

Geolocation Basics



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Latitude and Longitude



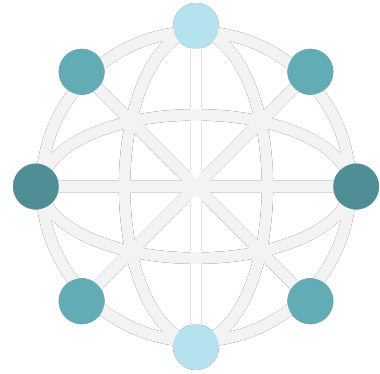
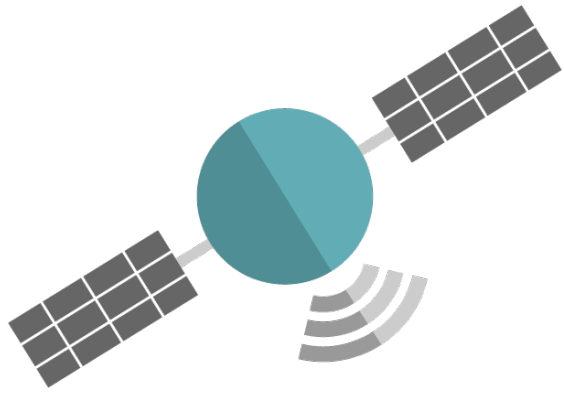
47° 38' 34" N, 122° 32' 32" W

Latitude: 47 degrees, 38 minutes and 34 seconds

Longitude: 122 degrees, 32 minutes and 32 seconds

47.64, -122.54

Getting Your Location



Accuracy: 47 meters

The `getCurrentPosition` Method

```
navigator.geolocation.getCurrentPosition(displayLocation);
```

About

News

May 12, 2015 - Feature suggestions now handled by GitHub issues

Compare browsers

Index

Can I use geolocation ? [Settings](#)

1 result found

Geolocation - CR

Global

91.14% + 0.01% = 91.15%

Method of informing a website of the user's geographical location

Current aligned

Usage relative

Show all

IE / Edge	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
8							4.1	
9		31					4.3	
10		42					4.4	
11	38	43	7.1		7.1		4.4.4	
Edge	39	44	8	30	8.4	8	40	42
	40	45	9	31	9			
	41	46		32				
	42	47						

Notes

Known issues (3)

Resources (6)

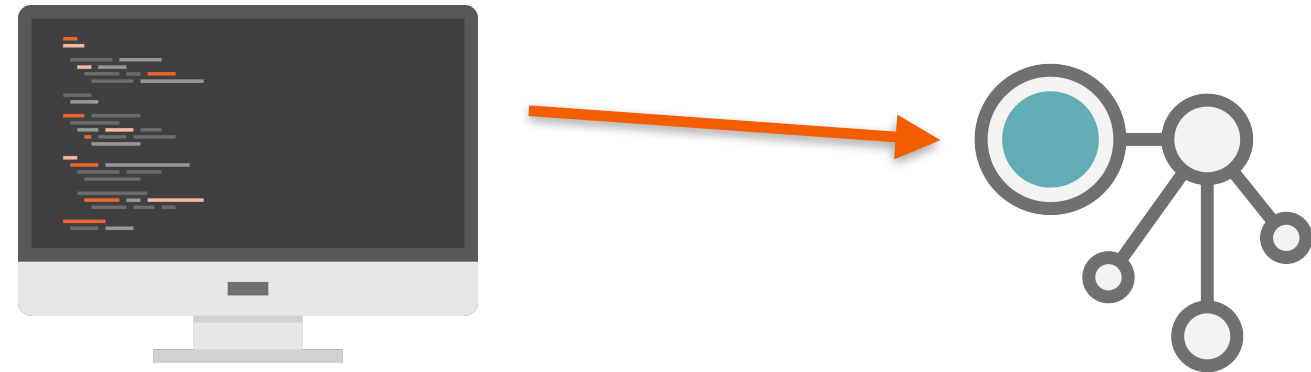
Feedback

The getCurrentPosition Method

```
navigator.geolocation.getCurrentPosition(displayLocation);  
  
function displayLocation(position) {  
    ...  
}
```

