

WELCOME

T O Y O U R P R E S E N T A T I O N

Project Name: PC Health Checker

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Platform: Kali Linux (Bash Script)

Purpose: Real-time system monitoring tool



Project Overview



- The **PC Health Checker** is a Bash-based monitoring utility.



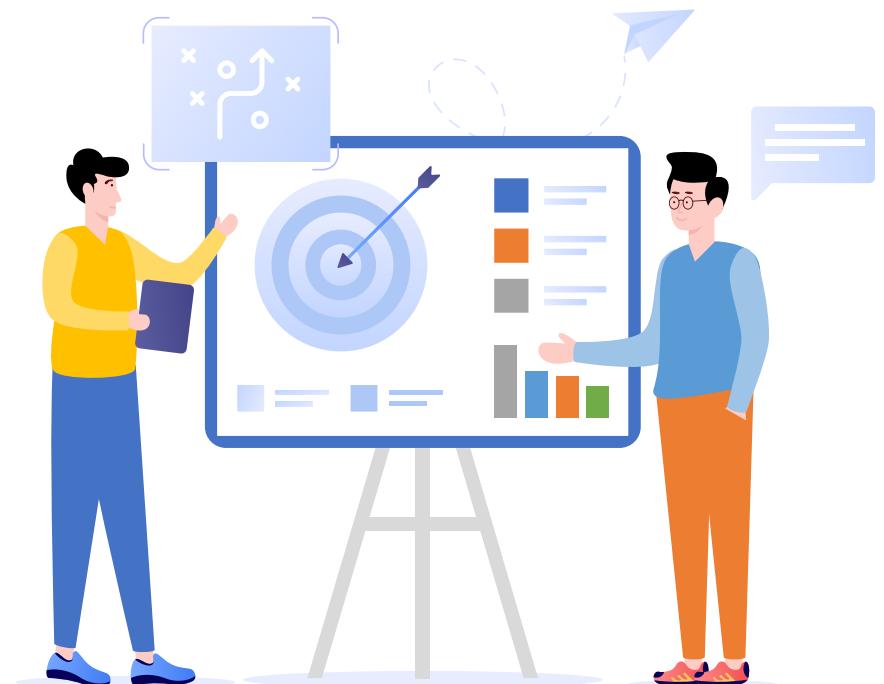
- Continuously collects and displays key system metrics.



