POC Task 10

Task 10: Compress & Archive Automation

1. Executive Summary

This PoC demonstrates automated log management by identifying, compressing, and archiving large log files (>10MB) with proper timestamping and storage organization.

2. Objectives

- Identify log files exceeding 10MB
- Create timestamped compressed archive
- Organize backups in dedicated directory
- Maintain file permissions and ownership

3. Implementation

3.1 Script Creation

```
Log_DEar*(Mose/Studentuser tee /home/Studentuser/projectX/scripts/log_archiver.sh << 'EDF' # JAMIO* us studentuser tee /home/Studentuser/projectX/log_archiver.sh << 'EDF' # JAMIO* us studentuser/projectX/log # JAMIO* #
```

3.2 Permission Configuration

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

C| sudo_chom studentuser/studentuser/projectX/scripts/log_archiver.sh

C(llamsfart@jsivanti)-[-]

C| sudo_chood vx / home/studentuser/projectX/scripts/log_archiver.sh

C(llamsfart@jsivanti)-[-]

C| sudo_nus studentuser midir -p /home/studentuser/projectX/(logs,backup)
```

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3.3 Execution

4. Conclusion

The log archiver successfully automates compression of large log files into dated backups while maintaining directory structure and permissions. The solution efficiently manages disk space through size-based file selection and standard tar/gzip compression.

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