The Concept Paper for a Rainbow Scanner

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Software Concept

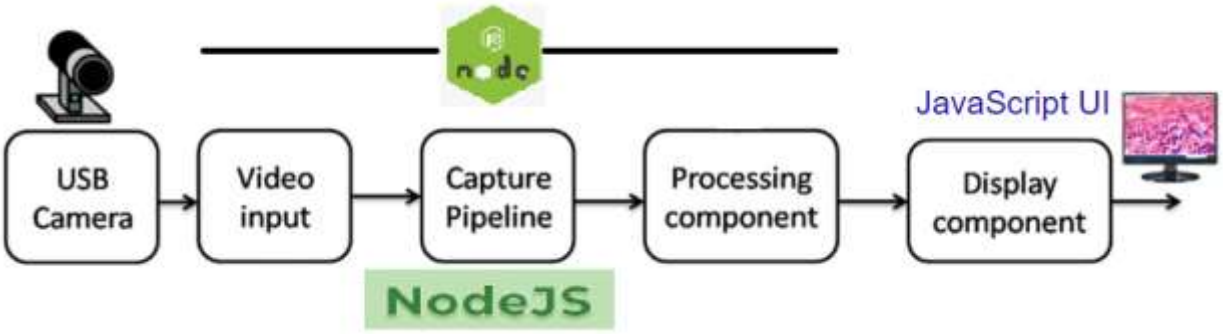
The main goal of the concept is to get as much high-tech (and look&feel) product at lowest runtime retail price.

I have done several startup projects, so I decided to follow known path:

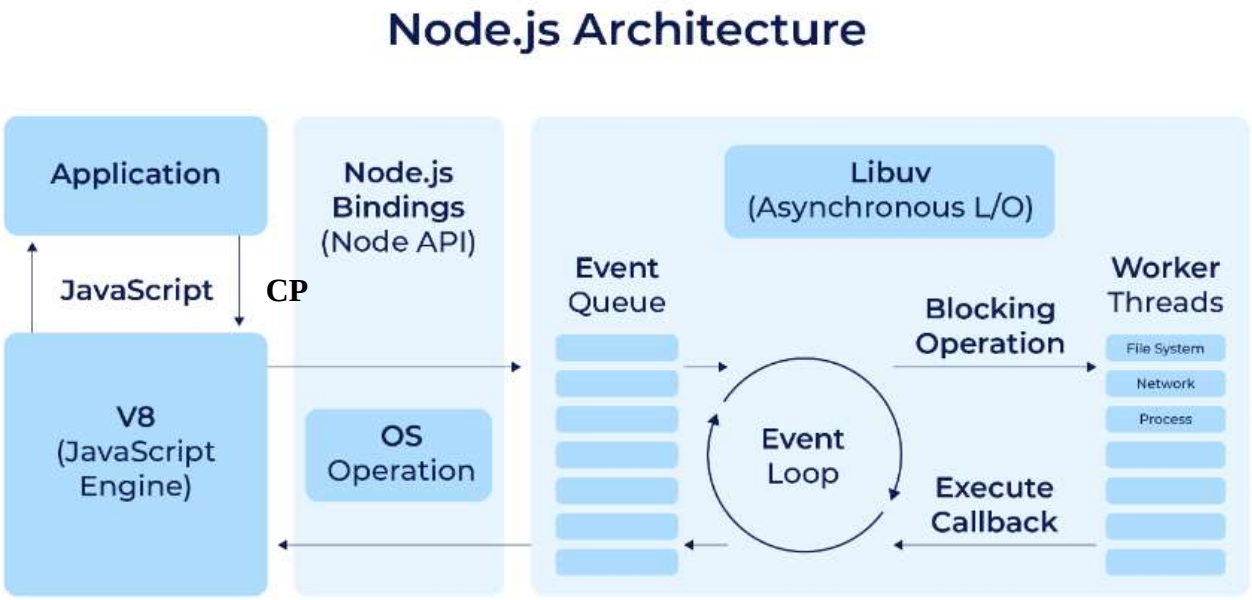
- Standard Linux on board
- JavaScript user code implementation
- Node.js web engine with C++ AddOn extensions for video matrix processing
- JavaScript UI for dynamic modern user interface

There was also other solution proposal with Qt, but after analysing of actual requirements I decided to abandon it, because it was oversized and too much bound to their own vision.

