Power Efficiency Diagnostics Report

Computer Name	**DESKTOP-7FPB25G**
Scan Time	**2025-01-09T23:31:30Z**
Scan Duration	**60 seconds**
System Manufacturer	**To Be Filled By O.E.M.**
System Product Name	**To Be Filled By O.E.M.**
BIOS Date	**08/26/2016**
BIOS Version	**080014**
OS Build	**19045**
Platform Role	**PlatformRoleDesktop**
Plugged In	**true**
Process Count	**87**
Thread Count	**1222**
Report GUID	**{e3234a44-ad78-413f-9d24-6e678b729951}**

Analysis Results

Errors

USB Suspend:USB Device not Entering Selective Suspend

This device did not enter the USB Selective Suspend state. Processor power management may be prevented when this USB device is not in the Selective Suspend state. Note that this issue will not prevent the system from sleeping.

Device Name	**USB Input Device**
Host Controller ID	**PCI\VEN_8086&DEV_27C8**
Host Controller Location	**PCI bus 0, device 29, function 0**
Device ID	**USB\VID_275D&PID_0BA6**
Port Path	**2**

USB Suspend:USB Device not Entering Selective Suspend

This device did not enter the USB Selective Suspend state. Processor power management may be prevented when this USB device is not in the Selective Suspend state. Note that this issue will not prevent the system from sleeping.

Device Name	**D-Link DWA-131 Wireless N Nano USB Adapter(rev.E)**
Host Controller ID	**PCI\VEN_8086&DEV_27CC**
Host Controller Location	**PCI bus 0, device 29, function 7**
Device ID	**USB\VID_2001&PID_3319**

Port Path	**4**

USB Suspend:USB Device not Entering Selective Suspend

This device did not enter the USB Selective Suspend state. Processor power management may be prevented when this USB device is not in the Selective Suspend state. Note that this issue will not prevent the system from sleeping.

Device Name	**USB Root Hub**
Host Controller ID	**PCI\VEN_1106&DEV_3038**
Host Controller Location	**PCI bus 3, device 5, function 0**
Device ID	**USB\VID_1106&PID_3038**
Port Path	

USB Suspend:USB Device not Entering Selective Suspend

This device did not enter the USB Selective Suspend state. Processor power management may be prevented when this USB device is not in the Selective Suspend state. Note that this issue will not prevent the system from sleeping.

Device Name	**USB Root Hub**
Host Controller ID	**PCI\VEN_8086&DEV_27CC**
Host Controller Location	**PCI bus 0, device 29, function 7**
Device ID	**USB\VID_8086&PID_27CC**
Port Path	

USB Suspend:USB Device not Entering Selective Suspend

This device did not enter the USB Selective Suspend state. Processor power management may be prevented when this USB device is not in the Selective Suspend state. Note that this issue will not prevent the system from sleeping.

Device Name	**USB Composite Device**
Host Controller ID	**PCI\VEN_8086&DEV_27C8**
Host Controller Location	**PCI bus 0, device 29, function 0**
Device ID	**USB\VID_C0F4&PID_01F5**
Port Path	**1**

USB Suspend:USB Device not Entering Selective Suspend

This device did not enter the USB Selective Suspend state. Processor power management may be prevented when this USB device is not in the Selective Suspend state. Note that this issue will not prevent the system from sleeping.

Device Name	**USB Root Hub**

Host Controller ID	**PCI\VEN_8086&DEV_27C8**
Host Controller Location	**PCI bus 0, device 29, function 0**
Device ID	**USB\VID_8086&PID_27C8**
Port Path	

CPU Utilization:Processor utilization is high
The average processor utilization during the trace was high. The system will consume less power when the average processor utilization is very low. Review processor utilization for individual processes to determine which applications and services contribute the most to total processor utilization.

Average Utilization (%)	**35.65**

Platform Power Management Capabilities:System firmware (BIOS) does not support S3.
The hardware in this computer does not support the S3 sleep state.

Device Drivers:
Devices with missing or misconfigured drivers can increase power consumption.

Device Name	**Unknown USB Device (Device Descriptor Request Failed)**
Device ID	**USB\VID_0000&PID_0002\6&18D71D82&0&2**
Device Status	**0x1806400**
Device Problem Code	**0x2b**

Warnings

Platform Timer Resolution:Outstanding Timer Request
A program or service has requested a timer resolution smaller than the platform maximum timer resolution.

