Michael Dawson

@mhdawson1
IBM Node.js Community Lead

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Meet our collaborators

Michael **Dawson**

Ben **Noordhuis**

Michael **Tunnicliffe**

Richard **Lau**

Gireesh **Punathil**

Steven **Loomis**

Gibson **Fahnestock**

Ryan **Graham**

Sam **Roberts**

Bert **Belder**

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Node.js matured at a fast rate.

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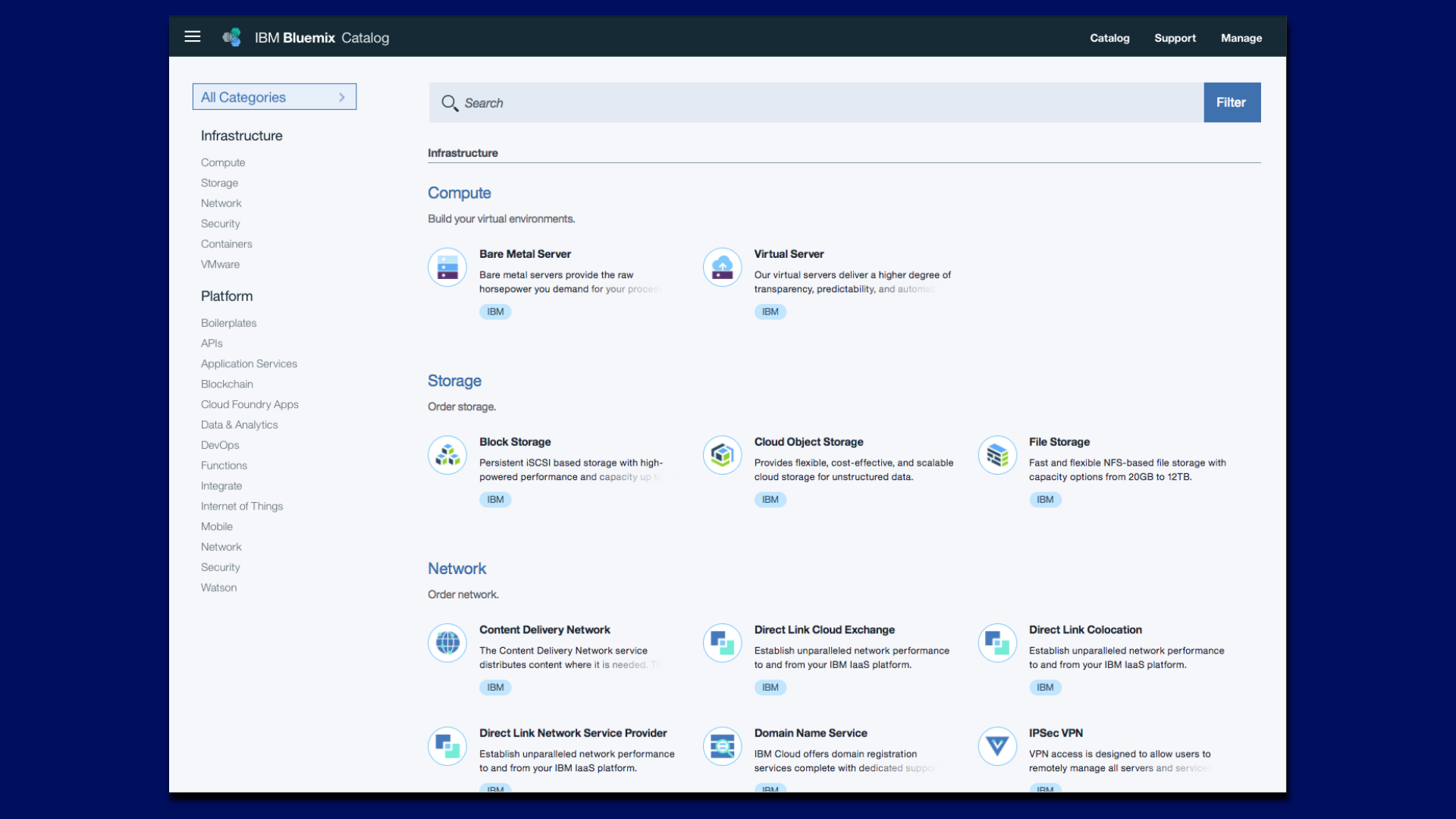
IBM Bluemix Catalog
Catalog
Support
Manage
All Categories
Infrastructure
Compute
Storage
Network
Security
Containers
VMware
Platform
Boilerplates
APIs
Application Services
Blockchain
Cloud Foundry Apps
Data & Analytics
DevOps
Functions
Integrate
Internet of Things
Mobile
Network
Security
Watson
Search
Filter
Infrastructure
Compute
Build your virtual environments.
Bare Metal Server
Bare metal servers provide the raw horsepower you demand for your proces
IBM
Virtual Server
Our virtual servers deliver a higher degree of transparency, predictability, and automat
IBM
Storage
Order storage.
Block Storage
Persistent iSCSI based storage with high-powered performance and capacity up t
IBM
Cloud Object Storage
Provides flexible, cost-effective, and scalable cloud storage for unstructured data.
IBM
File Storage
Fast and flexible NFS-based file storage with capacity options from 20GB to 12TB.
IBM
Network
Order network.
Content Delivery Network
The Content Delivery Network service distributes content where it is needed. Th
IBM
Direct Link Cloud Exchange
Establish unparalleled network performance to and from your IBM IaaS platform.
IBM
Direct Link Colocation
Establish unparalleled network performance to and from your IBM IaaS platform.
IBM
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Establish unparalleled network performance to and from your IBM IaaS platform.
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IPSec VPN
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IBM

