



# Web debug and node.js inspection

## Debug the web everywhere

Etienne Margraff

Web dev @Microsoft - Vorlon.js creator

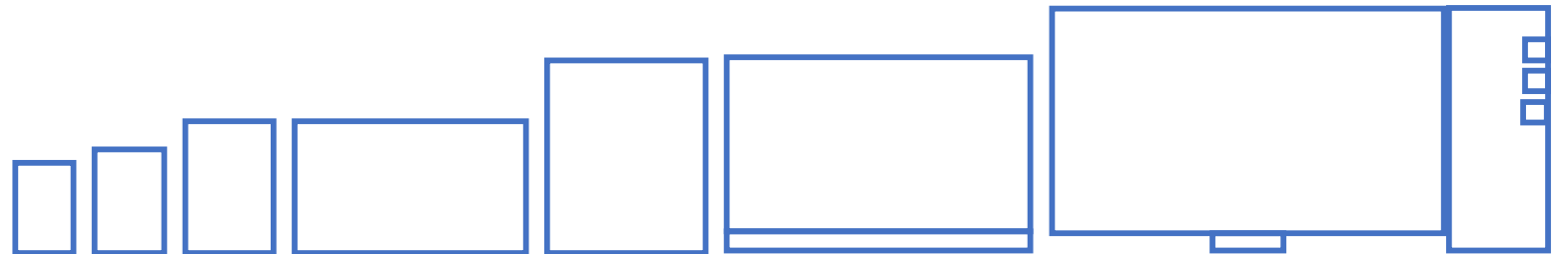
@meulta

# THE web ;)

Adaptive

Cross-platforms

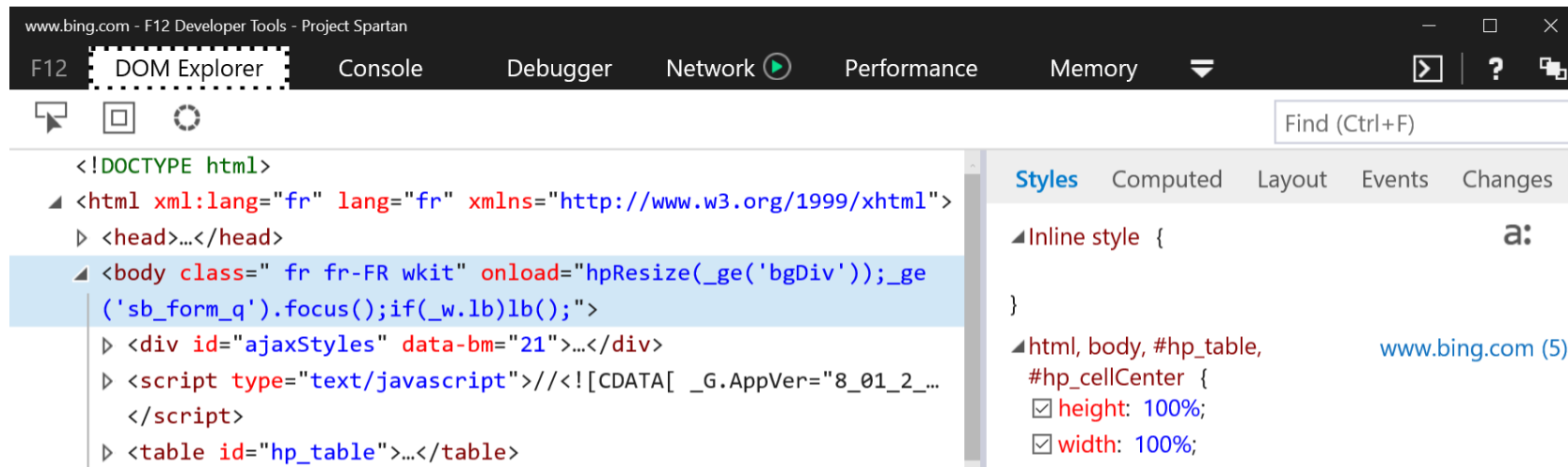
Standard



# How to debug?

F12

console.log



The screenshot shows the Chrome DevTools interface. The top bar includes the address bar with 'www.bing.com - F12 Developer Tools - Project Spartan' and navigation icons. The main toolbar contains tabs for 'F12', 'DOM Explorer', 'Console', 'Debugger', 'Network', 'Performance', and 'Memory'. The 'DOM Explorer' tab is active, displaying the HTML structure of the page. The 'Styles' panel is also visible on the right, showing the 'Inline style' and 'Computed' styles for the selected element. The 'Inline style' panel shows a style for 'a:' with a height of 100% and width of 100%. The 'Computed' panel shows styles for 'html, body, #hp\_table, #hp\_cellCenter' with a height of 100% and width of 100%.

```
www.bing.com - F12 Developer Tools - Project Spartan
F12 DOM Explorer Console Debugger Network Performance Memory
Find (Ctrl+F)
<!DOCTYPE html>
<html xml:lang="fr" lang="fr" xmlns="http://www.w3.org/1999/xhtml">
  <head>...</head>
  <body class=" fr fr-FR wkit" onload="hpResize(_ge('bgDiv'));_ge('sb_form_q').focus();if(_w.lb)lb();">
    <div id="ajaxStyles" data-bm="21">...</div>
    <script type="text/javascript">...</script>
    <table id="hp_table">...</table>
```

