



WP3

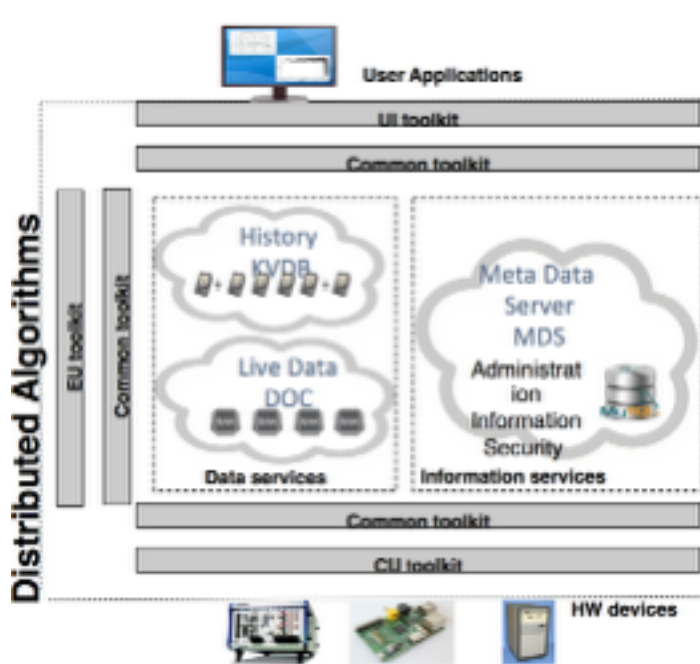
!CHAOS School

Frascati, 10-11 December 2014

Eliana Gioscio

Web User Interface

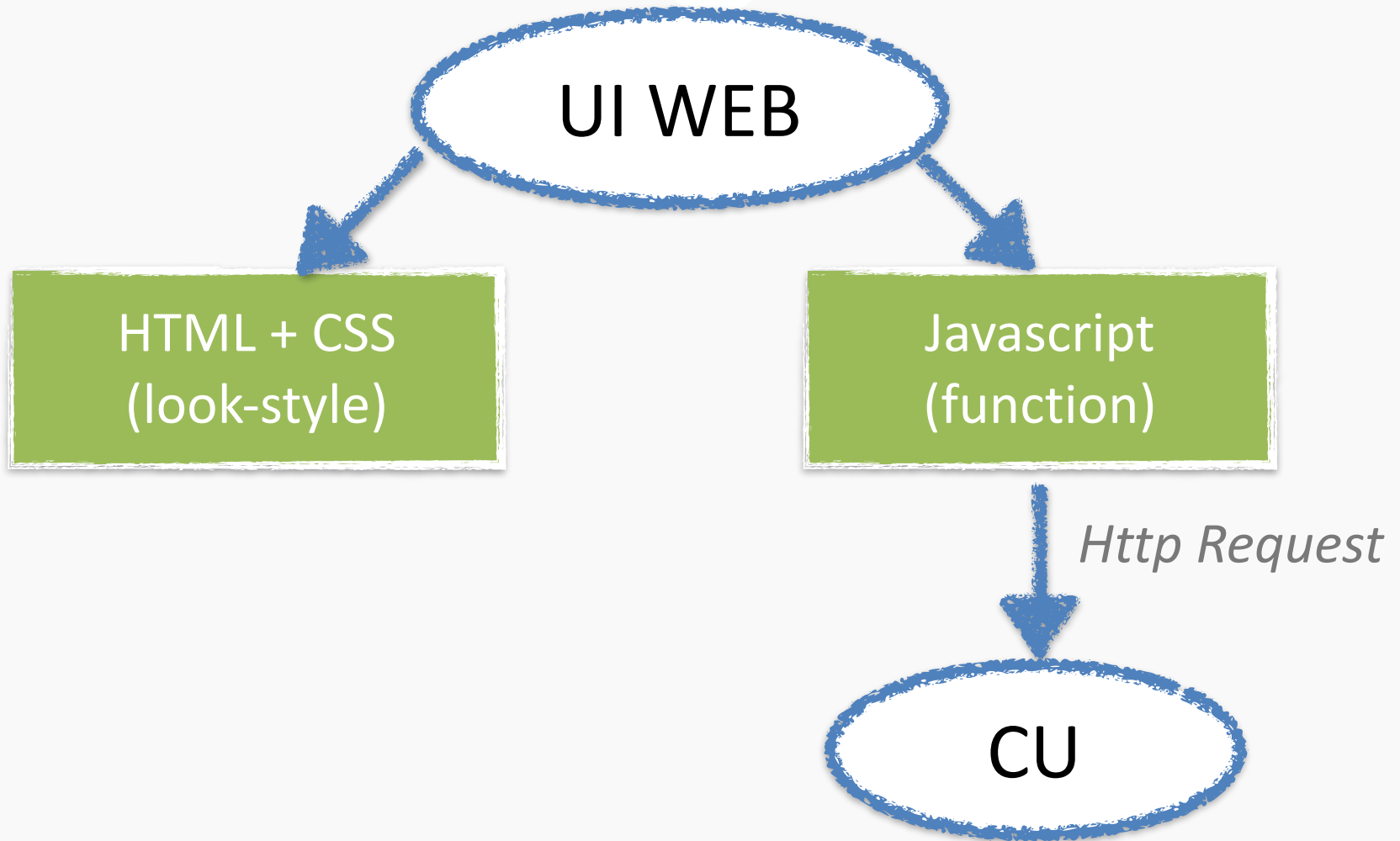
Nerd



Normal People



UI Components



Why JavaScript ?

