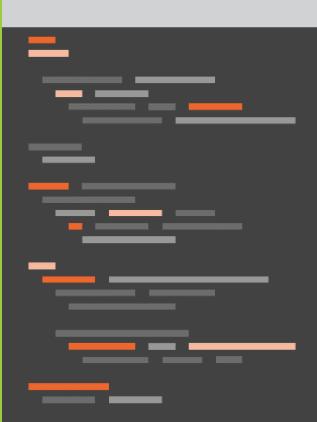


Testing, Deployment and Tools



Mark Scott

@tripletdad99 | markjs.us



Built upon base scaffold



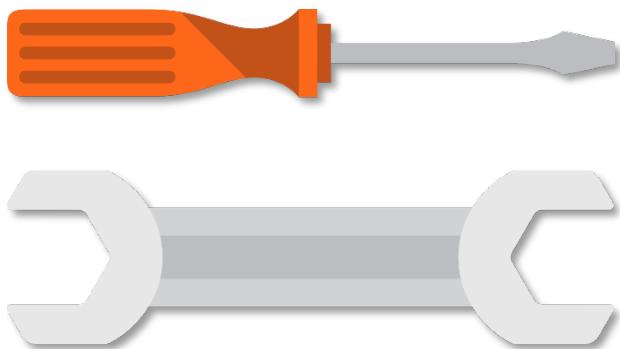
Explored generated tests



Run tests



Build Deploy



Volunteer - Development ×

localhost:3000/#!/needs

Pluralsight Other bookmarks

Volunteer

Home About Volunteer Needs ▾ Mark Scott ▾

Volunteer Needs

Dog Walker

2015-03-14T22:28:30.559Z

We are in need of volunteers to take dogs who are waiting to be adopted on much needed walks. It will do you good too! Evenings and weekends are most needed right now. A typical shift lasts between 1 and 2 hours, so not a lot of your time will be needed. Please consider signing up for this need. If you have any questions, please call the PAWS office number at 888-555-1234 and ask for Sally.

This volunteer opportunity needs 6 volunteers.

[\[Volunteer for this\]](#)

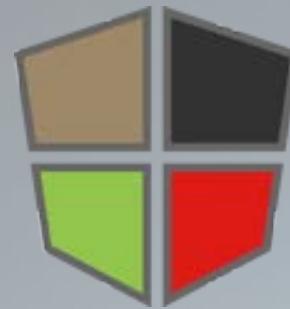
Food Pantry - Client Services

2015-03-14T22:36:58.521Z

We are in need of client services workers to assist the full-time office staff in answering phones, assisting clients, folding brochures and assembling promotional materials, entering data into Pluralsight spreadsheets and databases, making copies, and other miscellaneous clerical duties. Front office volunteers require an additional training session after the regular volunteer orientation. This







MEAN.JS



Running the Test



```
grunt test
```

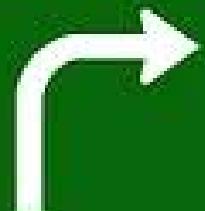


gulp test

RIGHT RIGHT

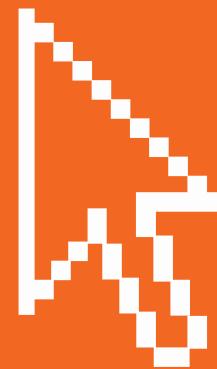


GRUNT



WHO **HOW**
WHEn **?** **WHAT**
WHERe **WHY**

Demo



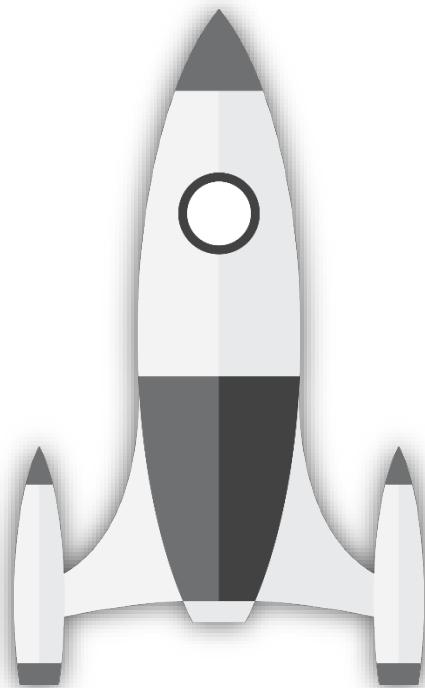
JavaScript Testing Courses



Testing Clientside JavaScript
<http://bit.ly/1F8v5DG>

Node.js Testing Strategies
<http://bit.ly/1dr70kV>

Build and Deployment



-  Replaced CSS and HTML
-  Added New Functionality
-  Installed Packages
-  Tested in the Browser
-  Unit Test Run
-  Time to Launch!