docker

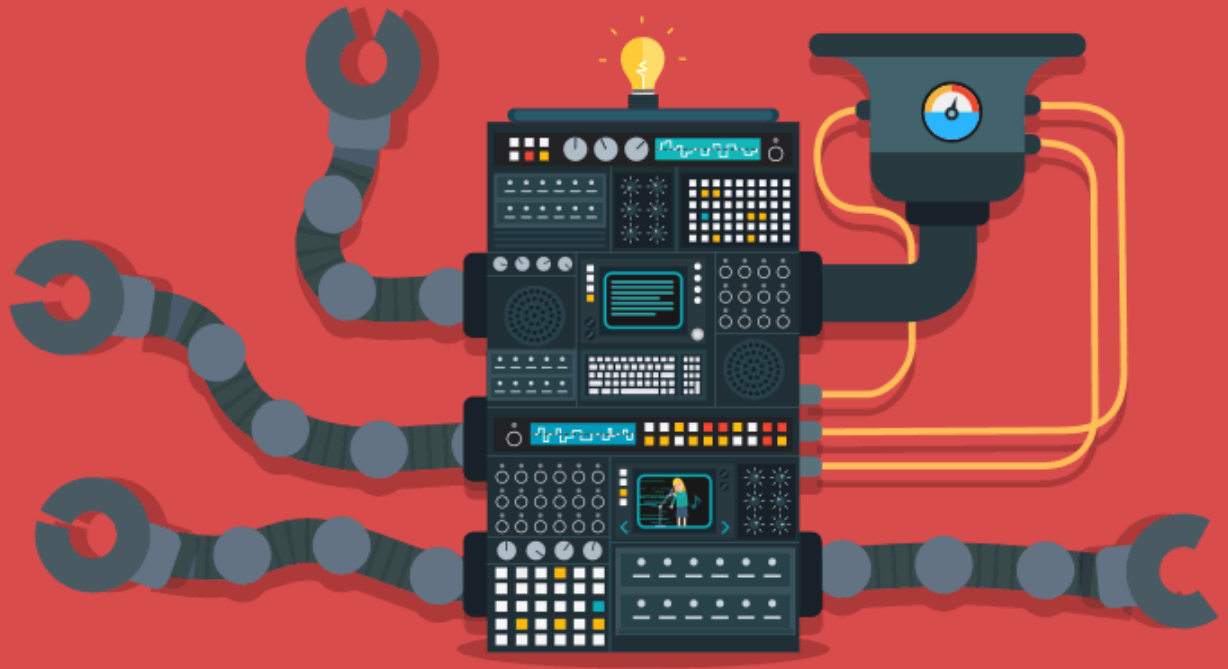
vmware®

Z SYSTEMS

Prometheus

kubernetes

CLOUD FOUNDRY



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Create a production-ready app with our Yeoman generators

