Scientific School on Blockchain
& distributed ledger technology

Pula - Italy
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Hands on lab
Web3

14 Jun 2018 **Mauro Pili**

Create a Web3 app

Developing a Web3 app using the

Escrow Smart Contract made in the hands-on

Necessary:

- ABI and address of the smart contracts (ex. created on the hands-on lab)
- a (local) web server
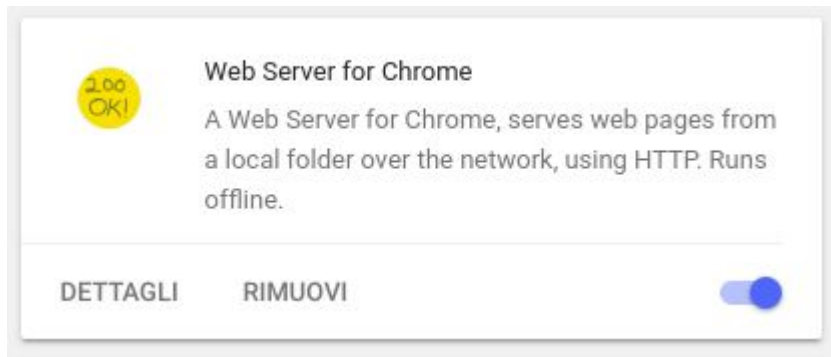- a web3-enabled browser: with the plug-in https://metamask.io

choose one (local) Web server

Nodejs (preferred)

download from https://nodejs.org

and install

Chrome plug-in

Web Server for Chrome
A Web Server for Chrome, serves web pages from a local folder over the network, using HTTP. Runs offline.

DETTAGLI   RIMUOVI

Create a directory

- create a directory
- save a file with the address and the ABI of the smart contracts

Nodejs

```
    Create a directory, move to that directory
npm init
     entry point: (server.js)      ...
npm install connect serve-static
```

Create a file server.js with this content:

```
var connect = require('connect');
var serveStatic = require('serve-static');
connect().use(serveStatic(__dirname)).listen(8080, function(){
    console.log('Server running on 8080...');
});
```

run webserver

```
node server.js
```

Create an html file

- deploy the contract on the ropsten testnet
- get the ABI and address of the smart contract
- create the html file with web3 calls
- open the file with the web3-enabled browser