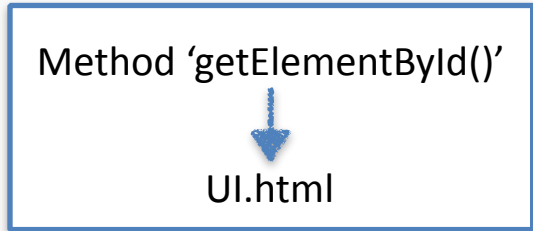
!Chaos language
BSON



Web language
JSON

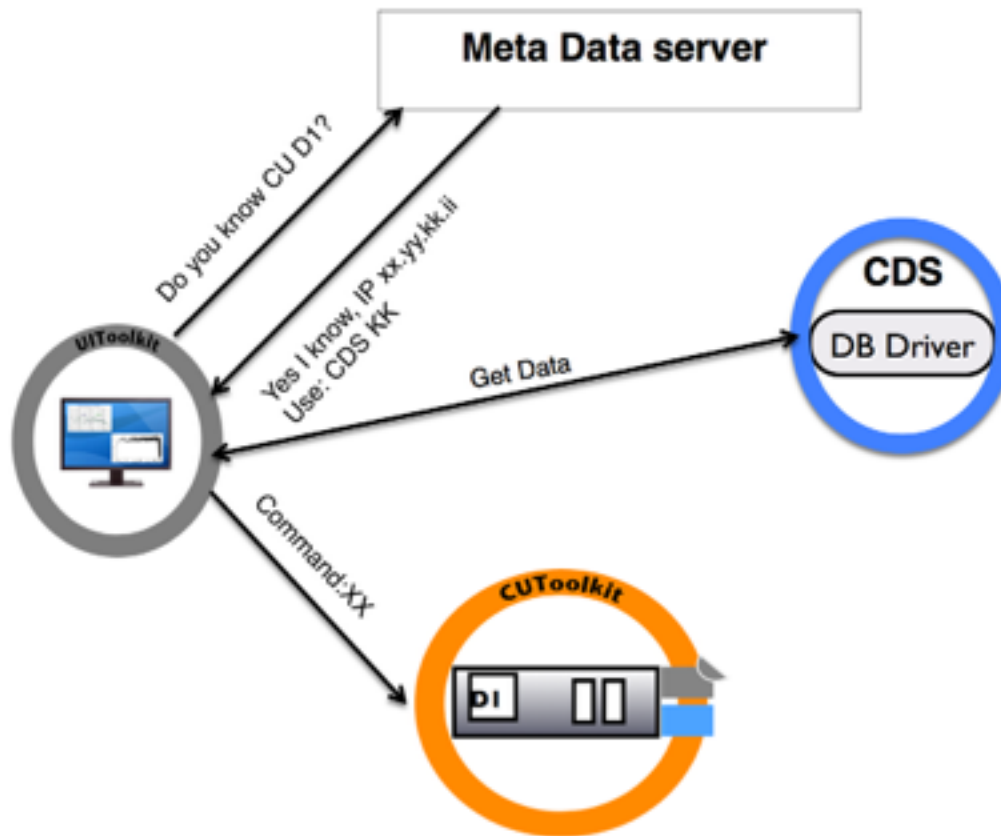
Chaos.js

```
var request_prefix = "http://localhost\(CUiserver\)/CU?dev=";  
function {  
  • init CU  
  • send command  
  • update interface  
  • .....
```



The !CHAOS UI applications through the UItoolKit can:

1. Ask information about the available CU to MDS
2. Switch and check the states of the CU (init/deinit/start/stop)
3. Send commands to CU
4. Retrieve live and historical data of a CU from CDS



Command Url

Chaos.js

```
request.open("GET", request_prefix + this.name + "&cmd=init",true);
```



Web

```
server_address/UI.html?init=nome_device
```

- denit
- start
- stop

Html + CSS

Tag

```
<html>
<head>
  <meta></>
  <link rel="stylesheet" href="webChaos/UI.css" type="text/css" media="screen, projection" />
  <script type="text/Javascript" src="webChaos/chaos.js"></script>
</head>
<body>
<div class="">
  <h1 id="name_"></h1>
  <table><tr id="out1_0"></tr></table>
</div>
</body>
</html>
```

id { .js
CU

Selettore

```
div.class {
  proprietà: valore
}
table#id {
  proprietà: valore
}
```

At the end

- Ammeter UI example:

[192.168.143.28/ammeter_multix.html?
start=FEMTO1&FEMTO2&FEMTO3&FEMTO4](http://192.168.143.28/ammeter_multix.html?start=FEMTO1&FEMTO2&FEMTO3&FEMTO4)

- UI Web Template (exercise)

[https://opensource-confluence.infn.it/confluence/
display/PIP/DAY2+--+SCCU](https://opensource-confluence.infn.it/confluence/display/PIP/DAY2+--+SCCU)