# What about mobile?

Proprietary tools

WeinRe



<http://vorlonjs.io>

## Remote, cross-platform and open-source Web debugging tool



- ✓ Node.js
- ✓ Express.js
- ✓ Socket.io
- ✓ Passport.js

# Collaborative demo!



<http://bit.ly/vorlonRennes>

How to use Vorlon?

# Step 1 – Server install

```
npm install -g vorlon  
vorlon
```

or clone/fork

<http://github.com/microsoftdx/vorlonjs>

or auto deploy vers Azure

or use the Docker container



## Step 2 – Add one line to your website

```
<script src="http://localhost:1337/vorlon.js"></script>
```

And that's all...

# And it can be simpler!



Vorlon proxy allows you to use Vorlon on an existing website. Just enter the website url, and click on the button. Couldn't be easier !

Please note that, for now, the proxy will not work with websites using https.

Demo !

# Node.js inspection ?

```
npm install vorlon-node-wrapper
```

First add the wrapper

# Node.js inspection

```
var vorlon = require("vorlon-node-wrapper");  
  
vorlon.start(  
  "http://votreInstanceVorlon/",  
  "default",  
  false  
);
```

Use the wrapper **synchronously**

# Node.js inspection

```
vorlon.start(  
  "http://votreInstanceVorlon/",  
  "default",  
  true,  
  function() {  
    //Vorlon connected  
  }  
);
```

Or do it `async`

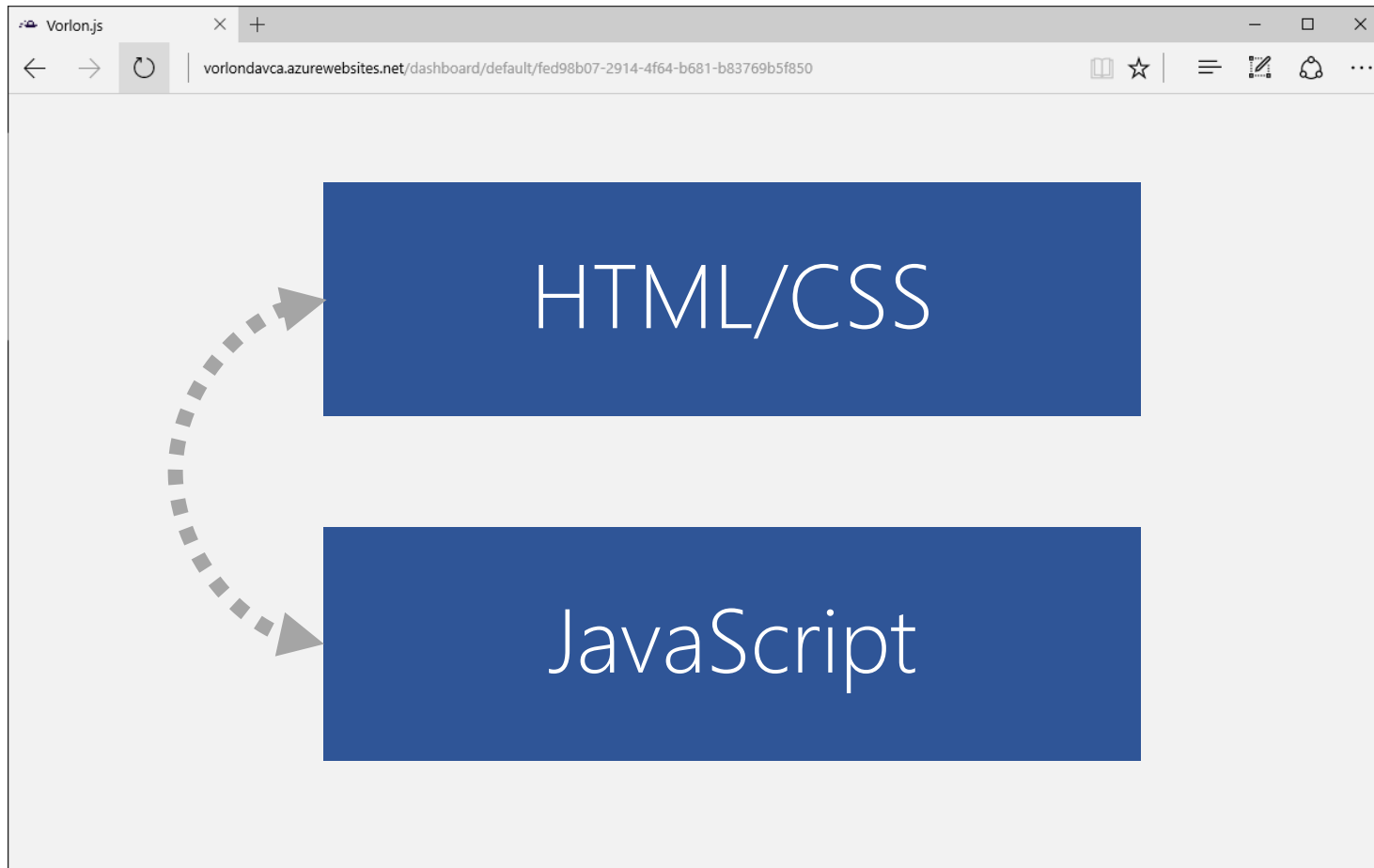
Demo !