Asynchronous Execution

```
...getCurrentPosition(displayLocation);
```



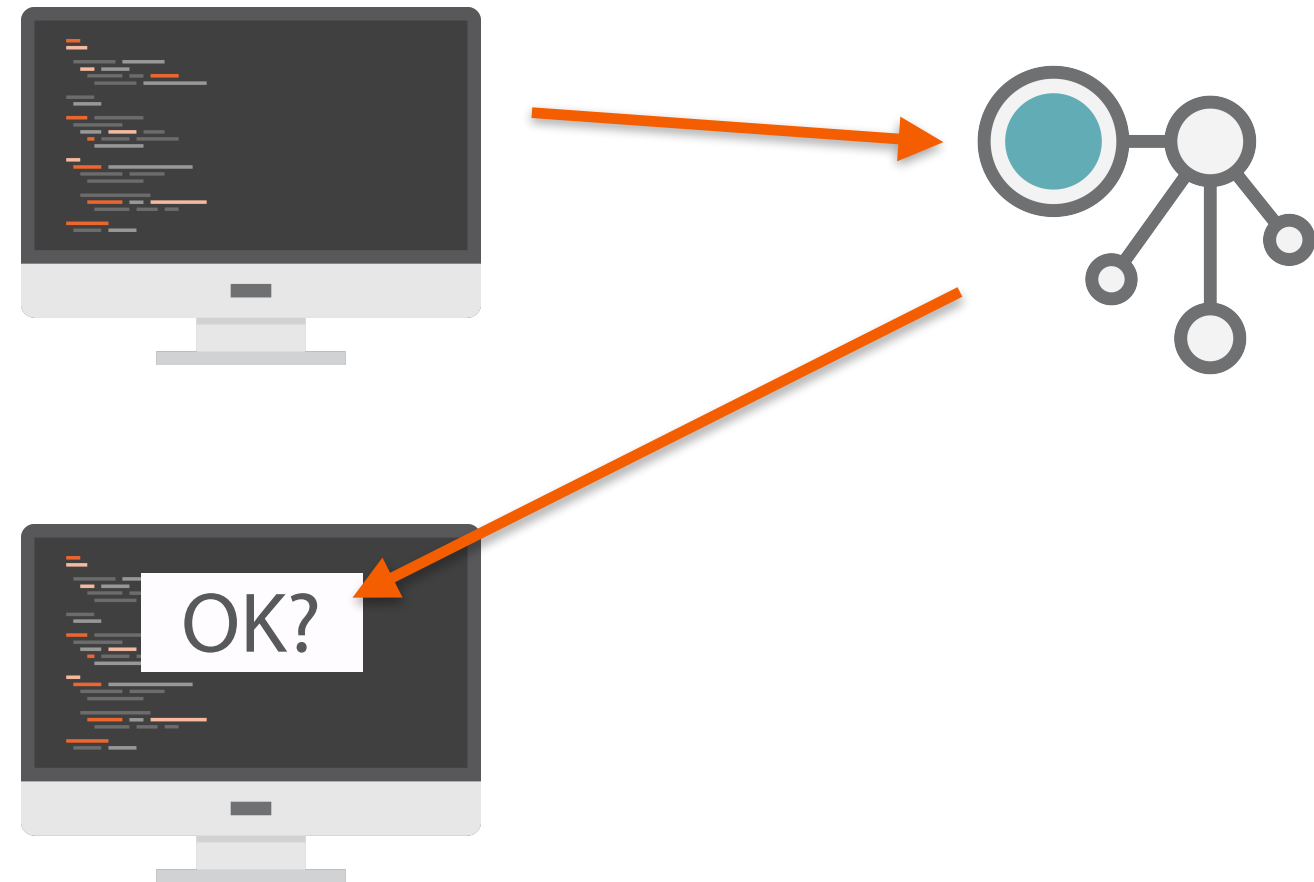
```
function displayLocation(position) {
```

```
    ...
```

```
}
```