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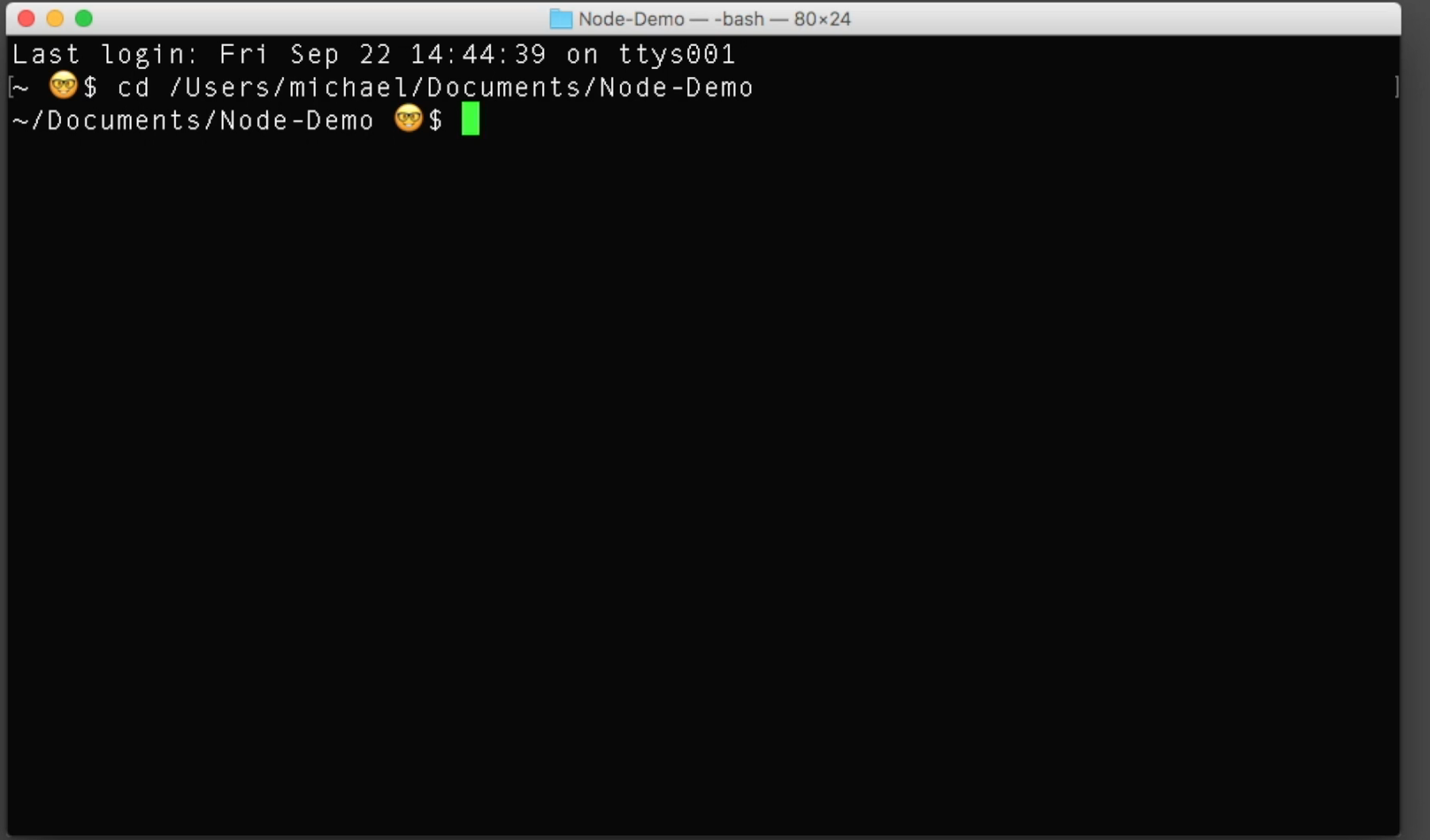
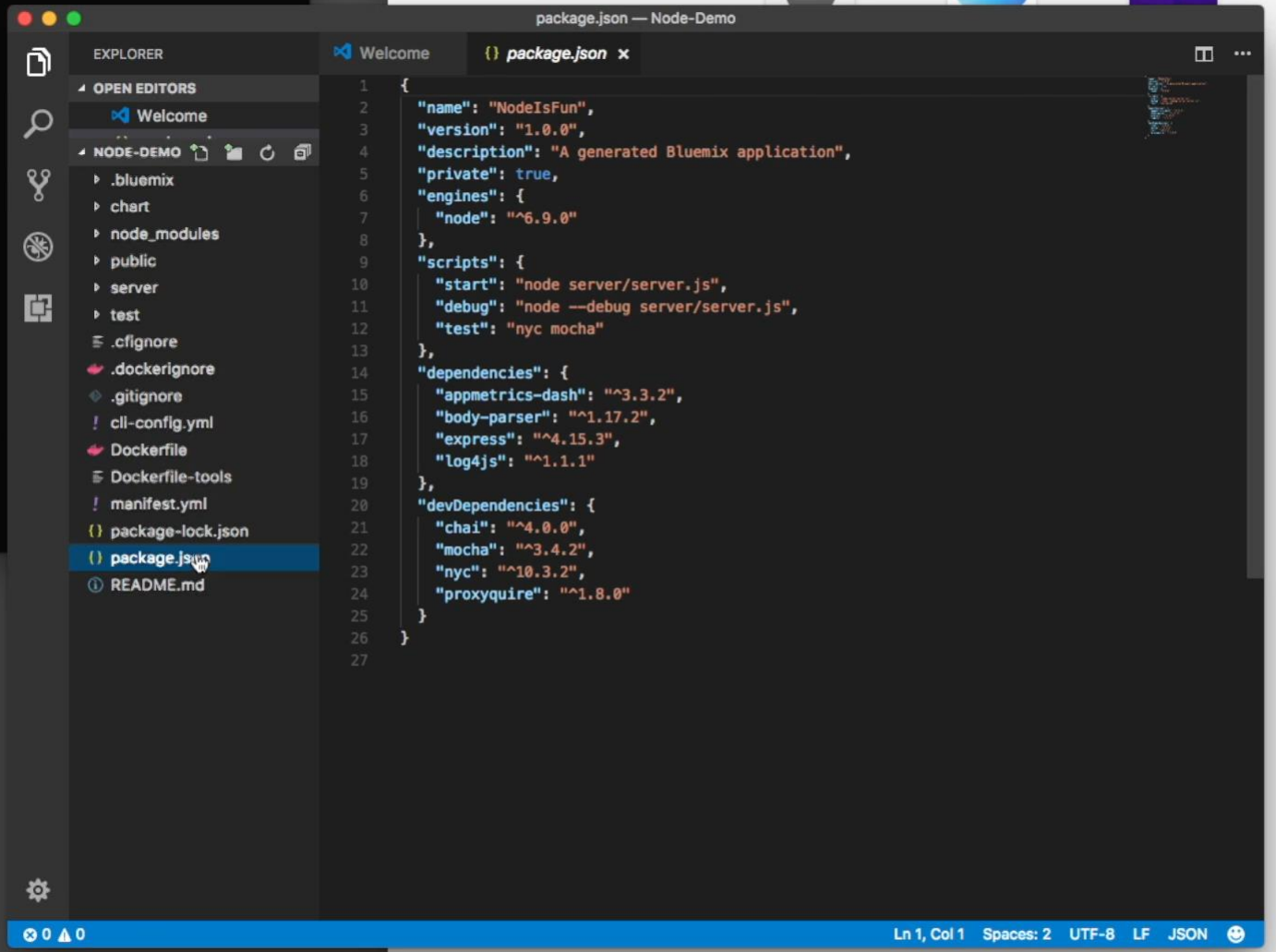
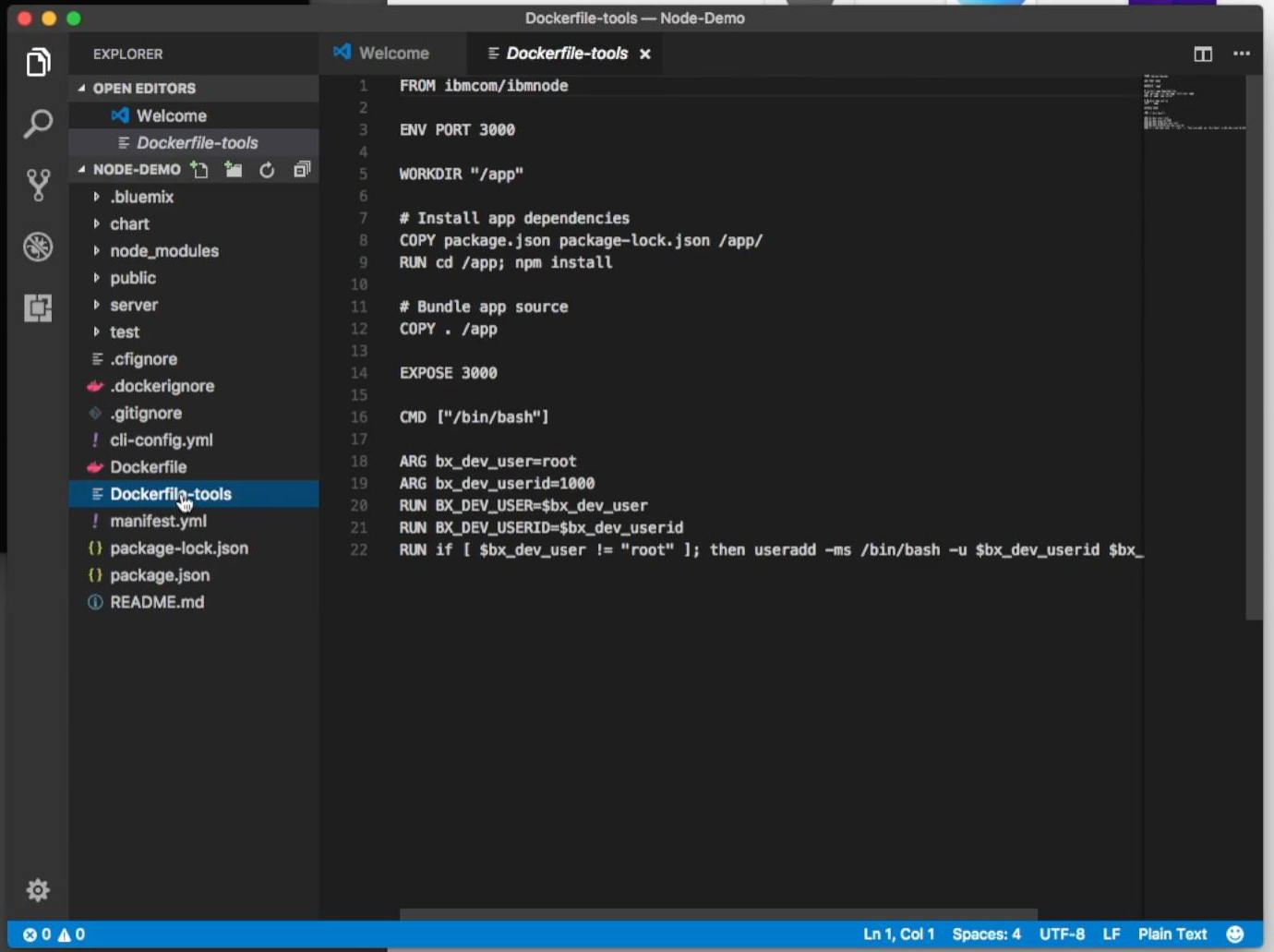
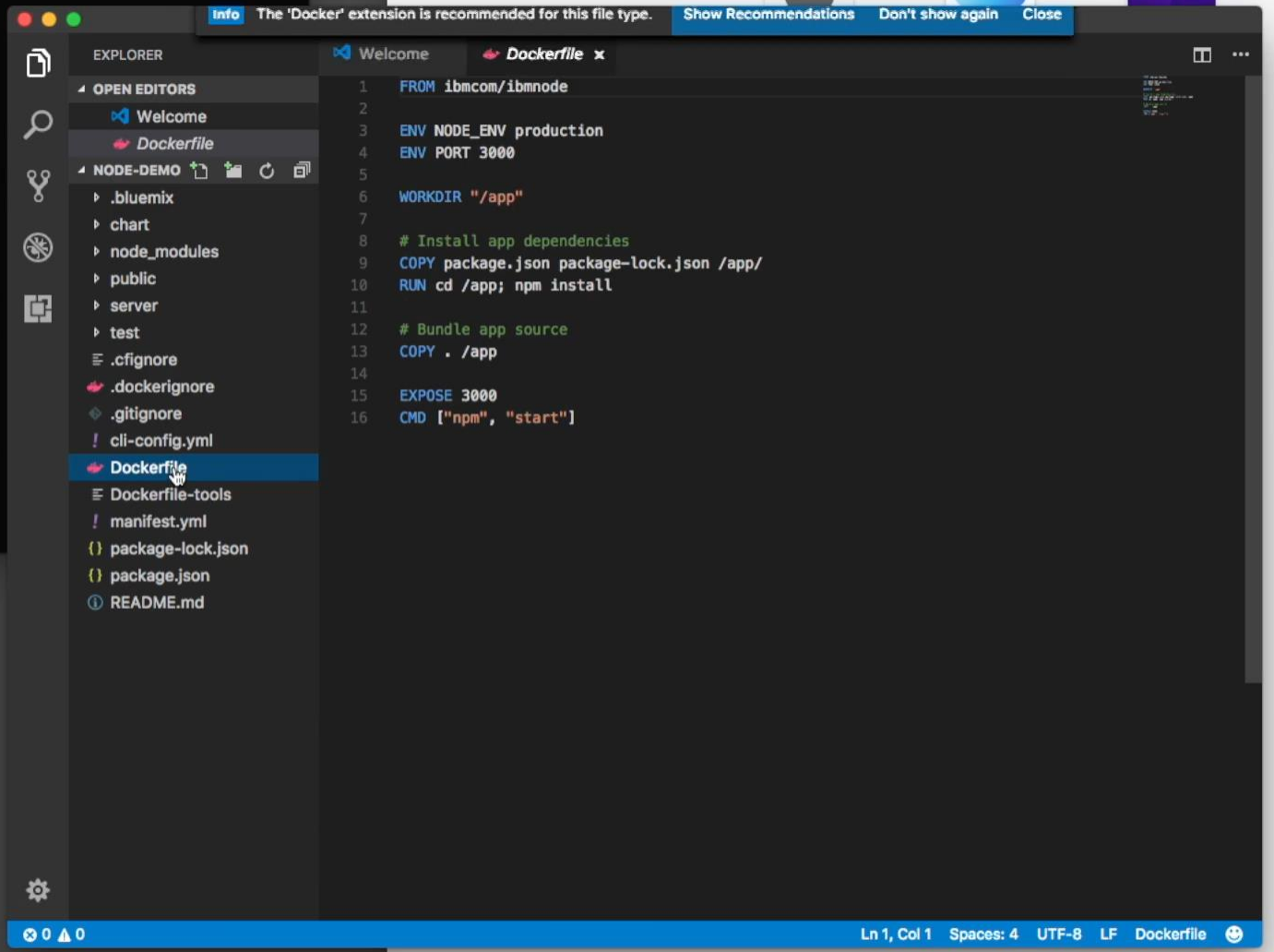

