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#!/bin/bash
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# My WireGuard Status Report Script
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# This script checks the status of all the active users on my WireGuard service
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# It also prints the system info like the hostname, public IP and the uptime
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# Check if wg command is available
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```
if ! command -v wg &> /dev/null; then
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    echo "Error: WireGuard is not installed or 'wg' command is not in PATH."
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    exit 1
```

```
fi
```

```
# Get system information
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HOSTNAME=$(hostname)
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```
UPTIME=$(uptime -p)
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```
PUBLIC_IP=$(curl -s ifconfig.me || echo "N/A")
```

```
# Print system info
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```
echo "WireGuard VPN Status Report"
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```
echo "Hostname    : $HOSTNAME"
```

```
echo "Public IP   : $PUBLIC_IP"
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```
echo "System Uptime : $UPTIME"
```

```
# Get all active WireGuard interfaces
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```
WG_INTERFACES=$(wg show interfaces)
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```
if [ -z "$WG_INTERFACES" ]; then
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```
    echo "No active WireGuard interfaces found."
```

```
    exit 0
```

```
fi
```

```
# Loop through each interface

for iface in $WG_INTERFACES; do

    echo "Interface   : $iface"


    # Interface info

    LISTEN_PORT=$(wg show "$iface" | grep "listen port" | awk '{print $3}')

    echo "Listen Port  : $LISTEN_PORT"


    # Show peers

    PEERS=$(wg show "$iface" peers)

    if [ -z "$PEERS" ]; then

        echo "No peers connected."

    else

        echo "Connected Peers:"

        for peer in $PEERS; do

            ENDPOINT=$(wg show "$iface" endpoint | grep "$peer" | awk '{print $2}')

            HANDSHAKE=$(wg show "$iface" latest-handshakes | grep "$peer" | awk '{print $2}')


            # Convert UNIX timestamp to readable format

            if [ "$HANDSHAKE" -eq 0 ]; then

                LAST_HANDSHAKE="Never"

            else

                LAST_HANDSHAKE=$(date -d @"$HANDSHAKE")

            fi


            RX=$(wg show "$iface" transfer | grep "$peer" | awk '{print $2}')

            TX=$(wg show "$iface" transfer | grep "$peer" | awk '{print $4}')


            echo "Peer: $peer"

            echo "  Endpoint      : $ENDPOINT"
```

```
echo " Last Handshake : $LAST_HANDSHAKE"
```

```
echo " Transfer (RX/TX) : $RX / $TX"
```

```
echo ""
```

```
done
```

```
fi
```

```
done
```