A background photograph of a rocket launching from a launch pad. A massive plume of white and orange smoke billows from the base of the rocket. Several tall, thin metal lattice towers stand in the foreground and middle ground. A dark rectangular overlay contains the text.

grunt build

Cloud Services

Heroku

OpenShift

Microsoft Azure

DigitalOcean

Modulus

Joyent

Heroku | Cloud Application x

Heroku, Inc. [US] https://www.heroku.com

Pluralsight Bookmarks Other bookmarks

heroku

Features Pricing Elements Blog Documentation Support Contact ☰ Log in or Sign up

Focus on the app

[Sign up for free](#)

Powerful platform built
by developers for developers

Focus on building great apps →

The screenshot shows the Heroku dashboard with a terminal window overlay. The terminal window displays the command 'git push heroku master'. The dashboard background shows various application settings and monitoring data.

git push heroku master

Start-up style app dev
fitted for the enterprise

Learn more about Heroku Enterprise →

The screenshot shows the Heroku Enterprise interface. It features two monitoring charts for 'krb-api' and 'krb-foundation' with metrics like requests per second and response times. To the right is a sidebar menu for 'sushi-inc' with options for Apps, Resources, Access, Usage, and Settings. A stylized network diagram is overlaid on the interface.

Get the Forrester Brief: Insights on how to leverage Heroku and Salesforce to build apps for customer engagement →

Features

Build and Run Your Apps, Your Way.

Heroku supports **Ruby**, **Node.js**, **Python**, **Java**, and **PHP** so you can use the languages you already know to build and deploy apps on Heroku. [Learn more about our language support](#) or [sign up now](#).



Build

Once you push your application source code, Heroku prepares it for execution by retrieving the necessary dependencies specific to the

Config

Heroku lets you manage [environment-specific configurations](#) (such as credentials for backing services) separately from your source code for

Run

Sometimes you want to [run one-off dynos](#) on your app—run a script in your app's environment, use your app's console, etc. Using `heroku run`, you can

Heroku | Sign up

Heroku, Inc. [US] https://signup.heroku.com/www-pricing-top

Pluralsight Bookmarks Other bookmarks

Sign up for free and experience Heroku today

Free account

Create apps, connect databases and add-on services, and collaborate on your apps, for free.

Your app platform

A platform for apps, with app management & instant scaling, for development and production.

Deploy now

Go from code to running app in minutes. Deploy, scale, and deliver your app to the world.

First name

Last name

Email

Company name

Pick your development language:

Ruby PHP Python Node.js

I use another language

Java I'm not a developer



PRODUCTS

PRICING

DEVELOPERS

EXPLORE

SUPPORT

DEVELOP, HOST, AND SCALE YOUR APPS IN THE CLOUD

The Open Hybrid Cloud Application Platform by Red Hat



ONLINE

Public PaaS

Host your applications in the public cloud. OpenShift Online automates the provisioning, management and scaling of applications so that you can focus on development and creativity.

[Learn more](#)



ENTERPRISE

Private PaaS

Accelerate your IT service delivery and streamline application development by leveraging PaaS in your own datacenters or private cloud.

[Learn more](#)



ORIGIN

Community PaaS

Explore the community-driven open source upstream of OpenShift. Download the bits, join the growing community, and help extend the functionality of OpenShift.

[Learn more](#)

OpenShift Online Pricing | x

https://www.openshift.com/products/pricing

Pluralsight Bookmarks Other bookmarks

OPENSIFT

PRODUCTS PRICING DEVELOPERS EXPLORE SUPPORT

OpenShift Online Pricing

All monthly plans include **three small basic gears for free** - enough to create three entire web applications complete with private database instances. With our Bronze and Silver plans you can add production gears, extra storage, and more on a cost-per-hour basis. Plus, with the Bronze and Silver plans your applications never idle due to inactivity.

FREE

No credit card required

Host up to 3 web applications in the cloud for free. No expiring trial, contract, or credit card required.

[Learn more ▾](#)

BRONZE

Pay as you go

Free with optional pay-per-use access to extra resources. Plus: team management, Private SSL support, and no application idling.

