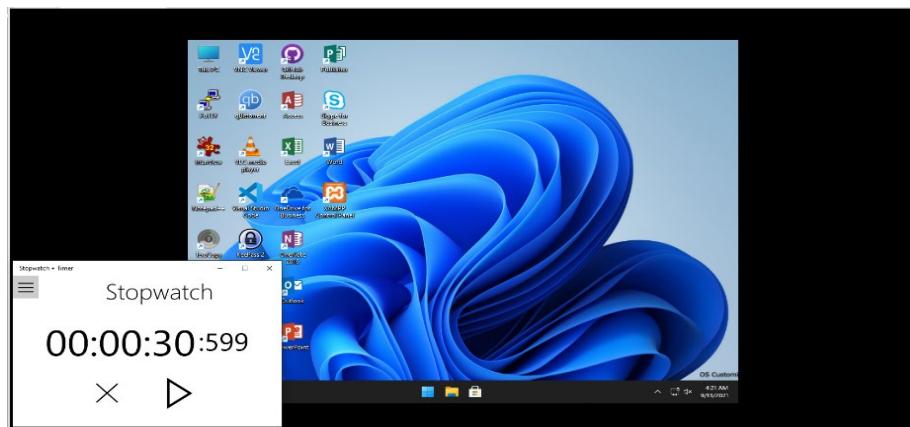
Sparkout OS – Extended Professional Edition

(Testing Environment Specification)
[Ram – 2GB; Harddisk – 40GB; Graphics – 128MB;
Intel VT- Enabled; 2 Core Processor]

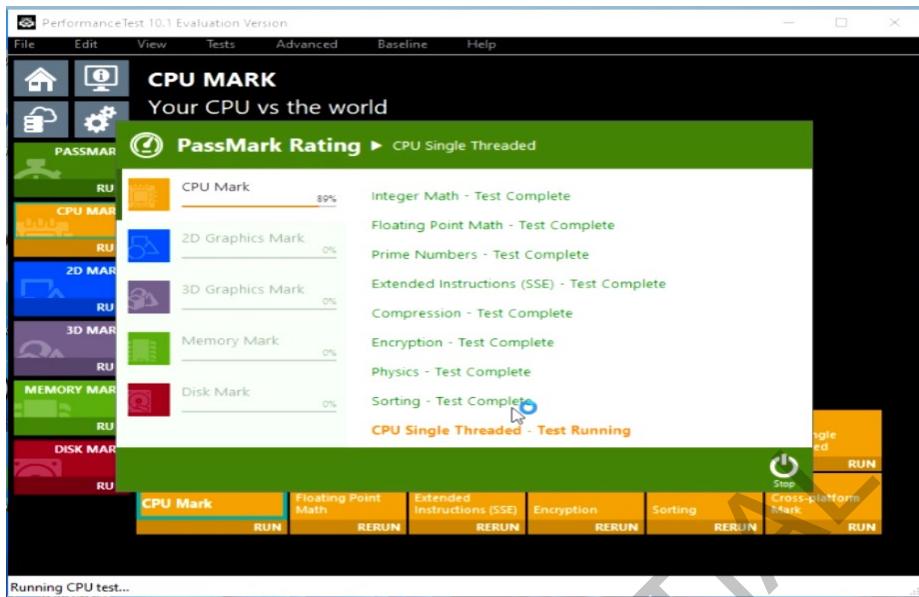
OS INSTALLATION TIME : 25 Minutes 20 Seconds



