## Mars weather API

<http://marsweather.ingenology.com/> (e.g. <http://marsweather.ingenology.com/v1/archive/>)

## ExoAPI

<http://exoapi.com/> (e.g. <http://exoapi.com/api/skyhook/planets/search?habitable=1>)

## ISS location API

<http://open-notify.org/Open-Notify-API/ISS-Location-Now/> (e.g. <http://api.open-notify.org/iss-now.json>)

## Chart API

google.load('visualization', '1.0', { 'packages': ['corechart'] });

google.setOnLoadCallback(function() {

$.ajax({

url: "@Url.Action("HttpRequestSync", new { url = *api\_call* })"

}).success(*function\_to\_render\_data*);

});

* <https://developers.google.com/chart/>
* <https://developers.google.com/chart/interactive/docs/gallery/barchart>

## Earth API

var ge;

google.load("earth", "1", { "other\_params": "sensor=false" });

function init() { google.earth.createInstance('map3d', initCB); }

function initCB(instance) {

ge = instance;

ge.getWindow().setVisibility(true);

*(Make call to api, call showMap with returned data)*

}

function showMap(data) {

ge.getOptions().setMapType(*map\_type*);

setTimeout(function () {

*(Parse data here)*

// Create location object

var lookAt = ge.getView().copyAsLookAt(ge.ALTITUDE\_RELATIVE\_TO\_GROUND);

lookAt.setLatitude(*some\_latitude*);

lookAt.setLongitude(*some\_longitude*);

// Zoom to point

var oldFlyToSpeed = ge.getOptions().getFlyToSpeed();

ge.getOptions().setFlyToSpeed(.2); // Slow down the camera flyTo speed.

ge.getView().setAbstractView(lookAt);

ge.getOptions().setFlyToSpeed(oldFlyToSpeed);

}, 1000); // Start the zoom-in after one second.

}

google.setOnLoadCallback(init);

* <http://www.google.com/earth/explore/products/plugin.html>
* <https://developers.google.com/earth/documentation/index>
* <https://developers.google.com/earth/documentation/sky_mars_moon>
* <http://earth-api-samples.googlecode.com/svn/trunk/examples/placemark-point.html>
* <http://earth-api-samples.googlecode.com/svn/trunk/examples/event-placemark.html>

## HTTP request helper

$.ajax({

url: "@Url.Action("HttpRequestSync", new { url = *some\_url* })"

}).success(*some\_function*);

## Parse JSON response

JSON.parse(data)

## Create a placemark (pin)

var placemark = ge.createPlacemark('');

ge.getFeatures().appendChild(placemark);

var point = ge.createPoint('');

point.setLatitude(*some\_latitude*);

point.setLongitude(*some\_longitude*);

placemark.setGeometry(point);

## Location of resources

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