Update #19 - VPS Admin Toolkit Menu Script

Date: June 6, 2025

Category: Automation / CLI Utilities

Backlink: [Update #18 – RKHunter Daily Scan with Email Alerting and Log Cleanup](#)

🧰 Features

- Interactive numbered menu with clear options
- Rootkit detection and security checks
- Fail2Ban IP lookup (quick and extended)
- One-command BookStack backup
- Update/upgrade/autoremove automation
- Live process monitoring with `htop`
- Disk usage, uptime, and CPU info summaries
- Network bandwidth stats using `vnstat`
- Emoji and `figlet` for enhanced terminal UX

📜 Full Script `~/Scripts/taskmenu.sh`

```bash
#!/bin/bash
clear

while true; do
    figlet "Nate's Toolkit"
    echo "🖥 Hostname: $(hostname)"
    echo "🌐 IP: $(hostname -I | awk '{print $1}')"
    echo "📅 Date: $(date '+%Y-%m-%d %H:%M:%S')"
    echo "===================================="
    echo "CHOOSE A NUMBER"
    echo "0.🚪 Exit"
    echo "1.🖥 System Info Summary"
    echo "2.📅 Show Date"
    echo "3.🛡 Run Rootkit Detection"
    echo "4.✈ Update, Upgrade, and Auto Remove"
    echo "5.🖥 System info and hostname"
    echo "6.📊 View System Activity (htop)"
    echo "7.💾 View Disk Usage"
    echo "8.📧 Run System Health Check and Email Results"
    echo "9.🔍 Run Fail2Ban IP Lookup Quick"
    echo "10.🔍 Run Fail2Ban IP Lookup Extended"
    echo "11.📦 Run Bookstack Backup Now"
    echo "===================================="
    echo ""
    read -p "Enter your choice: " answer
```

```
clear
sleep 0.5
if [ "$answer" = 0 ]; then
    echo "Exiting...."
    break
elif [ "$answer" = 1 ]; then
    echo "🖥 System Info Summary"
    echo ""
    echo "💻 CPU Info:"
    lscpu | grep 'Model name'
    echo ""
    echo "📊 System Load:"
    uptime
    echo ""
    echo "🌐 Network Usage:"
    vnstat
    echo ""
    read -p "Press Enter to return to the menu..."
    clear
elif [ "$answer" = 2 ]; then
    figlet $(date)
    echo ""
    read -p "Press Enter to return to the menu..."
    clear
elif [ "$answer" = 3 ]; then
    echo "Running Rootkit Checker..."
    ~/rkhunter.sh
    echo "✅ Job Complete"
    sleep 5
    clear
elif [ "$answer" = 4 ]; then
    echo "🔄 Updating System..."
    ~/Scripts/update.sh
    echo "✅ Update Complete"
    sleep 5
    clear
elif [ "$answer" = 5 ]; then
    hostname && uptime
    echo ""
    read -p "Press Enter to return to the menu..."
```

```
                    clear
        elif [ "$answer" = 6 ]; then
                    echo "⬜ View Top Processes (press Q to quit)..."
                    sleep 1
                    htop
                    clear
        elif [ "$answer" = 7 ];then
                    sleep 1
                    df -h /
                    echo ""
                    read -p "Press Enter to return to the menu..."
                    clear
        elif [ "$answer" = 8 ]; then
                    sudo /usr/local/bin/healthcheck.sh
                    echo ""
                    read -p "Press Enter to return to the menu..."
                    clear
        elif [ "$answer" = 9 ]; then
                    sudo /usr/local/bin/fail2ban-ip-lookup.sh
                    echo ""
                    read -p "press Enter to return to the menu..."
                    clear
        elif [ "$answer" = 10 ]; then
                    sudo /usr/local/bin/fail2ban-ip-lookup-extended.sh
                    echo ""
                    read -p "press Enter to return to the menu..."
        elif [ "$answer" = 11 ]; then
                    sudo /usr/local/bin/bookstack-backup.sh
                    echo ""
                    read -p "press Enter to return to the menu..."
        else
                    echo "⬜ invalid operation. Please choose a number on the menu."
        fi
done
```

⬜ Requirements

Install these tools:

```
sudo apt install figlet vnstat htop lm-sensors
```

Ensure supporting scripts exist:

- `~/rkhunter.sh`
- `~/Scripts/update.sh`
- `/usr/local/bin/healthcheck.sh`
- `/usr/local/bin/fail2ban-ip-lookup.sh`
- `/usr/local/bin/fail2ban-ip-lookup-extended.sh`
- `/usr/local/bin/bookstack-backup.sh`

🗒️ Notes

To launch the menu easily:

```
alias taskmenu='~/Scripts/taskmenu.sh'
```

Then add to your `~/.bashrc`:

```
echo "alias taskmenu='~/Scripts/taskmenu.sh'" >> ~/.bashrc
```

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