

# Disk Space Monitoring Script to HA

Download Script `proxmox_subscription_autofix.sh`

? One-Line Download & Execute

```
clear && curl -fsSL https://docs.greenhome.stream/attachments/23 -o
monitor_disk_space_to_ha.sh && chmod +x os-update.sh
```

## Create the script file.

Disk Space Monitoring Script and inform Home Assistant with an entity.

```
nano monitor_disk_space_to_ha.sh
```

and copy / paste the below code inside the script file **monitor\_disk\_space\_to\_ha.sh**

```
# Home Assistant Settings
url_base="https://<your domain>/api/states"
token="IsImlcwNzIz0TE0MyoxNzA3MjM5MTR9..."

# Server name
srv_name="vps_server"

# Constants for device info
DEVICE_IDENTIFIERS='["amnisia_server"]'
DEVICE_NAME="Server Disk Space Monitor"
DEVICE_MANUFACTURER="Amnisia"
DEVICE_MODEL="Disk Monitor"

# Function to send data to Home Assistant
send_to_ha() {
    local sensor_name=$1
    local value=$2
    local friendly_name=$3
    local icon=$4
```

```

local unique_id=$5
local url="${url_base}/${sensor_name}"
local
device_info="{\"identifiers\":${DEVICE_IDENTIFIERS},\"name\": \"${DEVICE_NAME}\",\"manufacturer
\": \"${DEVICE_MANUFACTURER}\",\"model\": \"${DEVICE_MODEL}\"}"
local
payload="{\"state\": \"${value}\",\"attributes\": {\"friendly_name\": \"${friendly_name}\",\"icon
\": \"${icon}\",\"device\": ${device_info}}}"
curl -X POST -H "Authorization: Bearer ${token}" -H 'Content-Type: application/json' --data
"${payload}" "${url}"
}

# Function to check disk space
check_disk_space() {
    # Get disk space usage and free space
    disk_usage_kb=$(df / | awk 'NR==2 {print $3}') # Used space in KB
    disk_free_kb=$(df / | awk 'NR==2 {print $4}') # Free space in KB

    # Convert KB to GB
    disk_usage_gb=$(df / | awk 'NR==2 {printf "%.2f", $3/1024/1024}') # Used space in GB
    disk_free_gb=$(df / | awk 'NR==2 {printf "%.2f", $4/1024/1024}') # Free space in GB
    # Send disk usage and free space to Home Assistant
    send_to_ha "sensor.${srv_name}_disk_usage" "${disk_usage_gb}" "Disk Used Space (GB)"
    "mdi:harddisk" "${srv_name}_disk_usage"
    send_to_ha "sensor.${srv_name}_disk_free" "${disk_free_gb}" "Disk Free Space (GB)"
    "mdi:harddisk" "${srv_name}_disk_free"
}

# Run the function to check disk space
check_disk_space

```

## Download the script.

Attachment link : [monitor disk space to ha.sh](#)

**InsOmnia**

