

# Shell

- Exemple de script bash regroupant des bonnes pratiques

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**Source :** *Advanced Scripting Techniques in Linux Shell Scripting - DEV Community.*

```
# A script to scrape a website and extract data
#!/bin/bash

# Define a log function
log() {
    echo "[INFO] $1"
}

# Define a cleanup function
cleanup() {
    log "Cleaning up temporary files..."
    rm -f /tmp/*.html
}

# Trap the EXIT signal and call the cleanup function
trap cleanup EXIT

# Check if curl is installed
log "Checking if curl is installed..."
if ! command -v curl &> /dev/null; then
    log "curl is not installed. Exiting."
    exit 1
fi

# Download the website
log "Downloading the website..."
curl -s -o /tmp/website.html https://example.com
```

```
# Check if the download was successful
log "Checking if the download was successful..."
if [ $? -ne 0 ]; then
    log "An error occurred while downloading the website. Exiting."
    exit 1
fi

# Extract the data
log "Extracting the data..."
grep -o '<h1>.*</h1>' /tmp/website.html | sed 's/<[^>]*>//g' > /tmp/data.txt

# Check if the extraction was successful
log "Checking if the extraction was successful..."
if [ $? -ne 0 ]; then
    log "An error occurred while extracting the data. Exiting."
    exit 1
fi

# Display the data
log "Displaying the data..."
cat /tmp/data.txt

# Exit with success
log "Script completed successfully."
exit 0
```