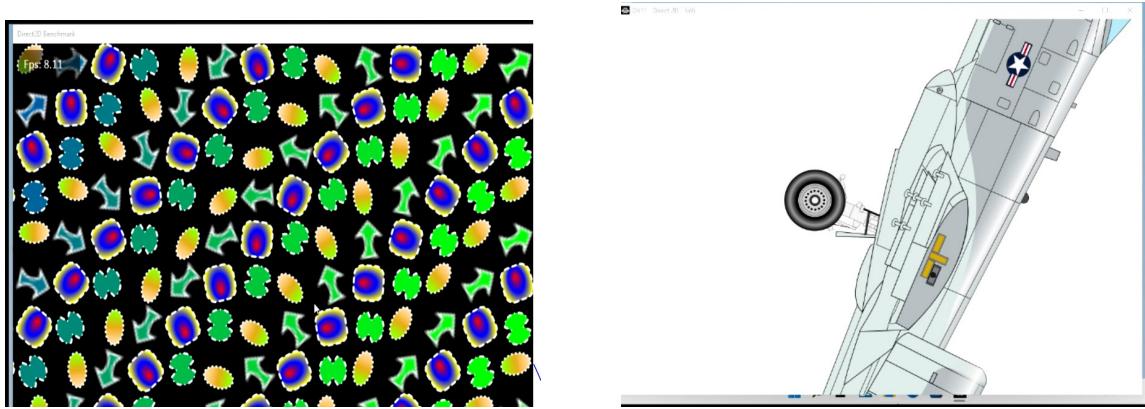
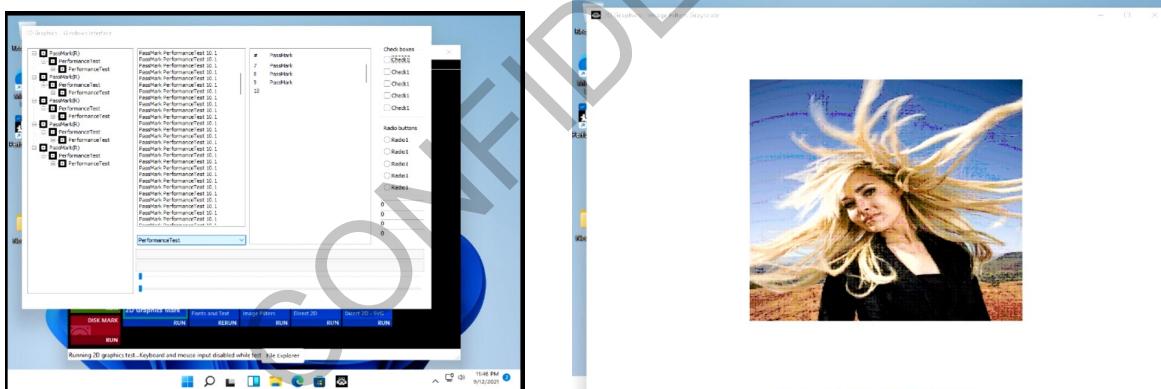
OS BOOTING TIME : 30 Seconds



CPU MARK TEST



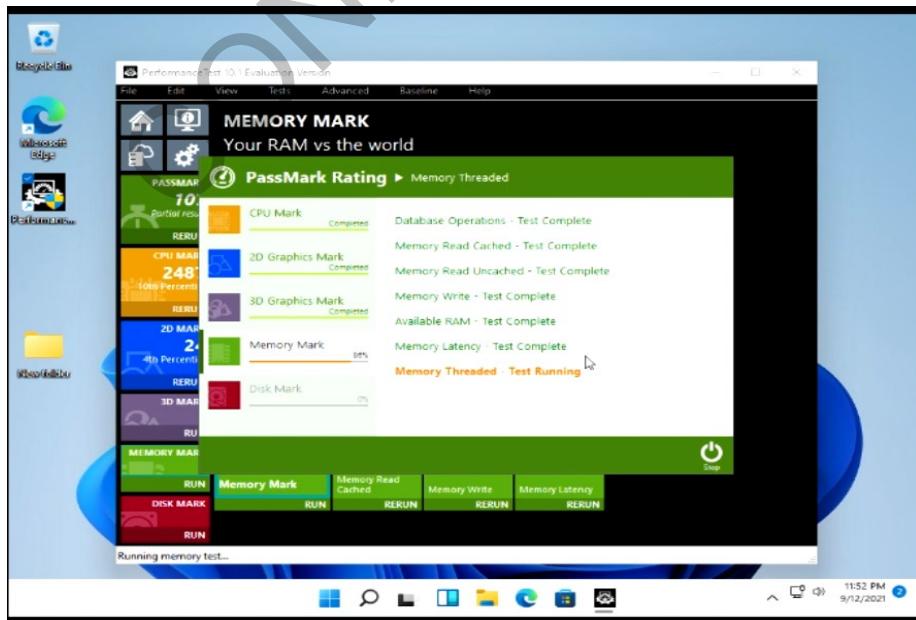
2D Graphics Test :