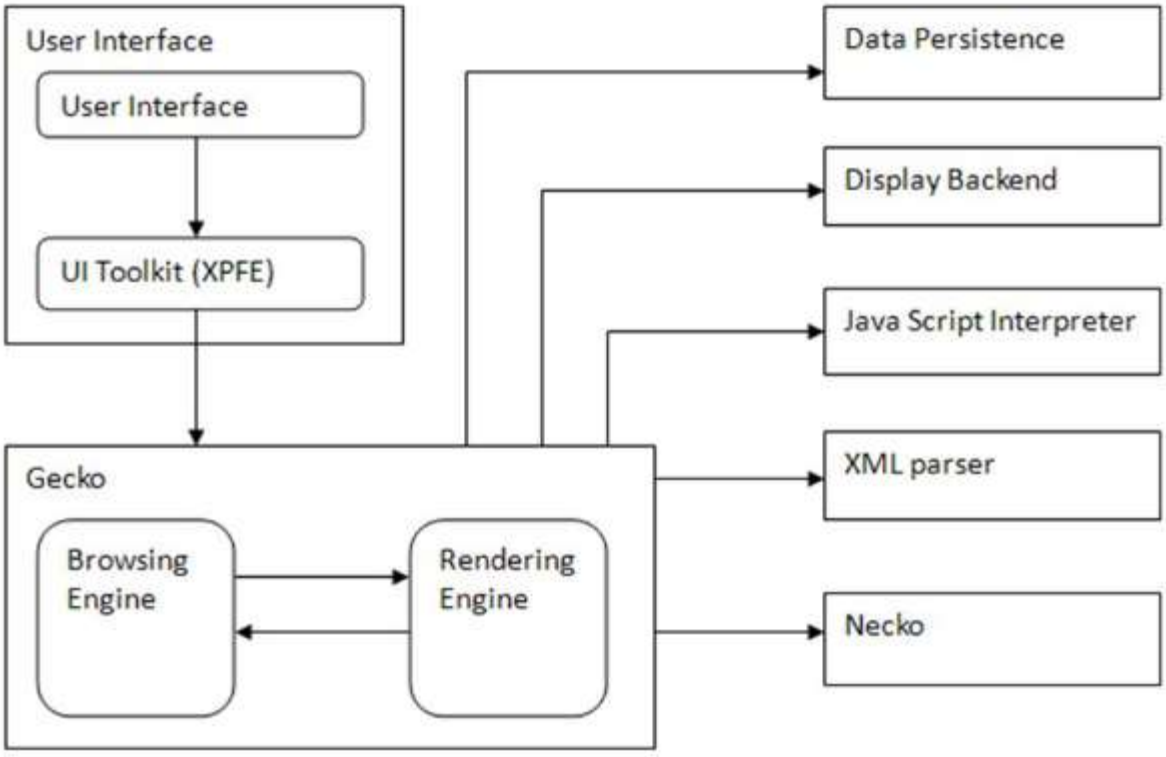
It is a wish to get as less CPU/GPU load as possible in order to reduce the CPU model.