Asynchronous Execution

```
...getCurrentPosition(displayLocation);
```



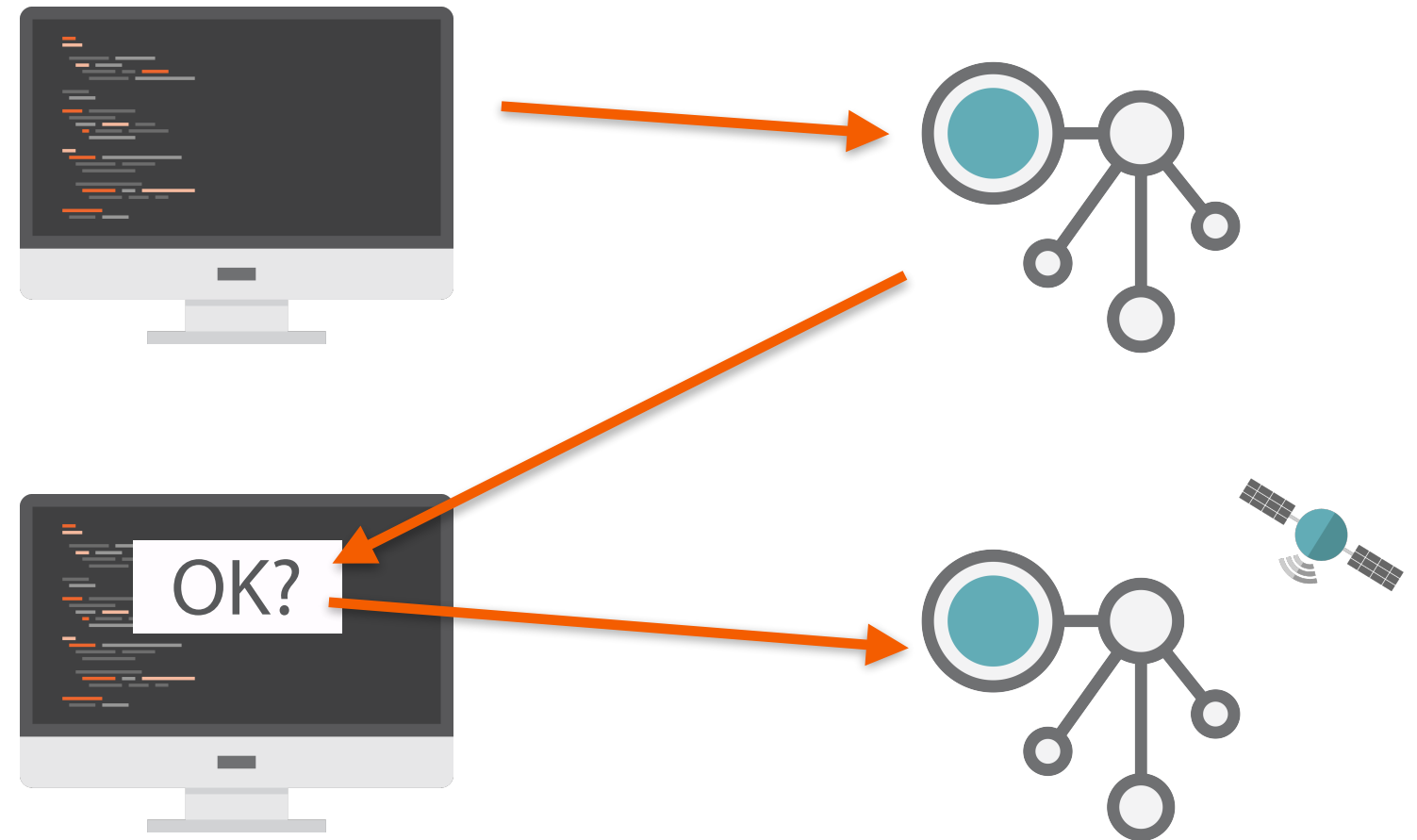
```
function displayLocation(position) {
```

```
...
```

```
}
```


Asynchronous Execution

```
...getCurrentPosition(displayLocation);
```



```
function displayLocation(position) {
```

```
...
```

```
}
```