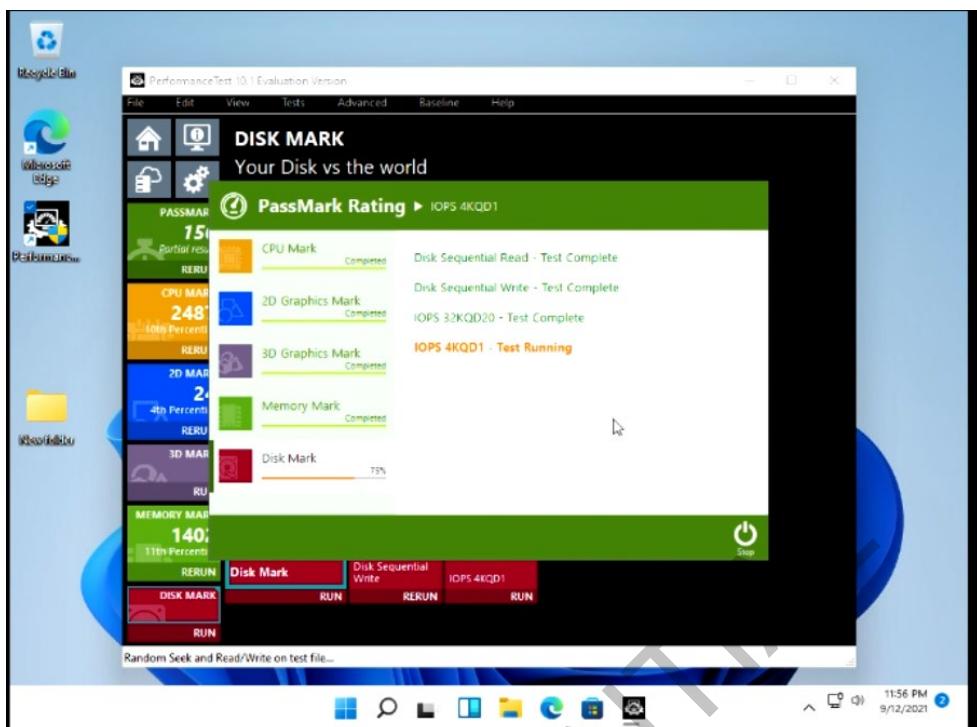
3D Graphics Test :