[Learn more ▾](#)

SILVER

Pay as you go, with support

Add phone and ticket-based support from Red Hat for just \$20/month. Plus: 5GB of extra storage for every gear!

[Learn more ▾](#)

Node.js Getting Started | x

https://developers.openshift.com/en/node-js-getting-started.html

Pluralsight Bookmarks Other bookmarks

MENU OPENSHIFT Log in Sign up free

Node.js

Overview

Getting Started

Project Structure

Environment Variables

Dependency Management

Example: MEAN Stack

Back to Main

Select Language ▾

Powered by Google Translate

Getting Started with Nodejs

In addition to the usual `git` and the `rhc` command-line tools, you'll need to install Nodejs as a local development dependency.

The `npm` package manager comes bundled with all recent releases of Nodejs.

The `rhc` command-line tool makes it easy to provision new hosted application environments - complete with DNS, ssh, and git services.

Step1: Create a Nodejs Application

To launch a new application named `myapp`, using the `nodejs-0.10` web runtime cartridge:

```
$ rhc app create myapp nodejs-0.10
```

OpenShift's default platform features include automatic DNS setup, SSH services, and a git server. The resulting output should contain a live URL where your application will be available:

Simple Cloud Infrastructure X

Digital Ocean, Inc. [US] https://www.digitalocean.com/features/technology/

Pluralsight Bookmarks Other bookmarks

DigitalOcean WE'RE HIRING! PRICING FEATURES COMMUNITY HELP LOG IN SIGN UP

TECHNOLOGY API CONTROL PANEL DISTROS & 1-CLICK APPS RELIABILITY

SSD-Only Cloud

We've created the fastest and most convenient cloud technology to help you easily and more efficiently manage your infrastructure so you can get back to coding. We provide all of our users with high-performance SSD Hard Drives, a flexible API, and the ability to select the nearest data center location.

GET STARTED



Linux Distributions & One X

Digital Ocean, Inc. [US] https://www.digitalocean.com/features/one-click-apps/

Pluralsight Bookmarks Other bookmarks

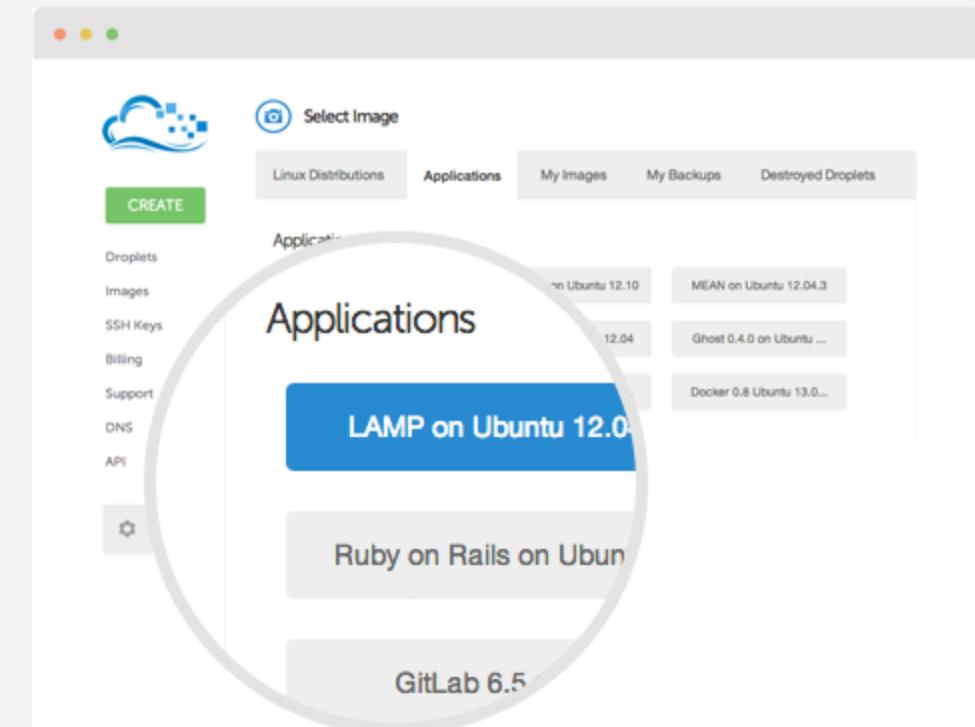
DigitalOcean WE'RE HIRING! PRICING FEATURES COMMUNITY HELP LOG IN SIGN UP