Node-Demo — -bash — 80×24
Last login: Fri Sep 22 14:44:39 on ttys001
~ 😎$ cd /Users/michael/Documents/Node-Demo
~/Documents/Node-Demo 😎$


package.json — Node-Demo
EXPLORER
OPEN EDITORS
Welcome
NODE-DEMO
.bluemix
chart
node_modules
public
server
test
.cfignore
.dockerignore
.gitignore
cli-config.yml
Dockerfile
Dockerfile-tools
manifest.yml
package-lock.json
package.json
README.md
Welcome
package.json
{
"name": "NodeIsFun",
"version": "1.0.0",
"description": "A generated Bluemix application",
"private": true,
"engines": {
"node": "^6.9.0"
},
"scripts": {
"start": "node server/server.js",
"debug": "node --debug server/server.js",
"test": "nyc mocha"
},
"dependencies": {
"appmetrics-dash": "^3.3.2",
"body-parser": "^1.17.2",
"express": "^4.15.3",
"log4js": "^1.1.1"
},
"devDependencies": {
"chai": "^4.0.0",
"mocha": "^3.4.2",
"nyc": "^10.3.2",
"proxyquire": "^1.8.0"
}
}
0 0
Ln 1, Col 1
Spaces: 2
UTF-8
LF
JSON


Dockerfile-tools — Node-Demo
EXPLORER
OPEN EDITORS
Welcome
Dockerfile-tools
NODE-DEMO
.bluemix
chart
node_modules
public
server
test
.cfignore
.dockerignore
.gitignore
cli-config.yml
Dockerfile
Dockerfile-tools
manifest.yml
package-lock.json
package.json
README.md
Welcome
Dockerfile-tools
FROM ibmcom/ibmnode
ENV PORT 3000
WORKDIR "/app"
Install app dependencies
COPY package.json package-lock.json /app/
RUN cd /app; npm install
Bundle app source
COPY . /app
EXPOSE 3000
CMD ["/bin/bash"]
ARG bx_dev_user=root
ARG bx_dev_userid=1000
RUN BX_DEV_USER=$bx_dev_user
RUN BX_DEV_USERID=$bx_dev_userid
RUN if [$bx_dev_user != "root"]; then useradd -ms /bin/bash -u $bx_dev_userid $bx_
0 0
Ln 1, Col 1
Spaces: 4
UTF-8
LF
Plain Text
Bing
Google
The Weather Channel
The Weather Channel
Yelp
yelp

