

Linux History Script

by

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Background: This script is predicated on the creation of a user history log in /var/log directory. This script pulls the contents of the history based on the number of days the user selects after running the script.

History: This script was created on Linux Ubuntu running on a type two hypervisor. It is for personal use and/or sandboxing. Text editor is GNU nano 7.2.

```
#!/bin/bash
```

```
# Function to display the full log
```

```
display_full_log() {  
    cat /var/log/History_Audit  
}
```

```
# Function to display logs for a specified number of days
```

```
display_logs_by_days() {  
    read -p "Enter the number of days (e.g., 7 for the last 7 days):" days  
  
    # Calculate the timestamp for the specified number of days ago  
    Timestamp="$timestamp" "$1" "$2" "$3 >= date' /var/log/History_Audit  
}
```

```
# Interactive menu using select
```

```
PS3="Please select an option:"
```

```
Select option in "Display Full Log" "Display Logs by Days" "Exit"; do
```

```
    Case $option in
```

```
        "Display Full Log")
```

```
            display_full_log
```

```
            break
```

```
            ;;
```

```
        "Display Logs by Days")
```

```
            display_logs_by_days
```

```
            break
```

```
            ;;
```

```
        "Exit")
```

```
            echo "Exiting the script."
```

```
            break
```

```
            ;;
```

```
    *)
```

```
echo "Invalid option. Please try again."  
;;
```

```
esac
```

```
done
```