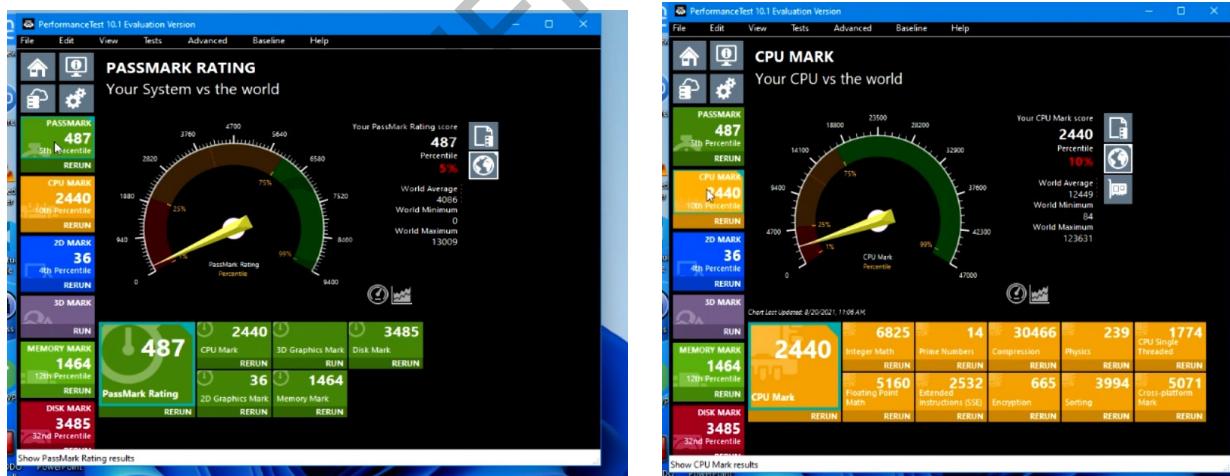
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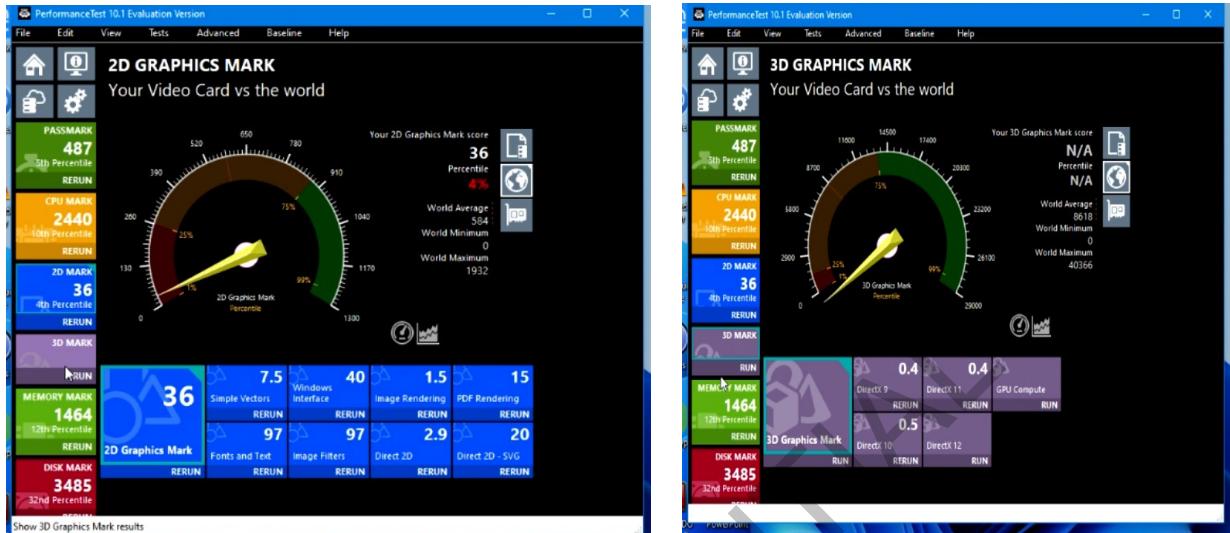


Disk Mark Test



Overall Test Results :