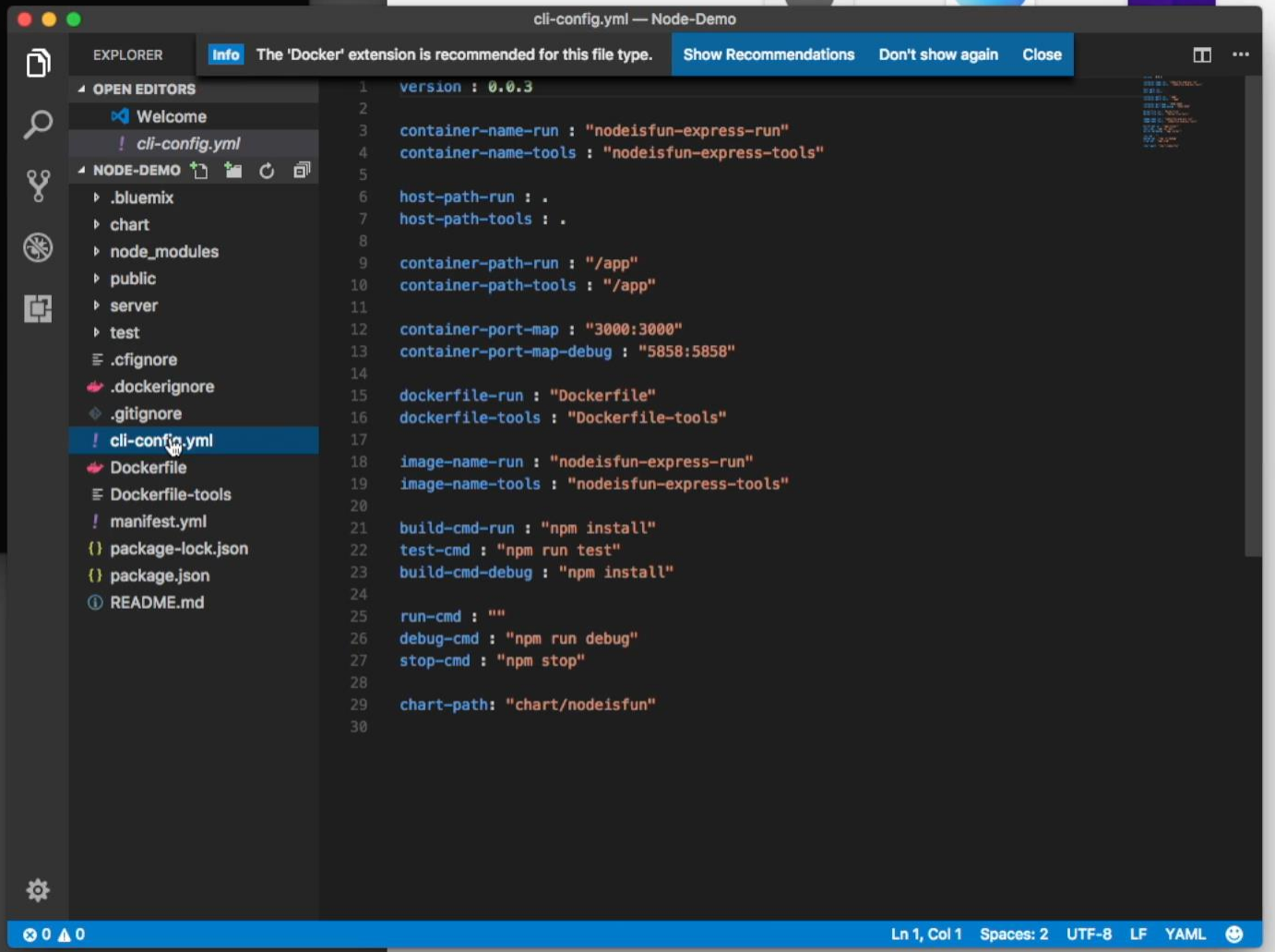


Bing

Google

The Weather Channel

Yelp


cli-config.yml — Node-Demo
EXPLORER
Info
The 'Docker' extension is recommended for this file type.
Show Recommendations
Don't show again
Close
OPEN EDITORS
Welcome
cli-config.yml
NODE-DEMO
.bluemix
chart
node_modules
public
server
test
.cfignore
.dockerignore
.gitignore
cli-config.yml
Dockerfile
Dockerfile-tools
manifest.yml
package-lock.json
package.json
README.md
version : 0.0.3
container-name-run : "nodeisfun-express-run"
container-name-tools : "nodeisfun-express-tools"
host-path-run : .
host-path-tools : .
container-path-run : "/app"
container-path-tools : "/app"
container-port-map : "3000:3000"
container-port-map-debug : "5858:5858"
dockerfile-run : "Dockerfile"
dockerfile-tools : "Dockerfile-tools"
image-name-run : "nodeisfun-express-run"
image-name-tools : "nodeisfun-express-tools"
build-cmd-run : "npm install"
test-cmd : "npm run test"
build-cmd-debug : "npm install"
run-cmd : ""
debug-cmd : "npm run debug"
stop-cmd : "npm stop"
chart-path: "chart/nodeisfun"
0 0
Ln 1, Col 1
Spaces: 2
UTF-8
LF
YAML

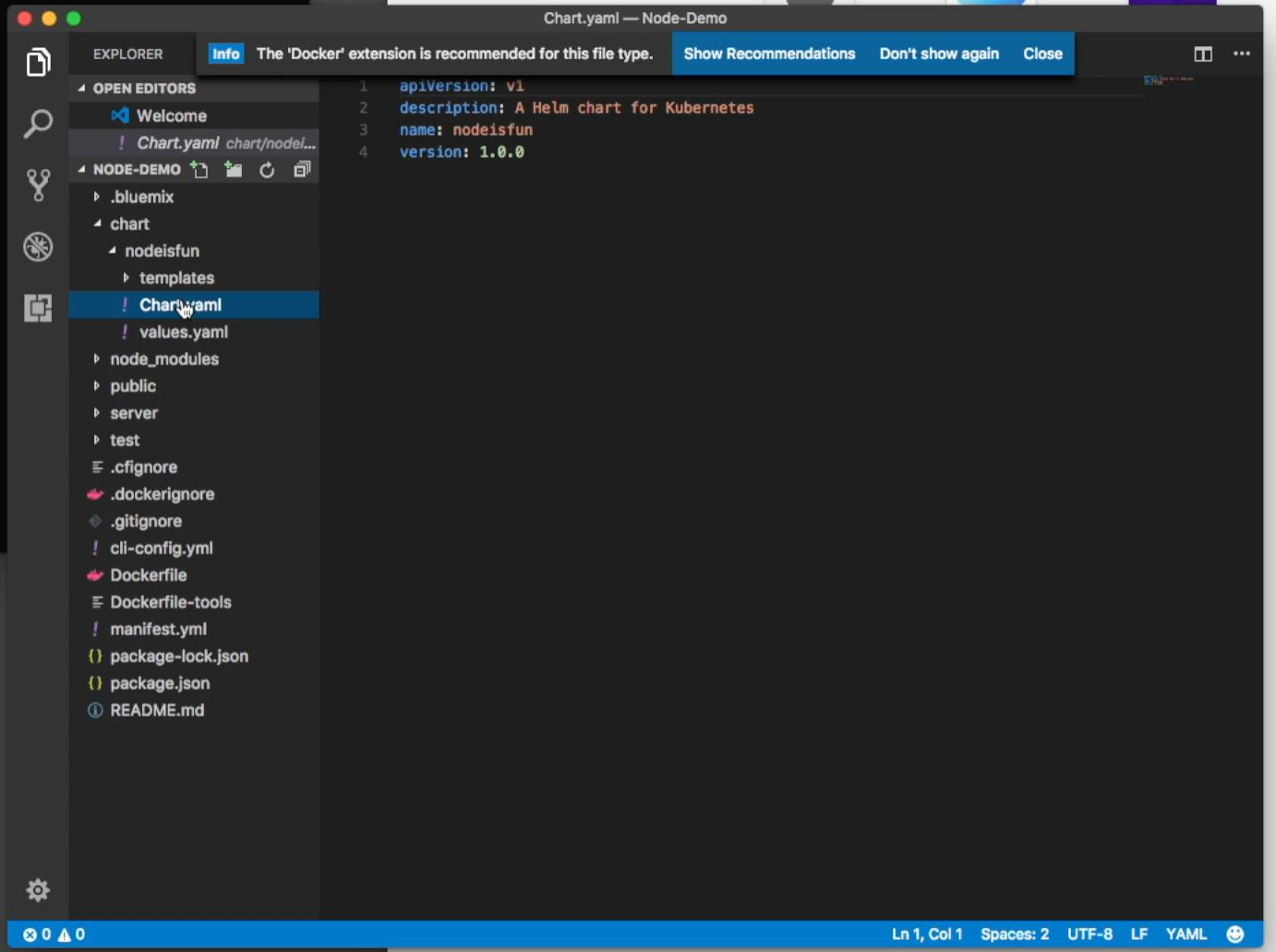
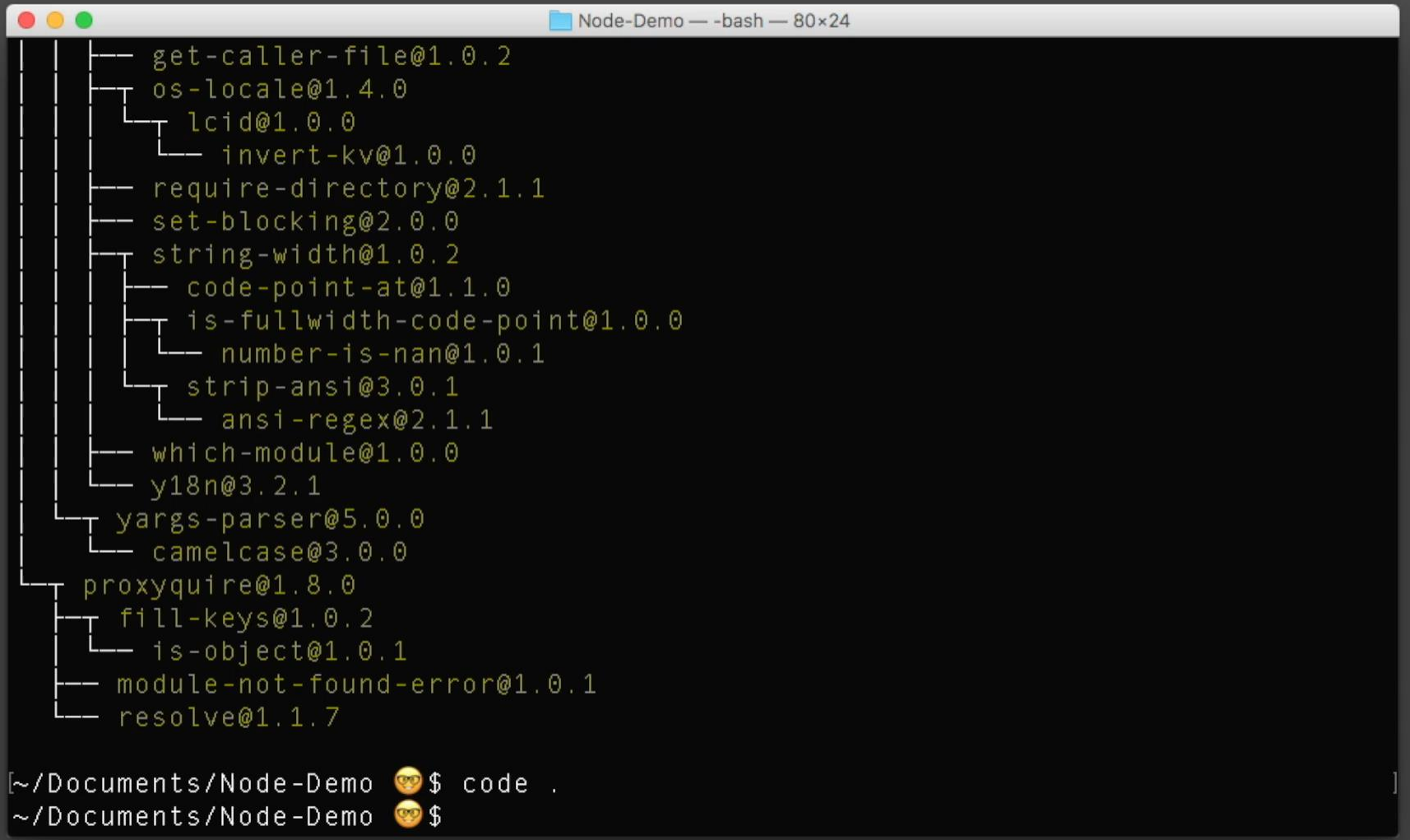