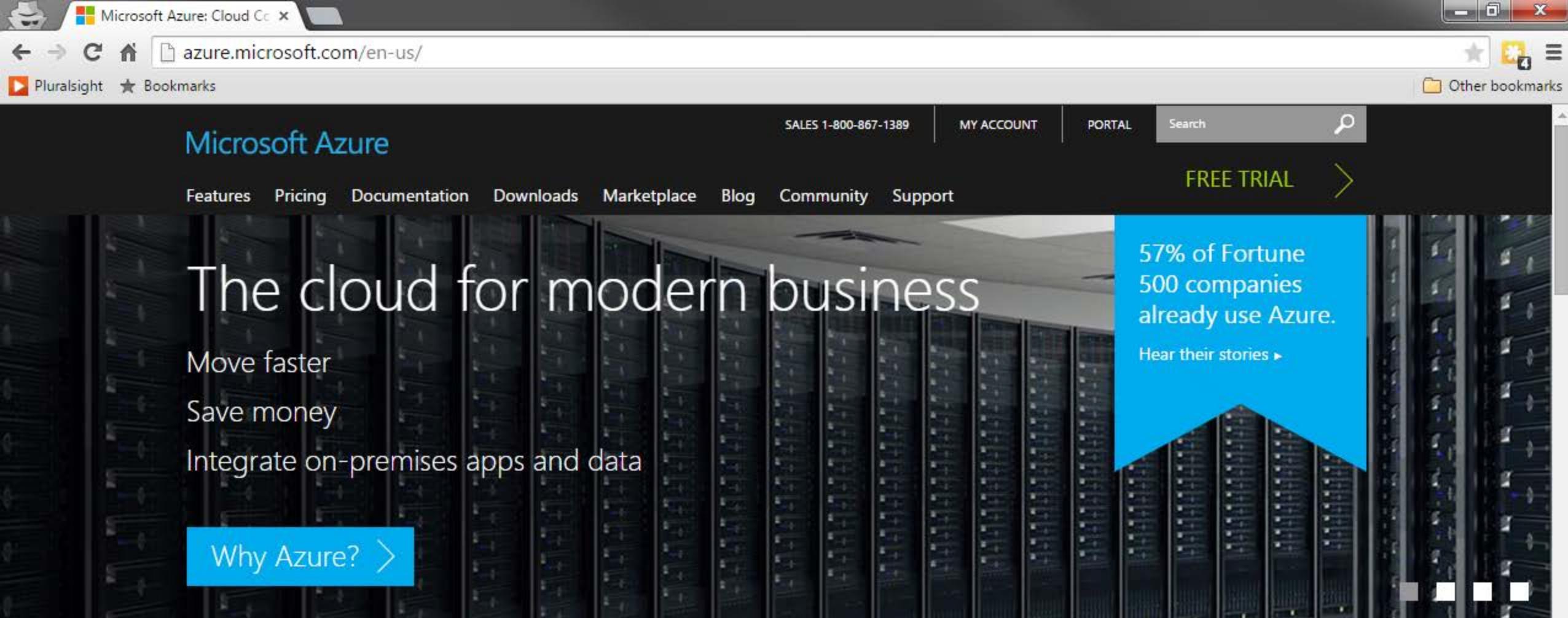
TECHNOLOGY API CONTROL PANEL DISTROS & 1-CLICK APPS RELIABILITY

Distributions & One-Click Install Apps

Choose your favorite Linux distribution or install your favorite application with the simple click of a button. When creating a Droplet, click on the Applications tab and be live on a cloud server in 55 seconds.

GET STARTED





Sign up and deploy your first cloud solution in under 5 minutes

Try for free >

Get Started



Free Webinars



Azure Friday



azure.microsoft.com/en-u x

← → ⌂ ⌄ ⌅ azur... azure.microsoft.com/en-us/develop/nodejs/ ⌁ ⌂ ⌅ 4 ⌃

Pluralsight ★ Bookmarks Other bookmarks

Microsoft Azure

SALES 1-800-867-1389 MY ACCOUNT PORTAL Search FREE TRIAL >

Features Pricing Documentation Downloads Marketplace Blog Community Support

NODE.JS DEVELOPER CENTER

```
npm install azure  
git commit -m "My first Node app"  
git push azure master
```



Create your first Node.js app

Deploy in seconds using Git with Windows, Mac, or Linux. And it's free.