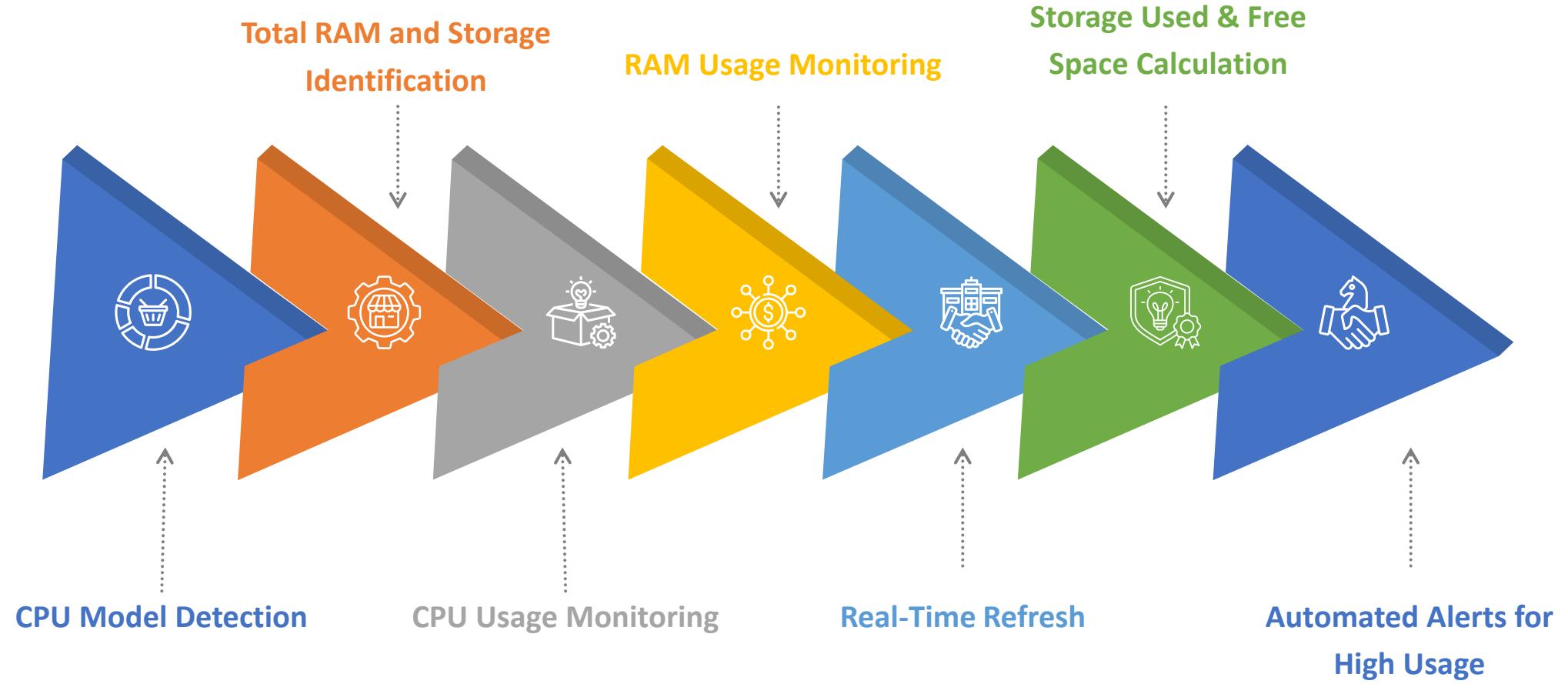
- Alerts user when resource usage exceeds defined thresholds.