Chart.yaml — Node-Demo
EXPLORER
Info
The 'Docker' extension is recommended for this file type.
Show Recommendations
Don't show again
Close
OPEN EDITORS
Welcome
Chart.yaml chart/nodei...
NODE-DEMO
.bluemix
chart
nodeisfun
templates
Chart.yaml
values.yaml
node_modules
public
server
test
.cfignore
.dockerignore
.gitignore
cli-config.yml
Dockerfile
Dockerfile-tools
manifest.yml
package-lock.json
package.json
README.md
1 apiVersion: v1
2 description: A Helm chart for Kubernetes
3 name: nodeisfun
4 version: 1.0.0
0 0
Ln 1, Col 1
Spaces: 2
UTF-8
LF
YAML


Node-Demo — -bash — 80×24
│ │ ├── get-caller-file@1.0.2
│ │ ├─┬ os-locale@1.4.0
│ │ │ └─┬ lcid@1.0.0
│ │ │   └── invert-kv@1.0.0
│ │ ├── require-directory@2.1.1
│ │ ├── set-blocking@2.0.0
│ │ ├─┬ string-width@1.0.2
│ │ │ ├── code-point-at@1.1.0
│ │ │ ├─┬ is-fullwidth-code-point@1.0.0
│ │ │ │ └── number-is-nan@1.0.1
│ │ │ └─┬ strip-ansi@3.0.1
│ │ │   └── ansi-regex@2.1.1
│ │ ├── which-module@1.0.0
│ │ └── y18n@3.2.1
│ └─┬ yargs-parser@5.0.0
│   └── camelcase@3.0.0
└─┬ proxyquire@1.8.0
  ├─┬ fill-keys@1.0.2
  │ └── is-object@1.0.1
  ├── module-not-found-error@1.0.1
  └── resolve@1.1.7
[~/Documents/Node-Demo $ code .
~/Documents/Node-Demo $

