

# Chapter 8 - Advanced Use

## Table of content

- [Advanced Use](#)
  - [Rendering Options](#)
    - [Include all fields from the "products" resource](#)
    - [Include only the ID of all carriers](#)
    - [Only include the "name" and "value" fields from the "configurations" resource](#)
  - [Rendering Filters](#)
    - [Only include the first and last names of customers "customers" whose ids are 1 or 5](#)
    - [Only include the last names of customers "customers" whose ids are between 1 and 10](#)
    - [Only include the birthday of clients whose name is "John" and whose last name is "Doe"](#)
    - [Only include the names of manufacturers "manufacturers" whose name begins with "App"](#)
  - [Sorting Filters](#)
    - [Filter the customers "customers" in alphabetical order according to last name](#)
  - [Filters to limit rendering](#)
    - [Only include the first 5 states "states"](#)
    - [Only include the first 5 elements starting from the 10th element from the states resource "states"](#)

## Advanced Use

### Rendering Options

#### Include all fields from the "products" resource

URL: (Store URL)/api/products/?display=full

PHP:

```
$opt = array(  
    'resource' => 'products',  
    'display' => 'full'  
);
```

#### Include only the ID of all carriers

URL: (Store URL)/api/carriers/?display=[id]

PHP :

```
$opt = array('resource' => 'carriers', 'display' => '[id]');
```

#### Only include the "name" and "value" fields from the "configurations" resource

URL: (Store URL)/api/configurations/?display=[name,value]

PHP:

```
$opt = array(  
    'resource' => 'configurations',  
    'display' => '[name,value]'  
);
```

### Rendering Filters

#### Only include the first and last names of customers "customers" whose ids are 1 or 5

URL: (Store URL)/api/customers/?display=[firstname,lastname]&filter[id]=[1|5]

PHP:

```
$opt = array(
    'resource' => 'customers',
    'display' => '[firstname,lastname]',
    'filter[id]' => '[1|5]'
);
```

**Only include the last names of customers "customers" whose ids are between 1 and 10**

URL: (Store URL)/api/customers/?display=[lastname]&filter[id]=[1,10]

PHP:

```
$opt = array(
    'resource' => 'customers',
    'display' => '[lastname]',
    'filter[id]' => '[1,10]'
);
```

**Only include the birthday of clients whose name is "John" and whose last name is "Doe"**

URL: (Store URL)/api/customers/?display=[birthday]&filter[firstname]=[John]&filter[lastname]=[DOE]

PHP:

```
$opt = array(
    'resource' => 'customers',
    'display' => '[birthday]',
    'filter[firstname]' => '[John]',
    'filter[lastname]' => '[DOE]'
);
```

**Only include the names of manufacturers "manufacturers" whose name begins with "Appl"**

URL: (Store URL)/api/manufacturers/?display=[name]&filter[name]=[appl]%

PHP:

```
$opt = array(
    'resource' => 'manufacturers',
    'display' => '[name]',
    'filter[name]' => '[appl]%'
);
```

## Sorting Filters

**Filter the customers "customers" in alphabetical order according to last name**

URL: Store URL/api/customers?display=full&sort=[lastname\_ASC]

PHP:

```
$opt = array(
    'resource' => 'customers',
    'display'  => 'full',
    'sort'     => '[lastname_ASC]'
);
```

## Filters to limit rendering

**Only include the first 5 states "states"**

URL: (Store URL)/api/states/?display=full&limit=5

PHP:

```
$opt = array(
    'resource' => 'states',
    'display'  => 'full',
    'limit'    => '5'
);
```

**Only include the first 5 elements starting from the 10th element from the states resource "states"**

URL: (Store URL)/api/states/?display=full&limit=9,5

PHP:

```
$opt = array(
    'resource' => 'states',
    'display'  => 'full',
    'limit'    => '9,5'
);
```