learn more ⓘ

Reference Docs

Blob Service / API / REST

DocumentDB / API / REST

Notification Hubs / API / REST

Queue Service / API / REST

Modernizing Your Website x

www.pluralsight.com/courses/modernizing-websites-microsoft-azure

Pluralsight Bookmarks Other bookmarks

Pluralsight Digital-Tutors Code School

PLURALSIGHT

Browse courses Blog Teach Search Subscribe Sign in

Top tags Popular New releases Products

Modernizing Your Websites with Azure Platform as a Service

"The Cloud" is an increasingly attractive proposition for hosting websites online, and Microsoft Azure is an absolute standout. Their "platform as a service" offerings for both websites and databases offer fantastic features, massive scalability, and attractive pricing. But how will you migrate your sites? What will it cost? And how about security? This course answers those questions and paves the way to move from traditional hosting and into Microsoft's cloud.

by Troy Hunt

Table of contents [Expand all](#)

- ▶ The Azure Cloud Value Proposition 34:57
- ▶ Moving to GitHub 23:32
- ▶ Cleaning up the Application 34:09

[Start free trial now](#)

Course content

Table of contents

Description

Exercise files

Assessment

Feedback & Support



Heroku

OpenShift

Microsoft Azure

DigitalOcean

Modulus

Joyent

A black and white photograph of a person wearing a light-colored jumpsuit, sitting with their hands behind their head in a distressed or overwhelmed pose. The background is dark and out of focus.

DON'T
PANIC

The text "DON'T PANIC" is overlaid in large, jagged, red letters. The letters have a torn, distressed texture, matching the overall mood of the image. The word "DON'T" is on top and "PANIC" is on the bottom line.

Heroku Toolbelt

https://toolbelt.heroku.com

Pluralsight Bookmarks Other bookmarks

heroku

How It Works | Pricing | Add-ons Dev Center | Help Login

heroku toolbelt

everything you need to get started using heroku

Mac OS X Windows Debian/Ubuntu Standalone

[Download Heroku Toolbelt for Windows](#)

What is it?

Heroku Toolbelt is a collection of command-line tools for working with Heroku.



Additional Helpful Tools

Code Editors

Deployment Tools

Database Tools

Visual Studio Code - Code

https://code.visualstudio.com

Pluralsight Bookmarks Other bookmarks

PREVIEW

Visual Studio Code

Docs Connect FAQ

Code focused development. Redefined.

Build and debug modern web and cloud applications. Code is free and available on your favorite platform – Linux, Mac OSX, and Windows.

[Download Code for Windows](#)

Available on other platforms

By installing Visual Studio Code, you agree to the terms and data collection described [here](#)

todos_controller.js - todomvc - Visual Studio Code

File Edit View Goto Help

EXPLORE

WORKING FILES

- todos_controller.js \examples\emberjs\js\controllers
- index.html \examples\emberjs

TODOMVC

- cujo
- derby

```
17     todo = this.store.createRecord('todo', {
18         title: title,
19         isCompleted: false
20     });
21     todo.save();
22     to
23     to
```

SVGPathSegMovetoRel

ASP.NET v5 node JS®

Develop ASP.NET and Node applications at lightning speed

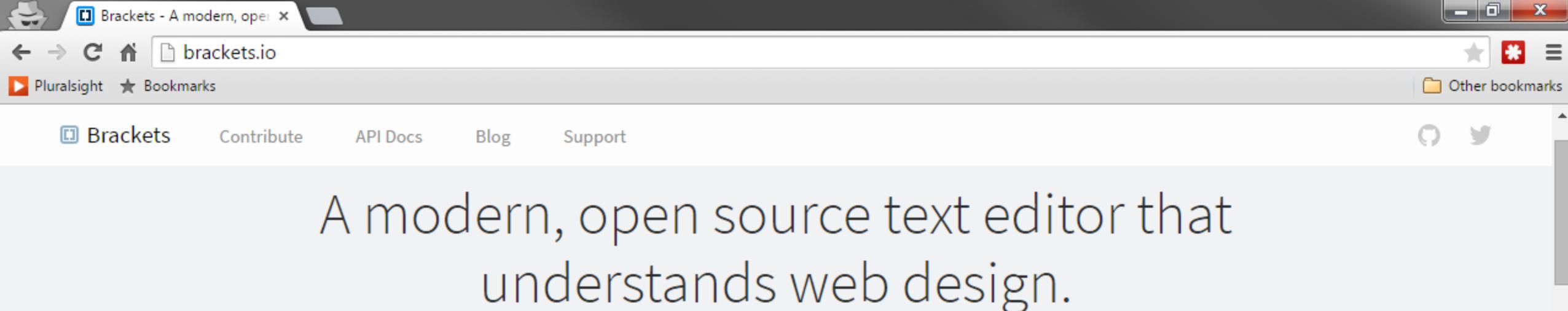
Get started now



Download Code for Linux

Download Code for OS X

By downloading and using Visual Studio Code, you agree to the [license terms](#) and [privacy statement](#) for Visual Studio Code. When this tool crashes, we automatically collect crash dumps so we can figure out what went wrong. If you don't want to send your crash dumps to Microsoft, don't install this tool.



