

xmllint

- [Using xmllint for Interactive xml file explore and update](#)
 - [Download example xml](#)
 - [Example xml fragment](#)
 - [Search and update XML using xmllint interactive shell](#)
 - [Search in XML](#)
 - [Display XM key](#)
 - [Display XML Section](#)
 - [Update XML Key](#)
 - [xmllint shell commands](#)
 - [output](#)
 - [check results](#)
 - [updated xml fragment](#)
- [Bash one line commands to update XML using xmllint shell feature](#)
 - [Search](#)
 - [Update single key by path](#)
 - [Display](#)
 - [Display section](#)

Using xmllint for Interactive xml file explore and update

Download example xml

```
mkdir xml
cd xml/
wget https://www.w3schools.com/xml/cd_catalog.xml
xmllint --shell cd_catalog.xml
```

Example xml fragment

cd_catalog.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<CATALOG>
  <CD>
    <TITLE>Empire Burlesque</TITLE>
    <ARTIST>Bob Dylan</ARTIST>
    <COUNTRY>USA</COUNTRY>
    <COMPANY>Columbia</COMPANY>
    <PRICE>10.90</PRICE>
    <YEAR>1985</YEAR>
  </CD>
  <CD>
    <TITLE>Hide your heart</TITLE>
    <ARTIST>Bonnie Tyler</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>CBS Records</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1988</YEAR>
  </CD>
  ...
  <CD>
    <TITLE>Unchain my heart</TITLE>
    <ARTIST>Joe Cocker</ARTIST>
    <COUNTRY>USA</COUNTRY>
    <COMPANY>EMI</COMPANY>
    <PRICE>8.20</PRICE>
    <YEAR>1987</YEAR>
  </CD>
</CATALOG>
```

Search and update XML using xmlint interactive shell

```
xmlint --shell cd_catalog.xml
```

Search in XML

```
grep heart
```

```
/CATALOG/CD[2]/TITLE : tan 15 Hide your heart  
/CATALOG/CD[26]/TITLE : t-- 16 Unchain my heart
```

Display XM key

```
cat /CATALOG/CD[26]/TITLE
```

```
-----  
<TITLE>Unchain my heart</TITLE>
```

Display XML Section

```
cat /CATALOG/CD[26]
```

```
<CD>  
  <TITLE>Unchain my heart</TITLE>  
  <ARTIST>Joe Cocker</ARTIST>  
  <COUNTRY>USA</COUNTRY>  
  <COMPANY>EMI</COMPANY>  
  <PRICE>8.20</PRICE>  
  <YEAR>1987</YEAR>  
</CD>
```

Update XML Key

xmlint shell commands

```
cd /CATALOG/CD[26]/TITLE  
set New test title name  
save  
quit
```

output

```
/ > cd /CATALOG/CD[26]/TITLE
TITLE > set New test title name
TITLE > save
TITLE > quit
```

check results

```
cat cd_catalog.xml |tail -n 10
```

updated xml fragment

```
</CD>
<CD>
  <TITLE>New test title name</TITLE>
  <ARTIST>Joe Cocker</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>EMI</COMPANY>
  <PRICE>8.20</PRICE>
  <YEAR>1987</YEAR>
</CD>
</CATALOG>
```

Bash one line commands to update XML using xmllint shell feature

```
#rm cd_catalog.xml
wget https://www.w3schools.com/xml/cd_catalog.xml
```

Search

```
echo -e "grep heart"|xmllint --shell cd_catalog.xml
```

```
/ > /CATALOG/CD[2]/TITLE : tan      15 Hide your heart
/CATALOG/CD[26]/TITLE : t--      16 Unchain my heart
```

Update single key by path

```
echo -e "cd /CATALOG/CD[26]/TITLE\nset New test title name\nsave"|xmllint --shell cd_catalog.xml
```

Display

```
echo -e "cat /CATALOG/CD[26]/TITLE"|xmllint --shell cd_catalog.xml
```

```
/ > -----
<TITLE>New test title name</TITLE>
```

Display section

```
echo -e "cat /CATALOG/CD[26]"|xmllint --shell cd_catalog.xml
```

```
/ > -----  
<CD>  
  <TITLE>New test title name</TITLE>  
  <ARTIST>Joe Cocker</ARTIST>  
  <COUNTRY>USA</COUNTRY>  
  <COMPANY>EMI</COMPANY>  
  <PRICE>8.20</PRICE>  
  <YEAR>1987</YEAR>  
</CD>
```