# Introduction to Landscape Mode

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# Introduction to Landscape Mode - Agenda

- Cordova and landscape setting

- Orientation Event Listener

- Highchart in Landscape mode

# cordova and landscape setting

Apache Cordova is an open-source mobile development framework. It allows you to use standard web technologies - HTML5, CSS3, and JavaScript for cross-platform development. Applications execute within wrappers targeted to each platform, and rely on standards-compliant API bindings to access each device's capabilities such as sensors, data, network status, etc.

# cordova and landscape setting

Orientation (string) -

Default: default

Allowed values: default, landscape, portrait

Allows you to lock orientation and prevent the interface from rotating in response to changes in orientation.

```
<preference name="Orientation" value="landscape" />
```

reference - https://cordova.apache.org/docs/zh-tw/latest/config_ref/

```
46    var schemeSetting = "<string>appqplay" + appNameDecorate + "</string><string>appeis" + appNameDecorate + "</string>";
47
48    var configContent =   '<?xml version="1.0" encoding="utf-8"?>' +
49                          '<widget id="com.qplay.appeis" + appNameDecorate + '" android-versionCode="' + vcode + '" ios-CFBundleV
50                              'version="' + vname + '[' + appVersionDecorate + ']" xmlns="http://www.w3.org/ns/widgets" xmlns:cdv=
51                              '<name>EIS</name>' +
52                              '<description>' +
53                                  'A sample Apache Cordova application that responds to the deviceready event.' +
54                              '</description>' +
55                              '<author email="dev@cordova.apache.org" href="http://cordova.io">' +
56                                  'Apache Cordova Team' +
57                              '</author>' +
58                              '<content src="index.html" />' +
59                              '<preference name="Orientation" value="default" />' +
60                              '<access origin="*" />' +
61                              '<access origin="tel:*" launch-external="yes" />' +
62                              '<allow-navigation href="*" />' +
63                              '<allow-intent href="http://*/*" />' +
64                              '<allow-intent href="https://*/*" />' +
65                              '<allow-intent href="tel:*" />' +
66                              '<allow-intent href="sms:*" />' +
67                              '<allow-intent href="mailto:*" />' +
68                              '<allow-intent href="geo:*" />' +
69                              '<allow-intent href="appqplay" + appNameDecorate + ':*" />' +
70                              '<allow-intent href="*:*" />' +
71                              '<platform name="android">' +
72                                  '<allow-intent href="market:*" />' +
73                                  '<preference name="AndroidLaunchMode" value="singleTask"/>' +
74                                  //'<preference name="AndroidPersistentFileLocation" value="Compatibility" />' +
75                              '</platform>' +
76                              '<platform name="ios">' +
77                                  '<hook type="before_compile" src="hooks/xcode8.js" />' +
78                                  '<allow-intent href="itms:*" />' +
79                                  '<allow-intent href="itms-apps:*" />' +
80                                  //'<preference name="iosPersistentFileLocation" value="Compatibility" />' +
81                              '</platform>' +
82                              '<plugin name="cordova-connectivity-monitor" spec="~1.2.2" />' +
83                          '</widget>';
84
```

# orientation Event Listener

```javascript
260 ▼ window.addEventListener("onorientationchange" in window ? "orientationchange" : "resize", function() {
261       if (window.orientation === 180 || window.orientation === 0) {
262           /* do something when device is in portraint mode */
263       }
264
265       if(window.orientation === 90 || window.orientation === -90 ) {
266           /* do something when device is in landscape mode */
267       }
268 }, false);
```

# Highchart in Landscape mode

```
31        <div class="hc-fragment" id="viewHitRate-hc-canvas" style="height:38VH">
32        </div>
33        <div class="hc-fragment-landscape" id="viewHitRate-hc-landscape-canvas">
34        </div>
```

```
312            options.chart.renderTo = "viewHitRate-hc-canvas";
313            chart = new Highcharts.Chart(options);
314            options.chart.renderTo = "viewHitRate-hc-landscape-canvas";
315            chartLandscape = new Highcharts.Chart(options);
316            chartLandscape.legend.update({itemStyle: {fontSize: 14}, align: "center"});
```

```
219  function zoomInChart() {
220      if(screen.width < screen.height) {
221          chartLandscape.setSize(screen.height, screen.width*0.8, false);
222      }else {
223          chartLandscape.setSize(screen.width, screen.height*0.8, false);
224      }
225  }
```

# Highchart in Landscape mode