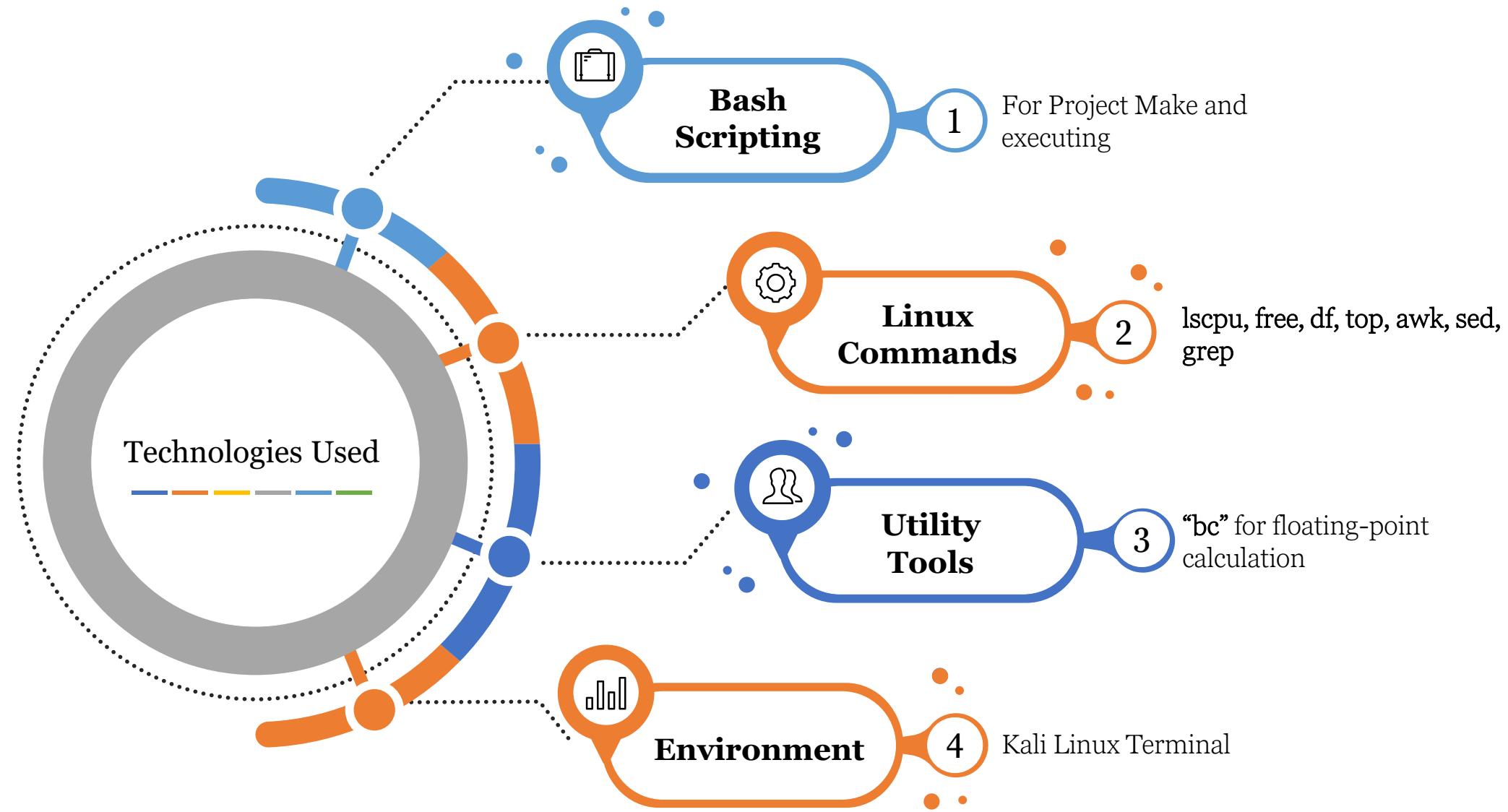
- Lightweight, fast, and suitable for Linux environments.