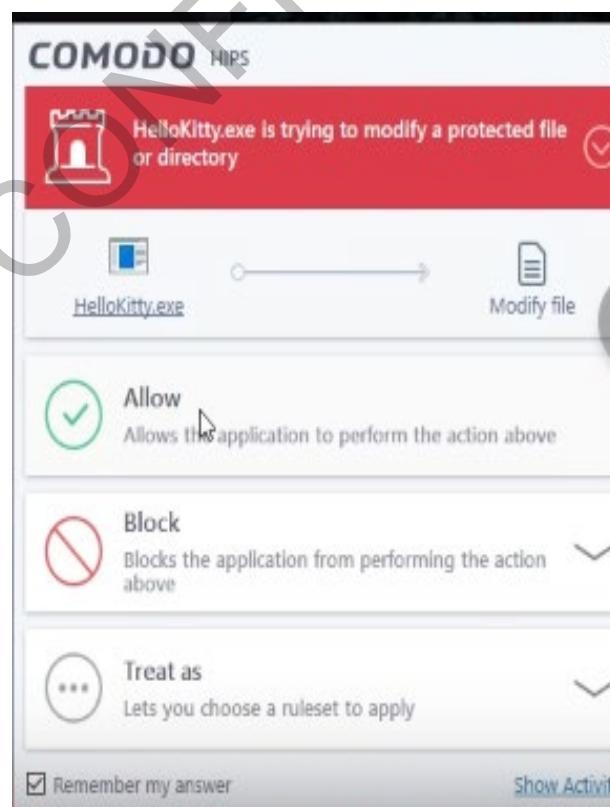


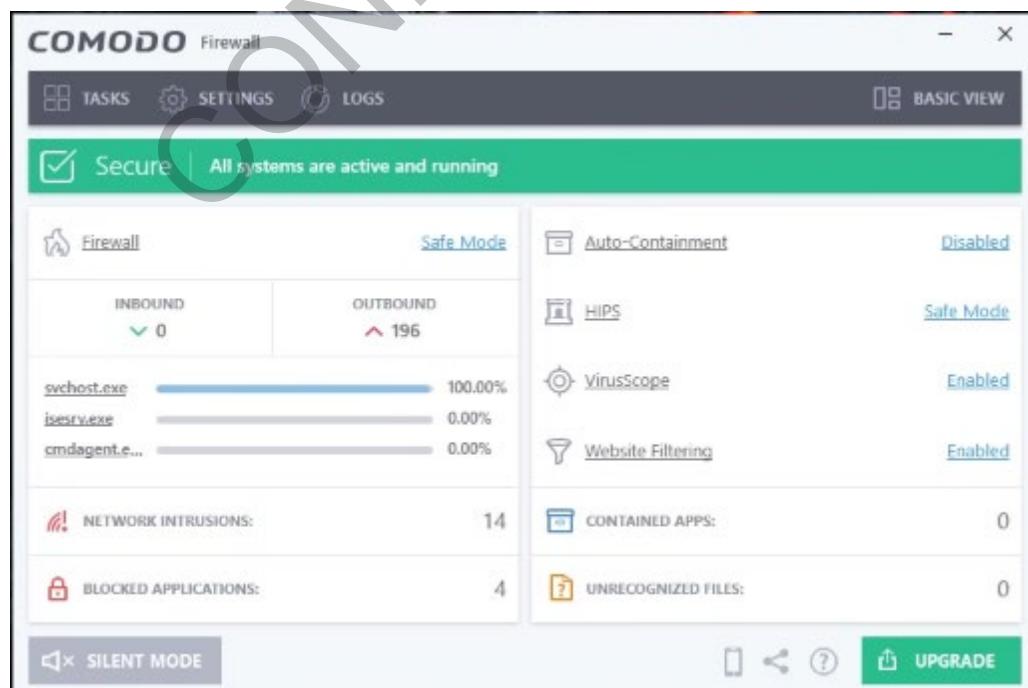
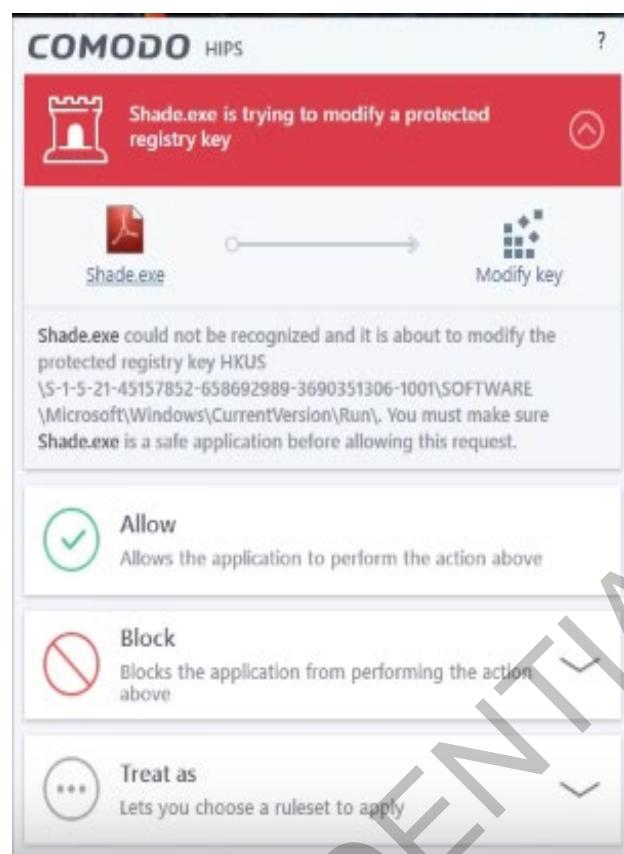