A screenshot of the Brackets IDE interface. On the left is the "Working Files" sidebar with files like index.html, .gitignore, 404.html, blog.html, CNAME, contribute.html, and various CSS and JS files. The main workspace shows code snippets for index.html and bracktes.io.css. A tooltip highlights code hints for "contribute" and "hero". A separate window shows a PSD file named BracketsV1_Contribute_001.psd with a layer named "hero". A callout bubble points from the "hero" layer to the text "You can use Code Hints to extract PSD Layers". Another callout points from the "hero" layer to the text "Brackets is fun to hack on and easy to contribute to.".

Troubleshooting · adobe/

GitHub, Inc. [US] https://github.com/adobe/brackets/wiki/Troubleshooting

Pluralsight Bookmarks Other bookmarks

Brackets Development HOW TO'S

Brackets Extensions
Brackets in Browser
Brackets JSDocs Guidelines
Brackets Node Process: Overview for Developers
Show 173 more pages...

Question not yet answered?

System Requirements

- Mac OSX 10.6.8 or newer
- Windows Vista, 7, or 8/8.1 (x32 and x64) (installer requires administrator access)
- Linux Ubuntu 12.04 or newer (x32 and x64)
- Debian Linux 8 or newer (for Debian 7 compatibility see issue #4816)
- At least 2 GB of RAM for Live Development

Can't Install Brackets

Windows Vista: Nothing happens when launching installer

Some Windows Vista computers will block installers downloaded from the Internet, so nothing at all happens when you try to run the installer. To work around this: right-click the installer file, choose Properties, and click the Unblock button.

Windows error: "Installation directory must be on a local drive"

This can happen on some Windows machines. To work around this, try executing the

Clone this wiki locally
<https://github.com/adobe/brackets>

Clone in Desktop

Sublime Text: The text edi x

www.sublimetext.com

Pluralsight Bookmarks Other bookmarks

Home Download Buy Blog Forum Support

Sublime Text

Sublime Text is a sophisticated text editor for code, markup and prose. You'll love the slick user interface, extraordinary features and amazing performance.

Demonstration - Sublime Text 2

File Edit Selection Find View Goto Tools Project Preferences Help

base64.cc

```
31 void base64_encode(const uint8_t * data, size_t length, char * dst)
32 {
33     size_t src_idx = 0;
34     size_t dst_idx = 0;
35     for (; (src_idx + 2) < length; src_idx += 3, dst_idx += 4)
36     {
37         uint8_t s0 = data[src_idx];
38         uint8_t s1 = data[src_idx + 1];
39         uint8_t s2 = data[src_idx + 2];
40
41         dst[dst_idx + 0] = charset[(s0 & 0xfc) >> 2];
42         dst[dst_idx + 1] = charset[((s0 & 0x03) << 4) | ((s1 & 0xf0) >> 4)];
43         dst[dst_idx + 2] = charset[((s1 & 0x0f) << 2) | (s2 & 0xc0) >> 6];
44         dst[dst_idx + 3] = charset[(s2 & 0x3f)];
45     }
46
47     if (src_idx < length)
48     {
49         uint8_t s0 = data[src_idx];
50         uint8_t s1 = (src_idx + 1 < length) ? data[src_idx + 1] : 0;
51
52         dst[dst_idx++] = charset[(s0 & 0xfc) >> 2];
```

[Home](#)[Download](#)[Buy](#)[Blog](#)[Forum](#)[Support](#)

Sublime Text 2

Download

The current version of Sublime Text 2 is 2.0.2.

[Sublime Text 3](#) is currently in beta, and contains many improvements over Sublime Text 2.

- [OS X](#) (OS X 10.6 or later is required)
- [Windows](#) - also available as a [portable version](#)
- [Windows 64 bit](#) - also available as a [portable version](#)
- [Linux 32 bit](#)
- [Linux 64 bit](#)

Sublime Text 2 may be downloaded and evaluated for free, however a license must be [purchased](#) for continued use. There is currently no enforced time limit for the evaluation.

Please submit feature requests to <http://sublimetext.userecho.com/>. For notification about new versions, follow [sublimehq](#) on twitter.