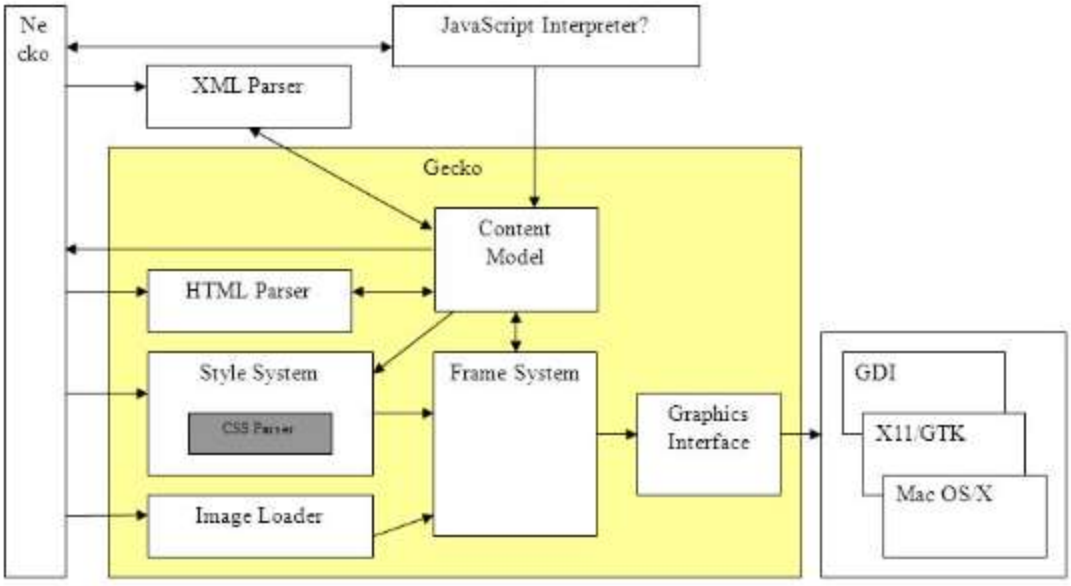


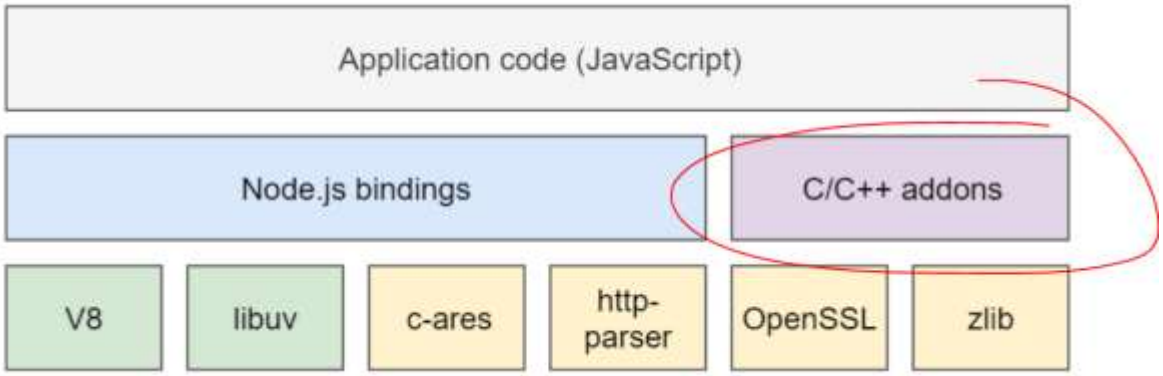
Benefits of Node.js Architecture

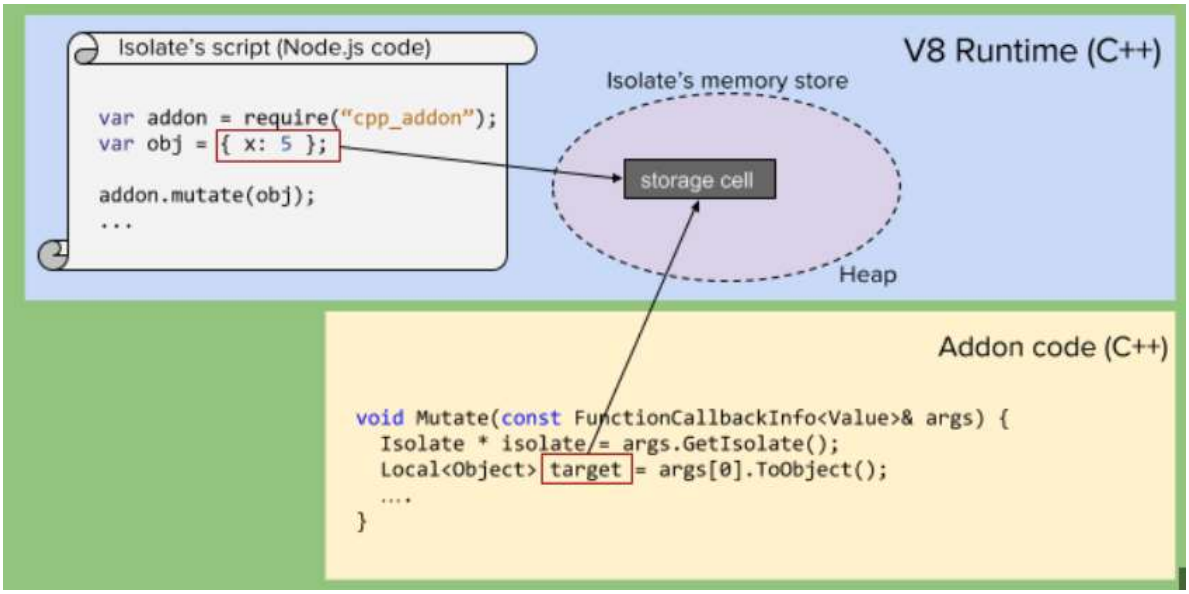


The Study Phase:


User Interface
User Interface
UI Toolkit (XPFE)
Data Persistence
Display Backend
Java Script Interpreter
XML parser
Necko
Gecko
Browsing Engine
Rendering Engine


Ne cko
JavaScript Interpreter?
XML Parser
Gecko
Content Model
HTML Parser
Style System
CSS Parser
Frame System
Graphics Interface
Image Loader
GDI
X11/GTK
Mac OS X





Usage

Install

```
npm install -g node-core-utils
```

If you would prefer to build from the source, install and link:

```
git clone git@github.com:nodejs/node-core-utils.git
cd node-core-utils
npm install