Ransomeware Virus Attack Test – 2021 Hello Kitty

Ransomeware Sample Tested inside obfuscated PDF

```
[1] read=40376 kbytes, write=39270 kbytes, opened=11, encPS=49, totalFound=130, TotalEncrypted=67
(7088) [507] main: COINITIALIZE
(7088) [511] main: SET ERROR MODE
(7088) [515] main: STOP DOUBLE PROCESS RUN
(7088) [534] main: DO IOCP
(7088) [1257] DoIOCP: CPU AES +
(7088) [1268] DoIOCP: Number of threads 16
(2892) [712] ReadWritePoolThread: ReadWritePoolThread(2892) starting...
(1008) [712] ReadWritePoolThread: ReadWritePoolThread(1008) starting...
(6856) [712] ReadWritePoolThread: ReadWritePoolThread(6856) starting...
(8684) [712] ReadWritePoolThread: ReadWritePoolThread(8684) starting...
(8124) [712] ReadWritePoolThread: ReadWritePoolThread(8124) starting...
(6092) [712] ReadWritePoolThread: ReadWritePoolThread(6092) starting...
(7568) [712] ReadWritePoolThread: ReadWritePoolThread(7568) starting...
(9780) [712] ReadWritePoolThread: ReadWritePoolThread(9780) starting...
(2912) [712] ReadWritePoolThread: ReadWritePoolThread(2912) starting...
(8920) [712] ReadWritePoolThread: ReadWritePoolThread(8920) starting...
(9704) [712] ReadWritePoolThread: ReadWritePoolThread(9704) starting...
(7048) [712] ReadWritePoolThread: ReadWritePoolThread(7048) starting...
(8788) [712] ReadWritePoolThread: ReadWritePoolThread(8788) starting...
(9908) [712] ReadWritePoolThread: ReadWritePoolThread(9908) starting...
(6664) [712] ReadWritePoolThread: ReadWritePoolThread(6664) starting...
(2012) [712] ReadWritePoolThread: ReadWritePoolThread(2012) starting...
(7816) [1171] DriveSearchThread: Thread(7816): Looking for files in drive Z:\_
(1272) [1171] DriveSearchThread: Thread(1272): Looking for files in drive C:\_
(9652) [1171] DriveSearchThread: Thread(9652): Looking for files in drive \\vmware-host\Shared Folders
```





BUSINESS MOTIVE IN SPARKOUT OS

1. To Support and encourage startup companies with their products and services.
2. Bundle many software license given in affordable price according to the target audience.
3. It helps startup companies come up with more products in reliable price.
4. Some margin amount was added with bundle of software in sparkout os and give to customers in their affordable price.