

Hello Firefox OS !!!

What is it?

- A mobile operating system
- Build on Linux and Gecko rendering engine
- Open source
- Apps are developed with Open Web Technologies

Prerequisite

- HTML5
- CSS
- Javascript

Environment Setup

**To start with, following
things are not needed**

- Guess what? No SDK !!!
- No particular IDE

So?

- Firefox Browser
- [Firefox Emulator](#)
- [ADB Helper](#)(optional)
- A Text Editor

Hello World !!!

- A HTML file
- [manifest.webapp](#)

```
1  {
2      "version": "1.0",
3      "name": "HelloFirefoxOS",
4      "description": "Demonstrate how a Hello World should look like.",
5      "launch_path": "/index.html",
6      "icons": {
7          "16": "/images/ic_016.png",
8          "32": "/images/ic_032.png",
9          "48": "/images/ic_048.png",
10         "128": "/images/ic_128.png"
11     },
12     "developer": {
13         "name": "Mahfuz Islam Bhuiyan",
14         "url": "http://www.someSiteName.com"
15     },
16     "default_locale": "en"
17 }
```

Developing Lifecycle

Location

Web Service Invoking

Web Activities

Storage

- localStorage
- IndexedDB
- External Storage

Sensors

```
battery.addEventListener('chargingchange', function() {  
    console.log("Battery charging? " + battery.charging ? "Yes" : "No");  
});
```

```
battery.addEventListener('levelchange', function() {  
    console.log("Battery level: " + battery.level * 100 + " %");  
});
```

```
window.addEventListener('devicelight', function(event) {  
  
    var value = event.value;  
  
    console.log(value); //Shows the current light value  
  
    document.body.style.backgroundColor = value < 50 ? "#FFFFFF" : "#000000"  
  
});
```

Publish to Marketplace

- <https://marketplace.firefox.com/>
- Signing Up for marketplace is free
- No yearly charge
- Usually takes 2-7 days to publish

- name & description fields of manifest must be provided
- 60x60px and 128x128px icon

Where to go next?

- https://developer.mozilla.org/en-US/Firefox_OS
- <http://buildingfirefoxos.com/>

Thanks