Dunder Mifflin Administrative Access Management

Monday, November 18, 2024   1:06 PM

This project focuses on resolving access and administrative issues for Dunder Mifflin employees while maintaining security and adhering to organizational policies. The assignment involves configuring user privileges, enabling password-less logins, and implementing secure methods for administrative tasks. Key functionalities include:

1. **Password-less Login Setup**: Configures password-less SSH logins from Machine E to Machine C for Pam Beesly, Kelly Kapoor, and Andy Bernard, ensuring convenience and improved workflow for authorized users.
2. **Custom Administrative Access for Dwight Schrute**: Grants Dwight Schrute full administrative access to run any command via sudo on all machines without adding him to the sudo or wheel groups. This approach maintains adherence to the principle of least privilege while ensuring operational flexibility.
3. **Controlled Shutdown Access for Michael Scott**: Allows Michael Scott to execute shutdown commands (sudo shutdown -h) on DMZ machines (B, C, D, F) with a delay ranging from 1 to 999 minutes. The configuration ensures that Michael can notify users at least two hours in advance and cancel a pending shutdown if necessary. This provides a controlled environment for server shutdowns while minimizing disruptions.
4. **Restricted File Ownership Modification for Jim Halpert**
   Grants Jim Halpert the ability to change the ownership of files on Machine E to any user except root. This ensures operational flexibility for file management without compromising system security.

This project emphasizes secure privilege management while addressing specific operational requirements of Dunder Mifflin employees. The configurations balance user convenience with organizational security, ensuring a functional and controlled administrative environment.