Version 2.0.2

pstadler/flightplan · GitHub

← → ⌂ ⌂ GitHub, Inc. [US] https://github.com/pstadler/flightplan

Pluralsight Bookmarks Other bookmarks

Flightplan ✈

npm v0.6.2 downloads 3k/month dependencies insecure license MIT

Run sequences of shell commands against local and remote hosts.

Flightplan is a [node.js](#) library for streamlining application deployment or systems administration tasks, similar to Python's [Fabric](#).

A complete list of changes can be found in the [Changelog](#). Support is available on [Gitter](#).

Installation & Usage

```
# install the cli tool
$ npm install -g flightplan

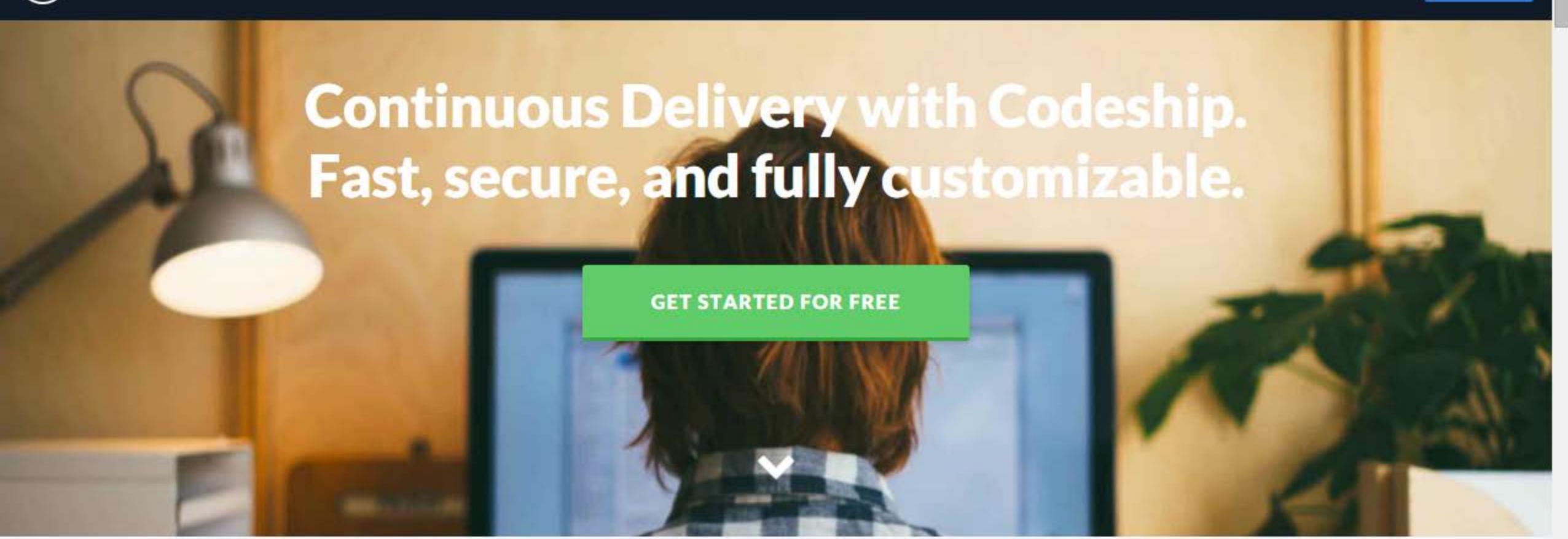
# use it in your project
$ npm install flightplan --save-dev

# run a flightplan (`fly --help` for more information)
$ fly [task:]<target> [--flightplan flightplan.(js|coffee)]
```