Deploy to Kubernetes or Cloud Foundry

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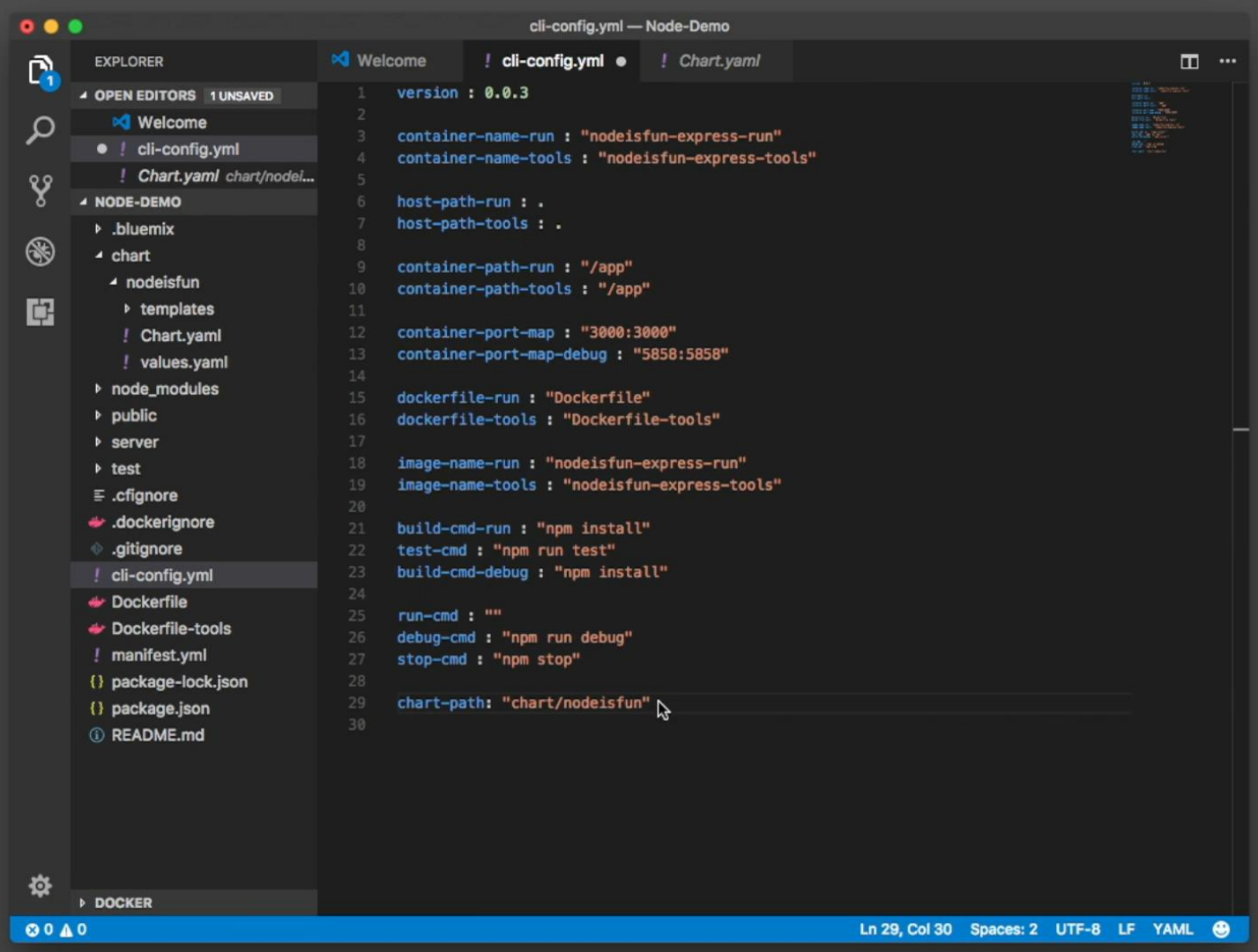
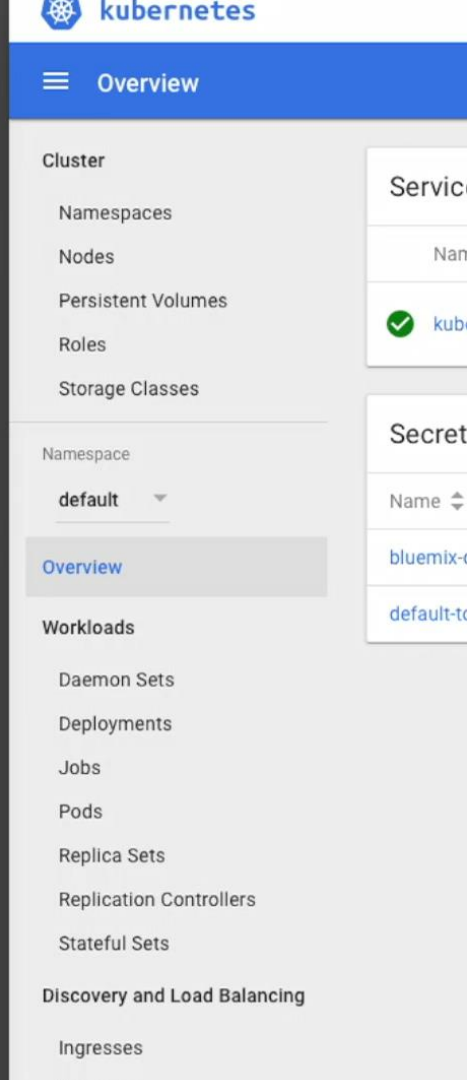

cli-config.yml — Node-Demo
EXPLORER
Welcome
cli-config.yml
Chart.yaml
OPEN EDITORS 1 UNSAVED
Welcome
cli-config.yml
Chart.yaml chart/nodei...
NODE-DEMO
.bluemix
chart
nodeisfun
templates
Chart.yaml
values.yaml
node_modules
public
server
test
.cfignore
.dockerignore
.gitignore
cli-config.yml
Dockerfile
Dockerfile-tools
manifest.yml
package-lock.json
package.json
README.md
DOCKER
version : 0.0.3
container-name-run : "nodeisfun-express-run"
container-name-tools : "nodeisfun-express-tools"
host-path-run : .
host-path-tools : .
container-path-run : "/app"
container-path-tools : "/app"
container-port-map : "3000:3000"
container-port-map-debug : "5858:5858"
dockerfile-run : "Dockerfile"
dockerfile-tools : "Dockerfile-tools"
image-name-run : "nodeisfun-express-run"
image-name-tools : "nodeisfun-express-tools"
build-cmd-run : "npm install"
test-cmd : "npm run test"
build-cmd-debug : "npm install"
run-cmd : ""
debug-cmd : "npm run debug"
stop-cmd : "npm stop"
chart-path: "chart/nodeisfun"
Ln 29, Col 30 Spaces: 2 UTF-8 LF YAML


kubernetes
Overview
Cluster
Namespaces
Nodes
Persistent Volumes
Roles
Storage Classes
Namespace
default
Overview
Workloads
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Discovery and Load Balancing
Ingresses
Servic
Secret
Name

