

DEVOPS HOMEWOKE 2

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Q1: Write a HEARTBEAT job using BASH using the system log of your choice on your desired operating system

CODE:

```
#!/bin/bash
# Continuously print Windows Application logs every few seconds
INTERVAL=61 # Adjust the interval as needed
while true; do
    echo "===== Heartbeat initiated ====="
    echo "Heartbeat Time: $(date)" # Display current timestamp
    echo "===== Latest Application Logs (Last 2 Entries) ====="
    powershell.exe -Command "Get-EventLog -LogName Application -Newest 2 | Format-Table
-AutoSize"
    echo "===== Latest System Logs (Last 5 Entries) ====="
    powershell.exe -Command "Get-EventLog -LogName System -Newest 5 | Format-Table
-AutoSize"
    echo "===== "
    # Wait before refreshing logs
    sleep $INTERVAL
done
```

C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe

```
=====  
C:  
nsha123@NODE:/mnt/h/My Drive/Trichy cllg sem 2 data/devops$ nano heartbeat.sh  
nsha123@NODE:/mnt/h/My Drive/Trichy cllg sem 2 data/devops$ ./heartbeat.sh  
=====  
Heartbeat Time: Mon Mar 24 13:04:30 IST 2025  
=====  
Latest Application Logs (Last 2 Entries) =====  
Index Time      EntryType      Source      InstanceID Message  
-----  
30224 Mar 24 11:52 Information Software Protection Platform Service 1073758208 Successfully scheduled Software Prote...  
30223 Mar 24 11:52 Information SecurityCenter 15 Updated Windows Defender status succe...  
  
=====  
Latest System Logs (Last 5 Entries) =====  
Index Time      EntryType      Source      InstanceID Message  
-----  
1235412 Mar 24 13:03 Information Intel-SST-OED 19 Check the remaining resource budget. Module exceeds r...  
1235411 Mar 24 13:02 Information googledrives31626 1074135041 Opened file with user mode dispatch blocked: "\drive_...  
1235410 Mar 24 13:00 Information Intel-SST-OED 19 Check the remaining resource budget. Module exceeds r...  
1235409 Mar 24 13:00 Information Intel-SST-OED 19 Check the remaining resource budget. Module exceeds r...  
1235408 Mar 24 13:00 Information Intel-SST-OED 19 Check the remaining resource budget. Module exceeds r...  
  
=====  
Heartbeat initiated =====  
Heartbeat Time: Mon Mar 24 13:05:31 IST 2025  
=====  
Latest Application Logs (Last 2 Entries) =====  
Index Time      EntryType      Source      InstanceID Message  
-----  
30224 Mar 24 11:52 Information Software Protection Platform Service 1073758208 Successfully scheduled Software Protection service for re-start at 2125-02-28T06:22:25Z. Reason: RulesEngine.  
30223 Mar 24 11:52 Information SecurityCenter 15 Updated Windows Defender status successfully to SECURITY_PRODUCT_STATE_ON.  
  
=====  
Latest System Logs (Last 5 Entries) =====  
Index Time      EntryType      Source      InstanceID Message  
-----  
1235412 Mar 24 13:03 Information Intel-SST-OED 19 Check the remaining resource budget. Module exceeds resource budget, failed to AllocateFwCps, STATUS = 3221225626.  
1235411 Mar 24 13:02 Information googledrives31626 1074135041 Opened file with user mode dispatch blocked: "\drive_fs_notification"  
1235410 Mar 24 13:00 Information Intel-SST-OED 19 Check the remaining resource budget. Module exceeds resource budget, failed to AllocateFwCps, STATUS = 3221225626.  
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=====  
Heartbeat initiated =====  
Heartbeat Time: Mon Mar 24 13:06:33 IST 2025
```

```
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