How to create a plugin ?

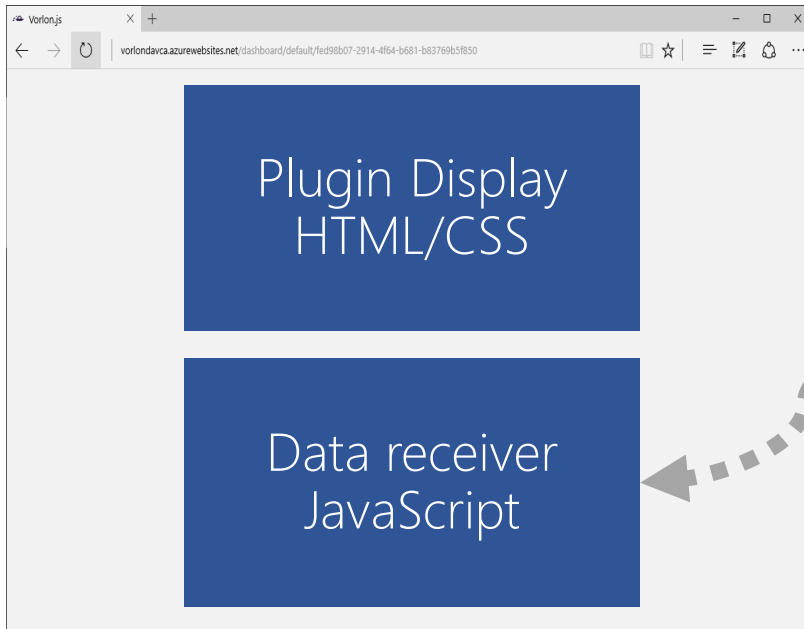


How to **create** a plugin  
<http://bit.ly/vorlonplugin>

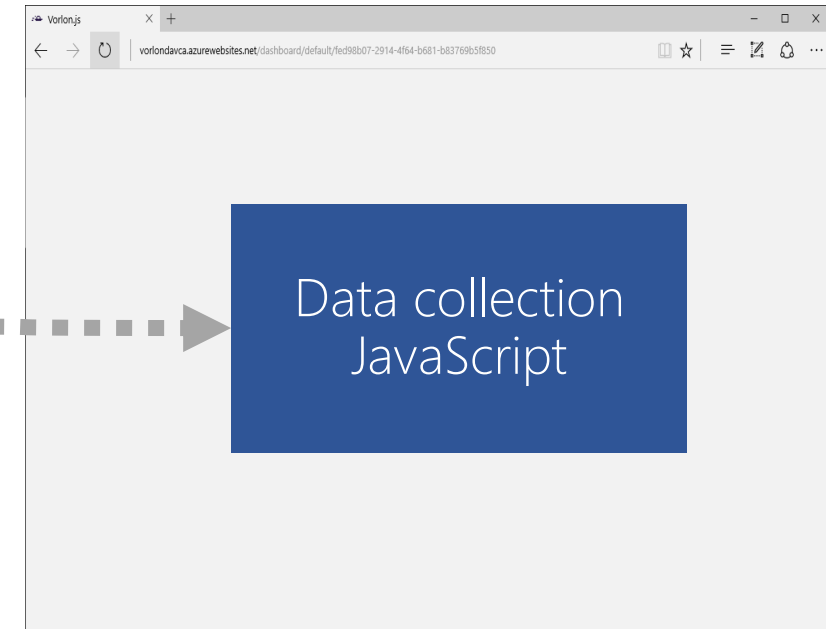
# Standard website development



# Vorlon.js plugin



Vorlon.js Dashboard



Debugged website

# mydevice.io

Let's code a simple plugin

# Next steps

- Debug node.js server code
- Have a SaaS version of Vorlon.js
- Vorlon.js in production
- BrowserSync integration
- And more!

# Resources

@meulta

<http://vorlonjs.io>

<http://bit.ly/pourquoi-vorlon>

<http://bit.ly/vorlonplugin>