

Publik - Signature-Bash - # 3

Signature-Bash

```
#!/bin/bash

# origine de la requête (~ identifiant)
orig="foobar"
# clé à utiliser pour la requête (~ mot de passe)
key="XXX"

# cmd arg, exemple "https://demarches.example.net/api/formdefs/"
url=$1

qs=$(echo $url | cut -d? -f2)
url=$(echo $url | cut -d? -f1)

function rawurlencode() {
    local string="${1}"
    local strlen=${#string}
    local encoded=""
    local pos c o

    for (( pos=0 ; pos<strlen ; pos++ )); do
        c=${string:$pos:1}
        case "$c" in
            [_.~a-zA-Z0-9] ) o="$c" ;;
            * ) printf -v o '%%%02x' "$c"
        esac
        encoded+="${o}"
    done
    echo "${encoded}"    # You can either set a return variable (FASTER).
    REPLY="${encoded}"  #+or echo the result (EASIER)... or both... :p
}

d=$(date -u +%FT%TZ);

sig=$(rawurlencode $(echo -n "$qs&algo=sha256&timestamp=$d&orig=$orig" | openssl dgst -binary -sha
256 -hmac $key | base64))

url="${url}?$qs&algo=sha256&timestamp=$d&orig=$orig&signature=$sig"
echo "URL: $url"
```