npm link
```

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Select menu
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Ipsum
Information
Adipiscing
Consectetuer
Search
Button OFF
Button ON
Button text
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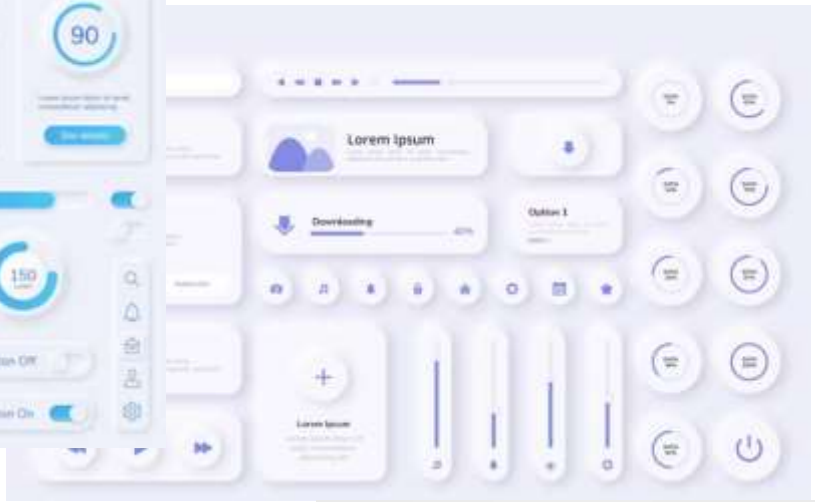
Lorem Ipsum
Downloading
Option 1

85,5%

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Location
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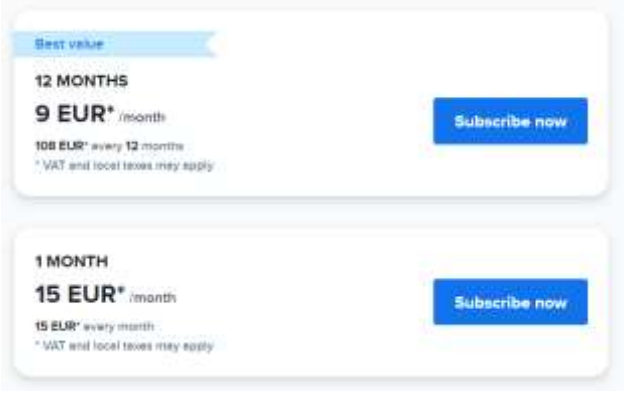
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https://github.com/nodejs/node-core-utils

Concept Paper

Reference

The Rainbow Probe
For successful Breast Cancer Surgeries
NUTEK Insight Beyond Visible