

HERE Maps API - Short introduction to observable lists

The OList class in HERE Maps API is used to provide an observable list. In this article we show how to create the list and how to perform some operations on it.

```
new nokia.maps.util.OList ([elements])
```

Prerequisites

HERE Maps API supported web browser (basically any modern web browser)

Important note about maps credentials

Nokia provides several services options within the Maps API offering. The service is free to use, but you must obtain and use authentication and authorization credentials to use the services. Please read the [Terms and Conditions](#) and check the [Pricing Plans page](#) to decide which business model best fits your needs. Authentication requires unique Maps API credentials, namely an AppId and a token. You can get these credentials free for free following the instructions [here](#)

Implementation

The list can be manipulated by adding and removing items on it, and queries can be performed for e.g. the length of the list.

To create a new list:

```
mylist = new nokia.maps.util.OList();
```

To add to the list (e.g. three coordinates)

```
mylist.add([53.1]);  
mylist.add([13.1]);  
mylist.add([23.1]);
```

Query the length of a list:

```
mylist.getLength();
```

This would return amount of "3" items as its result.

To clear the list from items:

```
mylist.clear();
```

The result of getLength() for the list would return zero/no items:

```
mylist.getLength();
```

The list can be enabled with an Observer.

```
addObserver (callback, [context])
```

To register a new observer.

API Reference definition:

Parameters: {Function} callback The callback which will be invoked after the list was modified with following arguments: (OList) oList - the OList instance itself (String) method - the name of the method which caused the triggering (Variant) element - the element which was added or deleted (Number) idx - the index of the concerned element

The callback can signalize that a rollback has occurred by returning true.

{Object} [context]: The context to use when the callback will be invoked.

Example code

A working example can be found at:

http://rawgithub.com/heremaps/examples/master/maps_api_for_javascript/advanced-examples/olist.html 

For more on the HERE Maps API

Please check out the HERE Maps API full documentation and API reference here:

- [HERE Maps API](#) 

You may also access the interactive API explorer

- [API explorer](#) 