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IT 0115-41197

Lab 14

Part A: [Netlab3Links to an external site.](https://netlabve3.flc.losrios.edu/) Event Viewer

* Select one event from each of the below areas and discuss what the event is
  + Application
    - Event ID 1000
    - Source Application Error 0xc0000005
    - MMC (Microsoft Management Console) attempted to access something using GPOADMIN.DLL and was given an access violation (not allowed to do what it was trying to do)
  + Security
    - Event ID 1100
    - Source event log
    - The event logging service was shutdown most likely during the shutdown of the system.
  + System
    - Event ID 5781
    - Source Netlogon
    - Most likely a holdover from when the Net lab VM was initially created it remembers being connected to citc.bayict.cabrillo.edu and is trying to purge old DNS records but the warning is triggered to say that it may not be able to contact systems without those records.

Part B: Task Manager

* Take a snapshot of memory utilization

A screenshot of a computer

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* Take a snapshot of CPU utilization

A screenshot of a computer

AI-generated content may be incorrect.

* What process is using up the most memory

A close up of a box

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* + How much memory is it using
  + 118.3 MB
* What process is using the most processing power

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* + How much processing power is it using
  + 2.5%

Part C:

* Run the "System Diagnostics" and "System Performance" tests and discuss the results

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A screenshot of a computer program

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* Are there any failed events? Discuss what they are and what needs to be done to clear them
  + Nothing wrong on the performance report. I have not used this tool before and I have to say I like the volume of data that it gives. The cpu load is low as the systems is not doing anything. Network is less than 15% as it’s a vm and has no network access.
  + For the Diagnostic report

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* Only the Data sharing service failed its test. The Data Sharing Service fails due to a resource conflict with another service included in Server 2016, the User Access Logging Service. Either one of these services alone will run without issue, but if one is already running and you try to start the other, it will fail

A computer screen with white text

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* By running the above commands you can avoid the conflict by giving each its own process thus avoiding the conflict.

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Error resolved

Part D: [Netlab2Links to an external site.](https://netlabve2.flc.losrios.edu/) Linux

* Search the internet for 5-10 Linux troubleshooting tools.
* Use the tools against the Ubuntu system and interpret the results

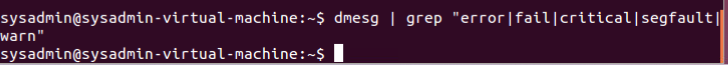
1. Top

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Real time cpu, ram , and process usage also includes all tasks total running sleeping stopped and zombie

1. Dmesg



The command uses grep to search dmsg for any alerts / errors that show up and for this system none showed up. Dmesg shows bood messages, device detection and hardware errors.

1. Journalctl



Not found on this system but it searches for failed units, crash reports or reoccurring service restarts

1. Netstat

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Shows listening ports and open tcp / udp connections (this can be used to verify that services are listening on the expected ports)

1. Ifconfig

A computer screen shot of a program

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Used to view the interface information of the machine, very useful on system setup or when doing network troubleshooting

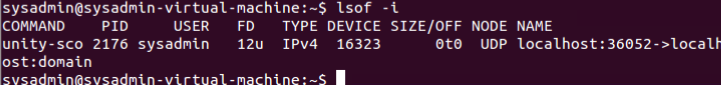
1. Traceroute

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Not installed but very useful when troubleshooting internet connections or network issues, This tool maps the path to host and can help to diagnose where in the route the issue is occurring.

1. Lsof



Lists what files / sockets each process has open. This is good to look at what process could be blocking a file or using a port

1. Df

A screen shot of a computer

AI-generated content may be incorrect.

Shows what disks are mounted and the mount point or directory. This can also be used to look at the current used / available space on a disk

1. Ps

A screenshot of a computer program

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Used to see the process tree or what the running processes are. This is good for tracking down hung or zombie processes and even misbehaving services.

1. Systemctl



Not installed but extremely useful for checking the status of services as well as starting and stopping them.