Requested Period	**40000**
Requesting Process ID	**5600**
Requesting Process Path	**\Device\HarddiskVolume2\Program Files\Mozilla Firefox\firefox.exe**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**svchost.exe**

PID	**3296**
Average Utilization (%)	**13.33**

Module	Average Module Utilization (%)
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**6.36**
\Device\HarddiskVolume2\Windows\System32\msxml6.dll	**2.75**
\SystemRoot\system32\ntoskrnl.exe	**1.05**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**svchost.exe**
PID	**1264**
Average Utilization (%)	**9.80**

Module	Average Module Utilization (%)
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**3.72**
\SystemRoot\system32\ntoskrnl.exe	**2.41**
\Device\HarddiskVolume2\Windows\System32\dcntel.dll	**0.74**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**MsMpEng.exe**
PID	**2576**
Average Utilization (%)	**1.37**

Module	Average Module Utilization (%)
\Device\HarddiskVolume2\ProgramData\Microsoft\Windows Defender\Definition Updates\{6005060E-B128-4D47-A7F6-C929548797C7}\mpengine.dll	**0.73**
\SystemRoot\system32\ntoskrnl.exe	**0.33**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.15**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**sppsvc.exe**
PID	**1060**
Average Utilization (%)	**1.24**
Module	Average Module Utilization (%)
\Device\HarddiskVolume2\Windows\System32\sppsvc.exe	**0.76**
\SystemRoot\system32\ntoskrnl.exe	**0.21**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.14**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**svchost.exe**
PID	**1980**
Average Utilization (%)	**1.20**
Module	Average Module Utilization (%)
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.34**
\Device\HarddiskVolume2\Windows\System32\combase.dll	**0.28**
\SystemRoot\system32\ntoskrnl.exe	**0.19**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**System**
PID	**4**
Average Utilization (%)	**1.03**
Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.74**
\SystemRoot\system32\DRIVERS\nvlddmkm.sys	**0.09**
\SystemRoot\System32\drivers\USBPORT.SYS	**0.04**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**svchost.exe**
PID	**552**
Average Utilization (%)	**0.91**
Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.32**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.24**
\Device\HarddiskVolume2\Windows\System32\rpcrt4.dll	**0.15**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**MoUsoCoreWorker.exe**
PID	**6420**
Average Utilization (%)	**0.89**
Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.45**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.19**
\Device\HarddiskVolume2\Windows\System32\Windows.Web.dll	**0.05**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**TiWorker.exe**
PID	**4192**
Average Utilization (%)	**0.75**
Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.26**
\Device\HarddiskVolume2\Windows\WinSxS\amd64_microsoft-windows-servicingstack_31bf3856ad364e35_10.0.19041.5071_none_7e3c4e70	**0.17**

7c6a2679\CbsCore.dll	
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.12**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**OfficeClickToRun.exe**
PID	**2316**
Average Utilization (%)	**0.60**
Module	Average Module Utilization (%)
\Device\HarddiskVolume2\Windows\System32\msxml6.dll	**0.31**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.10**
\SystemRoot\system32\ntoskrnl.exe	**0.10**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**SDXHelper.exe**
PID	**592**
Average Utilization (%)	**0.34**
Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.17**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.08**
\Device\HarddiskVolume2\Program Files\Common Files\microsoft shared\ClickToRun\AppvIsvSubsystems64.dll	**0.02**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**svchost.exe**
PID	**3900**
Average Utilization (%)	**0.34**
Module	Average Module

	Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.12**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.09**
\Device\HarddiskVolume2\Windows\System32\InstallService.dll	**0.02**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**SDXHelper.exe**
PID	**1676**
Average Utilization (%)	**0.33**
Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.17**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.06**
\Device\HarddiskVolume2\Program Files\Common Files\microsoft shared\ClickToRun\AppvIsvSubsystems64.dll	**0.02**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**taskhostw.exe**
PID	**3520**
Average Utilization (%)	**0.32**
Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.16**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.07**
\Device\HarddiskVolume2\Windows\System32\Windows.Web.dll	**0.02**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**MemCompression**
PID	**1432**
Average Utilization (%)	**0.24**

Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.24**

CPU Utilization:Individual process with significant processor utilization.
This process is responsible for a significant portion of the total processor utilization recorded during the trace.

Process Name	**services.exe**
PID	**764**
Average Utilization (%)	**0.24**
Module	Average Module Utilization (%)
\SystemRoot\system32\ntoskrnl.exe	**0.10**
\Device\HarddiskVolume2\Windows\System32\ntdll.dll	**0.06**
\Device\HarddiskVolume2\Windows\System32\rpcrt4.dll	**0.03**