POC Task 9

Task 9: Environment & Disk Report

1. Executive Summary

This PoC creates a comprehensive system report covering user environment, disk usage, and key configuration details through automated bash scripting.

2. Objectives

- Capture current user session details
- Document filesystem utilization
- Record relevant environment variables
- Generate formatted output file

3. Implementation

3.1 Script Creation

3.2 Permission Configuration

```
C(llamsfart@jsivanti).[-]

[sudo_chom studentuser/mome/studentuser/projectX/scripts/env_disk_report.sh

[sudo_chod wx_home/studentuser/projectX/scripts/env_disk_report.sh

[sudo_chod wx_home/studentuser/projectX/scripts/env_disk_report.sh

[sudo_ns_studentuser_home/studentuser/projectX/scripts/env_disk_report.sh

Report_saved_to_/home/studentuser/projectX/scripts/env_disk_report.sh

Report_saved_to_/home/studentuser/projectX/system_report_20250729.log
```

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3.3 Execution

```
| System | Statement | Stateme
```

4. Conclusion

The diagnostic script successfully generates comprehensive system reports covering user environment, disk utilization, and key configurations through non-privileged checks. The solution provides administrators with essential troubleshooting data while maintaining security through minimal permission requirements.

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