

A pure QML/JS approximation of node.js' require() mechanism

Sumedha Widyadharma

basysKom GmbH

07.10.2014

I Who?

I What?

I How?

I Why?

I Now What?

I Where?

Who?

| Sumedha Widyadharma

| Developer/System Integrator

| basysKom GmbH

What?

- | node.js' require()
 - Module loading in JavaScript
- | For usage in .js files
- | Works in Qt 5.4 qmlscene
- | Works with (some) **real-world** npm modules

How?

| \$ npm install underscore

| **main.qml**

```
import „main.js“ as M
Item{}
```

| **main.js**

```
.import "require.js" as R
var require = R.require;
var _ = require('underscore');
console.log(_.first([1,2,3]));
```

How?

- | Build candidate list
 - require('test') →
[node_modules/test.js, node_modules/test/index.js, ...]
- | Qt.include candidates
 - ... rinse, repeat until found or failed
- | Cache good paths for relative includes
- | Return exports of included candidate

Why?

- | Because I can :)
- | JavaScript is here to stay
 - JavaScript-only applications are a reality
- | QML/JavaScript-only applications have appeal
 - Web-Developer
 - Beginner
 - ...
- | Modularization leads to better code
 - ... in general

Now What?

- | Experiment successful
 - ... just don't use it as-is
- | The real solution
 - ECMAScript 6 module support

Where?

| <http://bitbucket.org/swid/qmlrequire>

Thanks!

| Sumedha Widyadharma

| sumedha.widyadharma@basyskom.com

| Visit us at booth Nr. 1

| Contact

Sumedha Widyadharma
Developer/System-Integrator

sumedha.widyadharma@basyskom.com
+49 (6151) 870 589 127

| Company

basysKom GmbH
Robert-Bosch-Str. 7
64293 Darmstadt
Germany

sales@basyskom.com
+49 (6151) 870 589 0

www.basyskom.com