

# Chapter 8 - Advanced Use

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## 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 "carriers"**

URL: (Store URL)/api/products/

PHP :

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

**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 between 1 and 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 first and 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' );
```