

# Mobile.GetLocation

<b>Method</b>	<b>GetLocation</b>
<b>Module</b>	Mobile
<b>Library</b>	Core
<b>Action</b>	Get the physical location of this device in terms of longitude, latitude and altitude.
<b>Parameters</b>	(None)
<b>Return values</b>	<p><b>Latitude (string):</b> The latitude of this device as a value between 180.00 and -180.00 degrees. For example a latitude of 51.511658 equates to 51 degrees, 30 minutes and 42 seconds North.</p> <p><b>Longitude (string):</b> The longitude of this device as a value between 180.00 and -180.00 degrees. For example a longitude of -0.3130263 equates to 0 degrees, 18 minutes and 46.9 seconds West.</p> <p><b>Altitude (string) :</b> The altitude of this device in meters above the World Geodetic System (WGS) 84 reference ellipsoid, which is a mathematically defined surface that approximates to the figure of the Earth.</p>
<b>Example</b>	<pre>Mobile.GetLocation();</pre>
<b>Platforms</b>	<ul style="list-style-type: none"><li>• Android, excluding Android 8+.</li></ul>
<b>Notes</b>	<p>The Tachyon Agent uses the GPS and network providers to supply current location data. These providers differ in accuracy (especially for <code>Altitude</code>), power consumption (GPS provider is more energy intensive), and speed of location acquisition (network provider is faster). For full accuracy GPS Services should be enabled on the device.</p> <p>Currently we subscribe to updates with a minimum interval of 1 second and a minimum distance of 1 metre. These figures will be revised should this configuration prove too CPU-intensive.</p> <p>If both providers return locations then the most recent location fix is always preferred and returned by the method.</p>