Monitor your app from enterprise to instance

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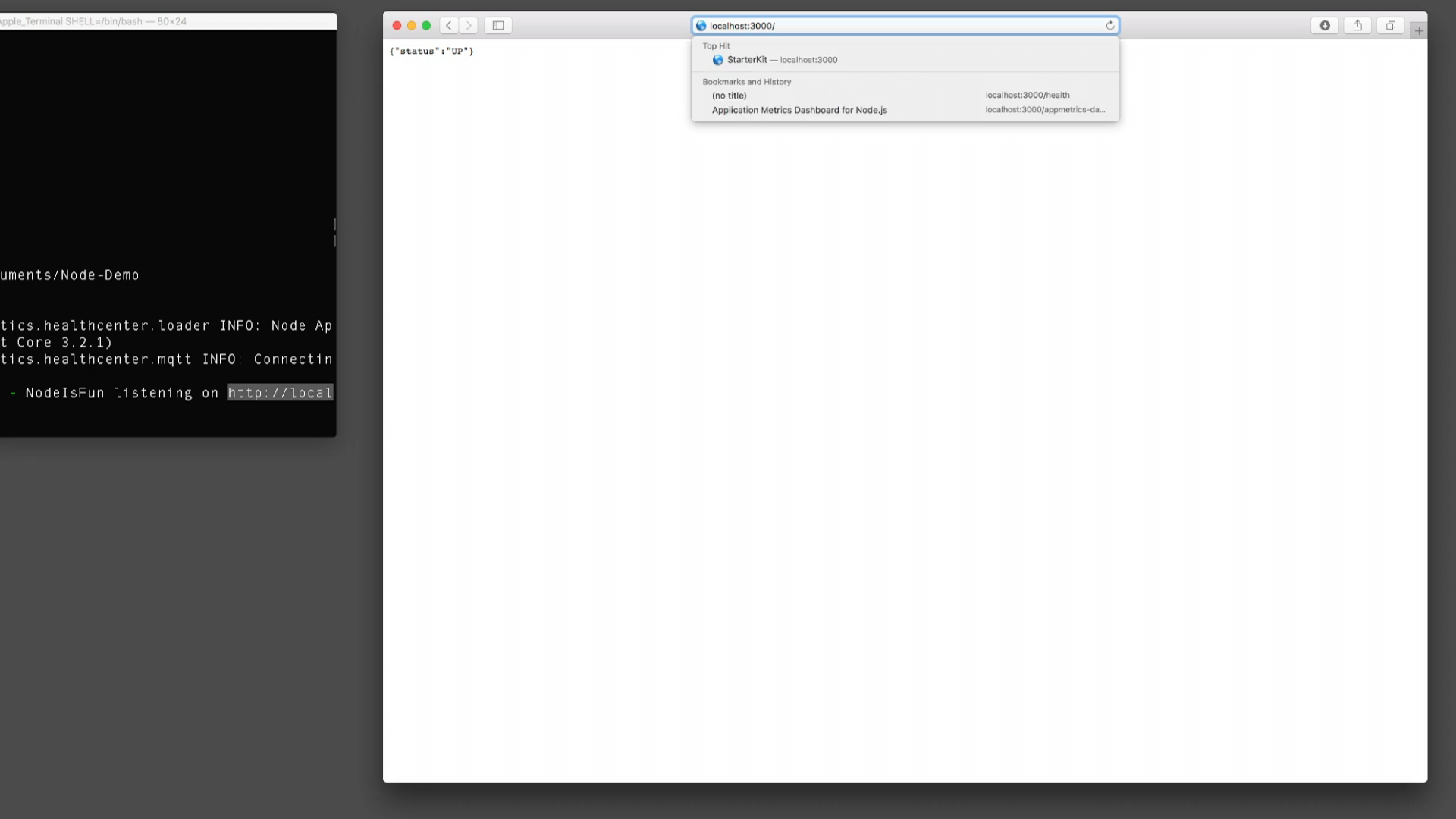
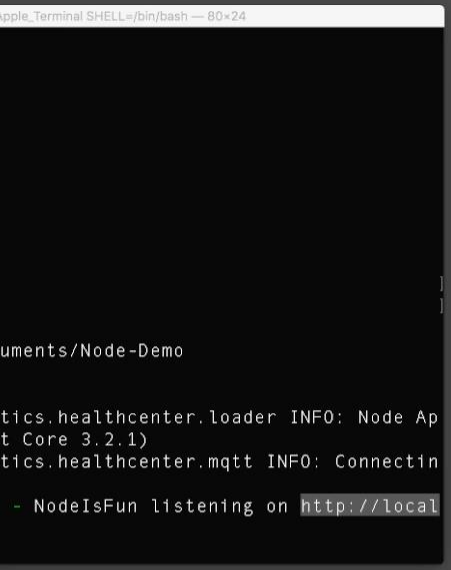
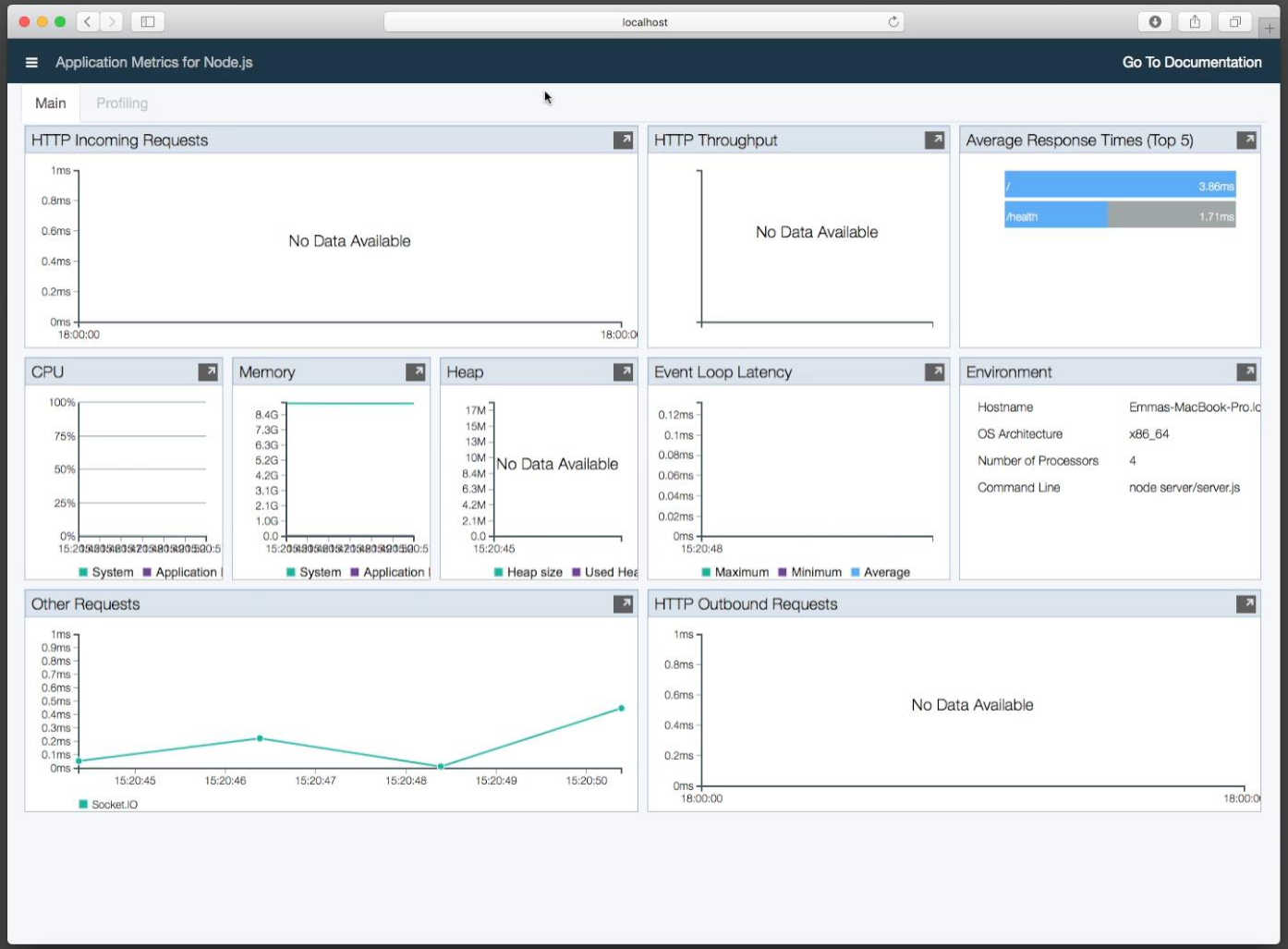

Apple_Terminal SHELL=/bin/bash — 80×24
uments/Node-Demo
tics.healthcenter.loader INFO: Node Ap
t Core 3.2.1)
tics.healthcenter.mqtt INFO: Connectin
- NodeIsFun listening on http://local
localhost:3000/
{"status":"UP"}
Top Hit
StarterKit — localhost:3000
Bookmarks and History
(no title)
localhost:3000/health
Application Metrics Dashboard for Node.js
localhost:3000/appmetrics-da...


uments/Node-Demo
tics.healthcenter.loader INFO: Node Ap
t Core 3.2.1)
tics.healthcenter.mqtt INFO: Connectin
- NodeIsFun listening on http://local


localhost
Application Metrics for Node.js
Go To Documentation
Main
Profiling
HTTP Incoming Requests
No Data Available
HTTP Throughput
No Data Available
Average Response Times (Top 5)
/ 3.86ms
/health 1.71ms
CPU
Memory
Heap
No Data Available
Event Loop Latency
Environment
Hostname Emmas-MacBook-Pro.lo
OS Architecture x86_64
Number of Processors 4
Command Line node server/server.js
System Application
Heap size Used Hea
Maximum Minimum Average
Other Requests
Socket.IO
HTTP Outbound Requests
No Data Available

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Bluemix Blog

Check out news, announcements and how-tos about the many

Tutorial: Introduction to DevOps Continuous Delivery

An introduction tutorial on the IBM

Breathe easy with our trusted runtime and expert support

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Thank you.

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—
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developer.ibm.com/node

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