Key Features



Technologies Used



System Metrics Collected

1.CPU Information

- CPU Model
- CPU Usage Percentage



2.Memory (RAM) Information

- Total RAM
- RAM Usage (%)

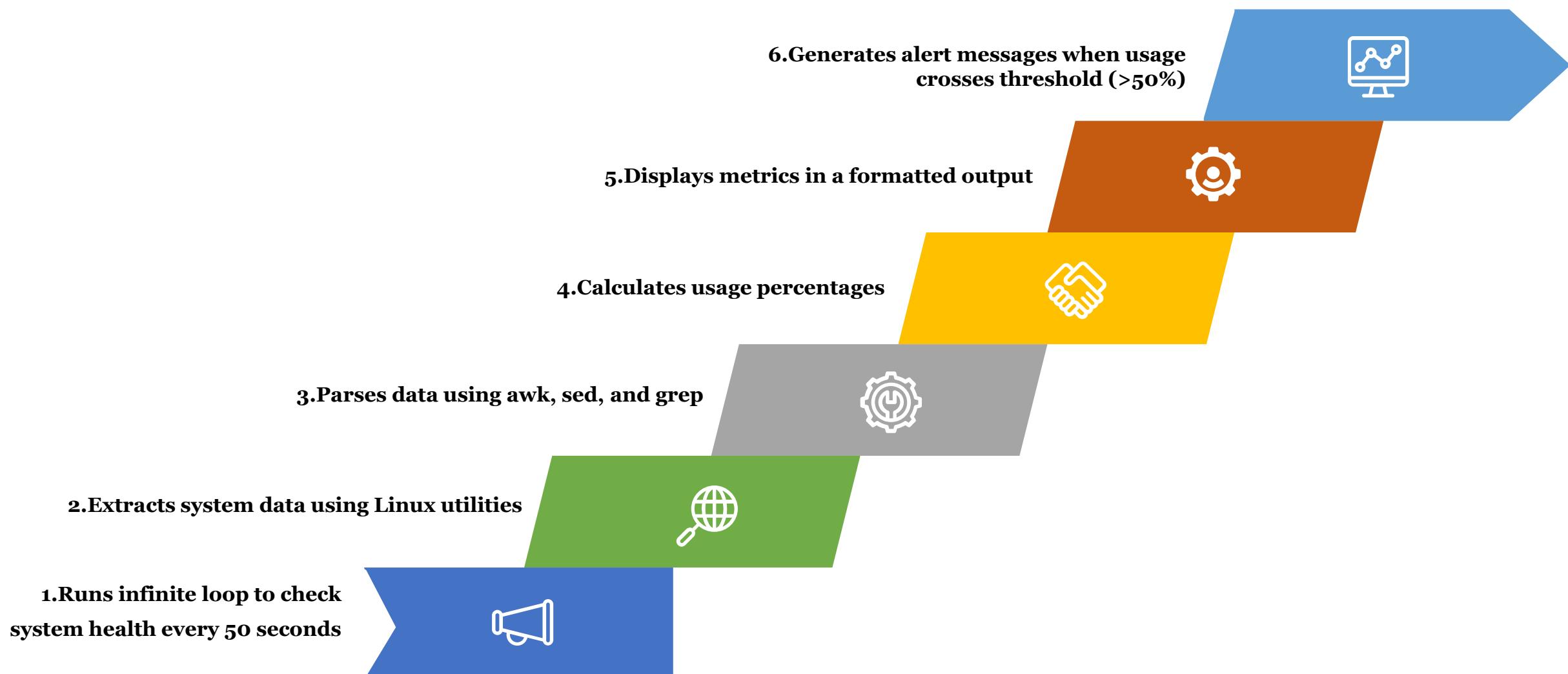


3.Storage Information

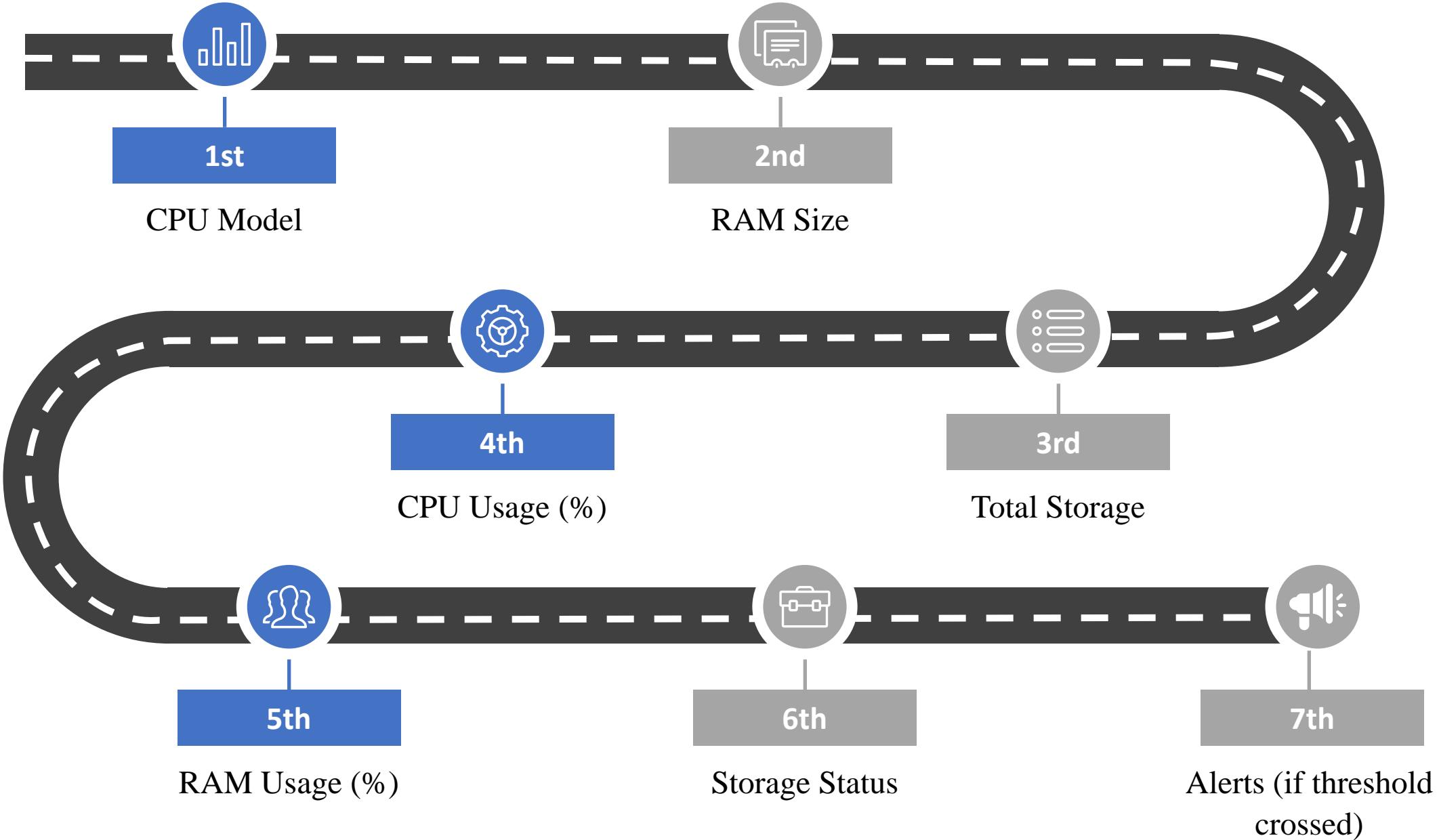
- Total Storage
- Storage Used (GB)
- Storage Free (GB)



