Decompose Note Project

Can you hear and see me well?

```
> Write to chat
> + good
> - problems with audio or video
```

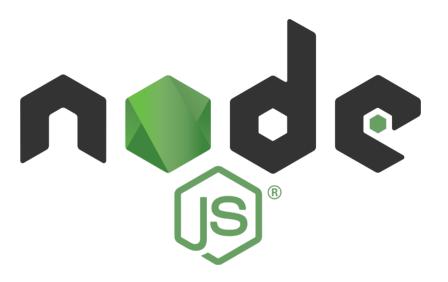
Agenda

- Introduction
 - Workshop goals
- CLI in Node
 - Why CLI?
 - Why JavaScript / Node?
 - Basic Principles
- Practice with CLIs
 - Hello CLI
 - help & version
 - oclif
- Note Project
 - About
 - WOW
 - Next Steps



Goals

- · Get to know each other
- Introduce Planet goals and motivation
- Understand Basic CLI Concepts
- Decompose Note Project, Plan a Sprint



To start with - Introduce yourself!



- Who are you?
- What's your programming experience?
- Do you have questions about



Workshop Goals

Back to Workshops

Workshop goals

A&Q

Docs

- Note Project https://github.com/korzio/note
- My Stories
- CLI in Node by Myself
- Evolution of the Heroku CLI: 2008-2017
- 12 Factor CLI Apps Heroku

Introduction

A command-line interface or command language interpreter (CLI), is a means of interacting with a computer program where the user (or client) issues commands to the program in the form of lines of text (command lines). A program which handles the interface is called a command language interpreter or shell.

(c) Wiki

Porque?

Which CLI program

- Do you like?
- Do you use the most?



- Why JavaScript?
- Why Node?

Popular CLIs

Top

- •
- •

Runners

- gulp
- grunt

Generators & Developer Experience

- yeoman
- create-react-app
- angular-cli
- polymer-cli



Why CLI?

- Tools for
 - improving developer experience and
 - task automation
- which allow to gain even more!
- That's fun!

?

Why Node?

- Practice with
- Atwood's Law any application that can be written in JavaScript, will eventually be written in JavaScript
- Fast and easy to develop
- A rich infrastructure with all kinds of packages and libraries with
- Modules & plug'n'play

?

need to be installed?!

Principles Question

Which basic principles of designing a program you might mention?

Principles

•	A liser	want to	understand	what's	hannening
•	A user	wait to	unucistanu	wilats	Habbellille

• UNIX Philosophy

o o o

• Environments





Basic Principles

A&Q

-->

Practice

Hello CLI

Demo

```
mkdir my-test-cli
npm init
echo "console.log('Hello CLI')" > index.js
npm start
npm install --global .
my-test-cli
```

package.json

```
"name": "my-test-cli",
 "version": "1.0.0",
  "description": "Hello CLI",
 "main": "server.js",
 "bin": "server.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
 },
  "keywords": [],
 "author": "",
 "license": "ISC",
  "man" : "./man/doc.1"
}
     - exports
    - make an executable
                               inside
             - feedback on a package 🤐
```

Execution

• specifies an interpeter in systems

#!/usr/bin/env node

• contains arguments which a program is called with

What will be an output of running

console.log(process.argv)

node server hello world

• internal module provides a Read-Eval-Print-Loop (REPL) implementation

help & version

Demo

```
> my-test-cli
Usage:
--help Help documentation
--version Installed package version
```

oclif

Heroku, SalesForce framework to build CLIs

Features

- (can be
- Auto-documentation
- Parse Arguments
 - Flags VS Arguments
- Code generation (with
 - Single Commands VS Multi Commands
- Project' folders structure
- Hooks a way to extend commands behavior
- Test & Build & Package

Note Project

Educational Open Source Notes Project to practice with JavaScript, TypeScript, Node, oclif, Git, Web Components, Project Management

- https://github.com/korzio/note
- What?
- Who?

WOW

- Where do we work
 - https://github.com/korzio/note
- Sprints (2 weeks)
- Time Commitment (8 points)
- My Role (PM and programming)
- Repository Structure
 - o , o , o ,
- Medium
- Slack

Demo

Next Steps

- Sprint Template
 - Medium Note
 - Twitter Note
 - Follow up
 - o ...
- Next Meeting in 2 weeks

o ...

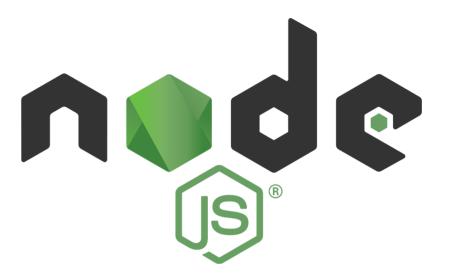
Feedback

Please share your opinion on Decompose Note Project webinar

https://forms.gle/qpbckMntS8w2x1Wq8

Summary

- Get to know each other
- Understand Basic CLI Concepts
- Overviewed different packages for developing a CLI
- Practice with CLI in
- Start Note Project



Thank you!

Questions?

Twitter: **AlexKorzhikov**

Medium: korzio
Github: korzio

Email: relocatejsplanet@gmail.com

Telegram: @jsplanet

Telegram Channel: @relocatejs