Asynchronous execution

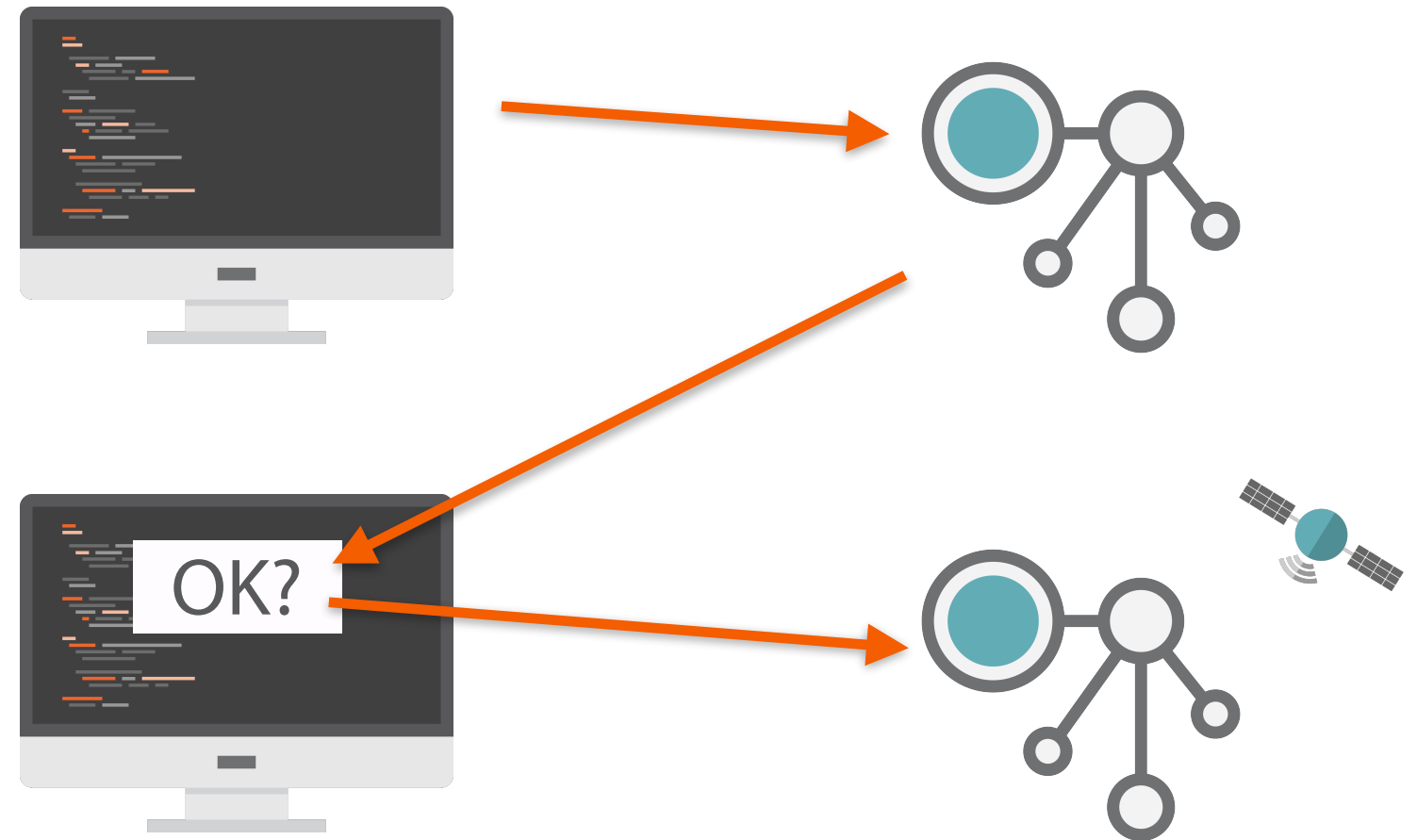
```
...getCurrentPosition(displayLocation);
```

```
// run other code
```

```
function displayLocation(position) {
```

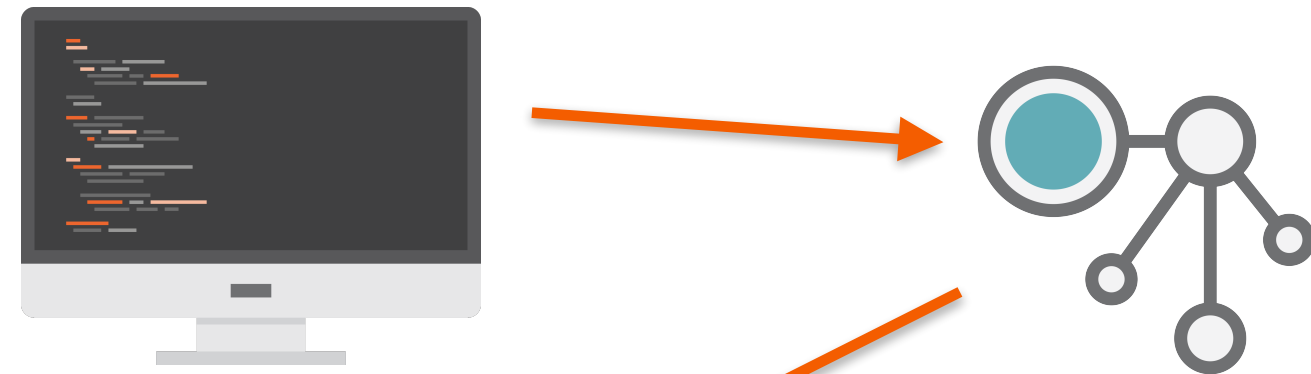
```
...
```

```
}
```



Asynchronous Execution

```
...getCurrentPosition(displayLocation);
```



```
function displayLocation(position) {
```

```
...
```

```
}
```



position

```
function displayLocation(position) {
```

```
    ...
```

```
}
```

```
    position.coords.latitude
```

```
    position.coords.longitude
```

```
    position.coords.accuracy
```

```
    position.timestamp
```



Handling Errors

```
navigator.geolocation.getCurrentPosition(displayLocation,  
                                         displayError);
```

```
function displayLocation(position) {  
    ...  
}
```

```
function displayError(error) {  
    ...  
}
```

Errors

```
function displayError(error) {  
    ...  
}
```

1: Permission denied (by user)

2: Position unavailable

3: Timeout

code

message



Summary



getCurrentPosition

Success and error functions

position object

error object

How the browser determines your location