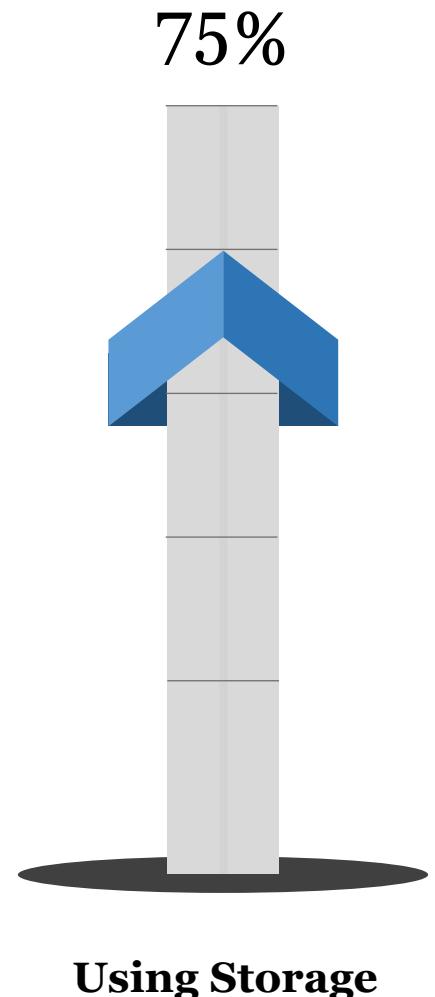
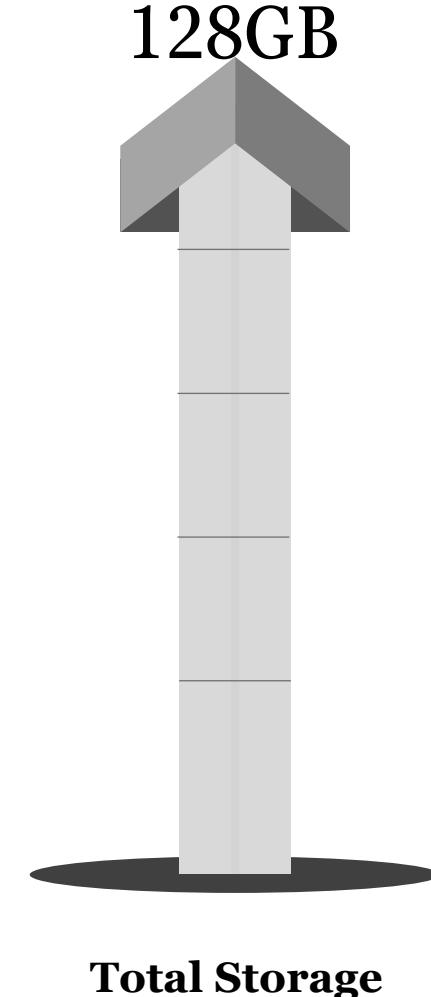
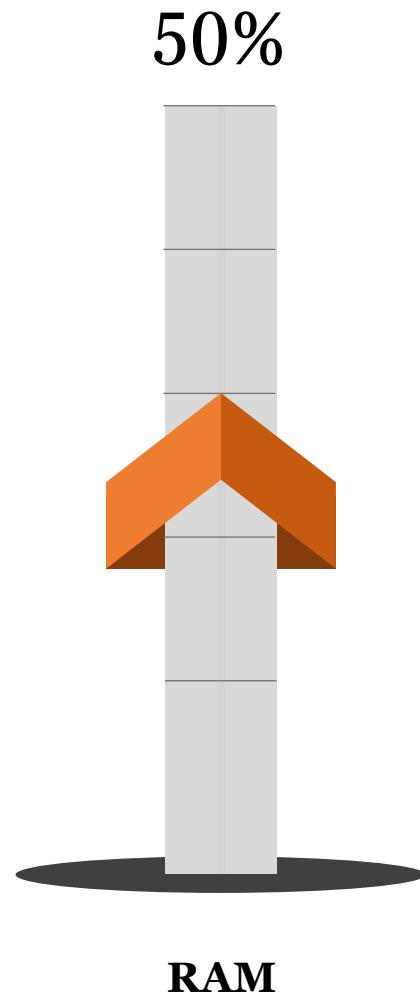
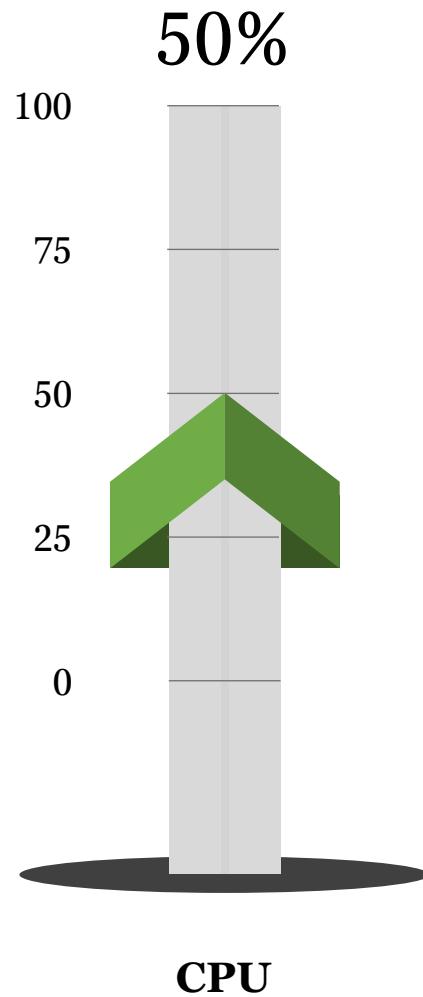
How the Script Works



Script Output Sample



Alerts threshold limit



Advantages of This Tool



- Simple and lightweight
- No external dependencies
- Continuous monitoring
- Customizable alert thresholds
- Suitable for low-resource or older machines

Future Enhancements



Log File

Add log file support

1



Color

Add color-coded output (red alert, yellow warning, green normal)



3

Report

Export health reports to CSV or JSON



4



5

GUI Interface

Add GUI using Python/Tkinter or GTK.



Run Background

Create a service that runs in the background





Conclusion

- The PC Health Checker provides a practical demonstration of Bash scripting.
- Efficient for monitoring system health in real time.
- Good example of Linux automation, system management, and scripting proficiency.

Thank you.

Any questions?