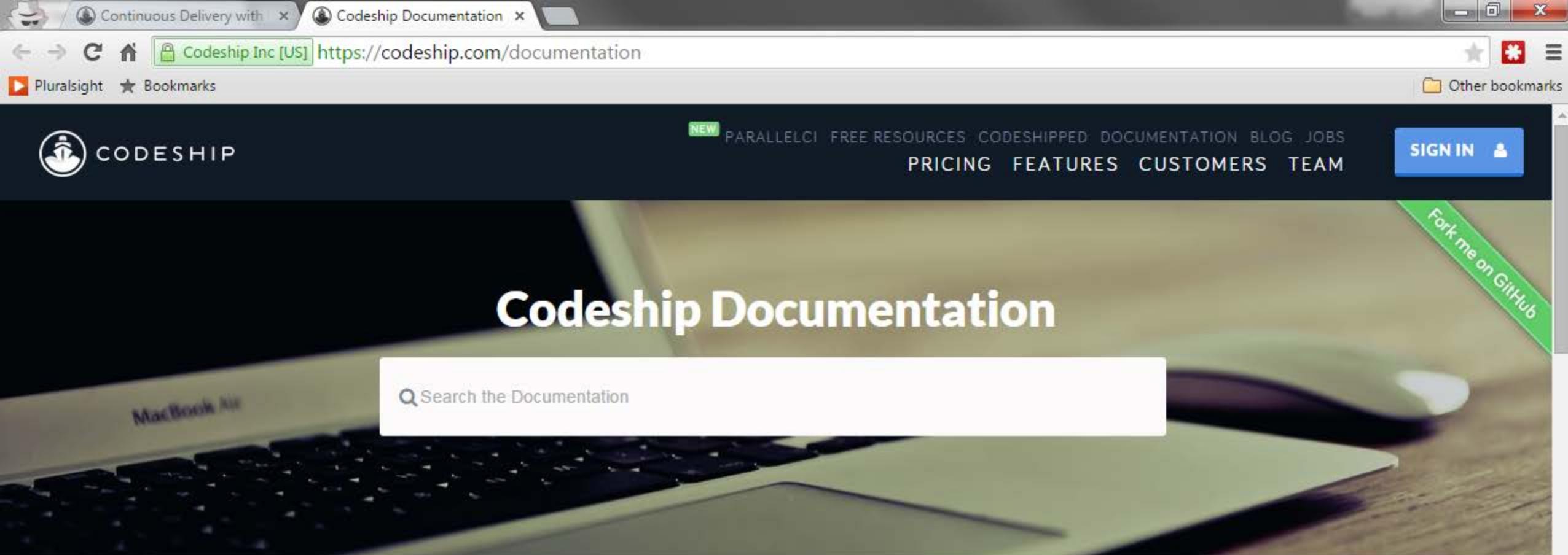
By default, the `fly` command will try to load `flightplan.js` or `flightplan.coffee`.

Sample flightplan.js

A screenshot of a web browser window. The title bar says "Continuous Delivery with x". The address bar shows "Codeship Inc [US] https://codeship.com". Below the address bar are links for "Pluralsight" and "Bookmarks", and a "Other bookmarks" folder icon. The main content area is the Codeship homepage, featuring a large banner with the text "Continuous Delivery with Codeship. Fast, secure, and fully customizable." and a "GET STARTED FOR FREE" button.



Want your team to work 10x more efficiently?



Tutorials

- ▶ Deploy Rails to Heroku
- ▶ Deploy Django to Google App Engine
- ▶ Deploy Node.js to Heroku

Continuous Integration

- ▶ SSH access
- ▶ Browser Testing
- ▶ ParallelCI

Continuous Deployment

- ▶ Deploy to Shelly Cloud
- ▶ Deploy to Heroku
- ▶ Deploy to Google App Engine
- ▶ Deploy to Amazon Lambda

Products - 3T Software La X

3t.io/products

Pluralsight Bookmarks Other bookmarks

3T Software Labs

Home MongoDB Tools Blog Feedback & Ideas About us View Cart

f t You Tube



3T Software Labs

[Home](#)[MongoDB Tools](#)[Blog](#)[Feedback & Ideas](#)[About us](#)[View Cart](#)[MongoChef](#)[Data Compare & Sync](#)[Schema Explorer](#)

3T SOFTWARE LABS

[Visit us on facebook](#)[Follow us on twitter](#)

WE ARE HIRING!

Are you a manatee?

Check out our open positions and find out :-)



MongoDB GUI - 3T Mong

3t.io/mongochef/

Pluralsight Bookmarks Other bookmarks

3T Software Labs Home MongoDB Tools Blog Feedback & Ideas About us View Cart f t You Tube

3T MongoChef – the GUI for MongoDB

MongoDB GUI for Mac, Windows, and Linux

Free Download
Mac, Windows, Linux
Free for Non-Commercial Use

Buy Commercial License
\$99 +VAT

Get a bundle!

Learn more!

FULL SUPPORT FOR MONGODB 3.0

MongoChef · 3T Software Labs

File Edit Database Collection Index Document GridFS View Help

Connect Export Import Users Roles IntelliShell Feedback

IntelliShell: ADX 2.6 direct x

[mongos] chicago-public

db.housing.find({ "community_area.number" : 77 }).limit(1)

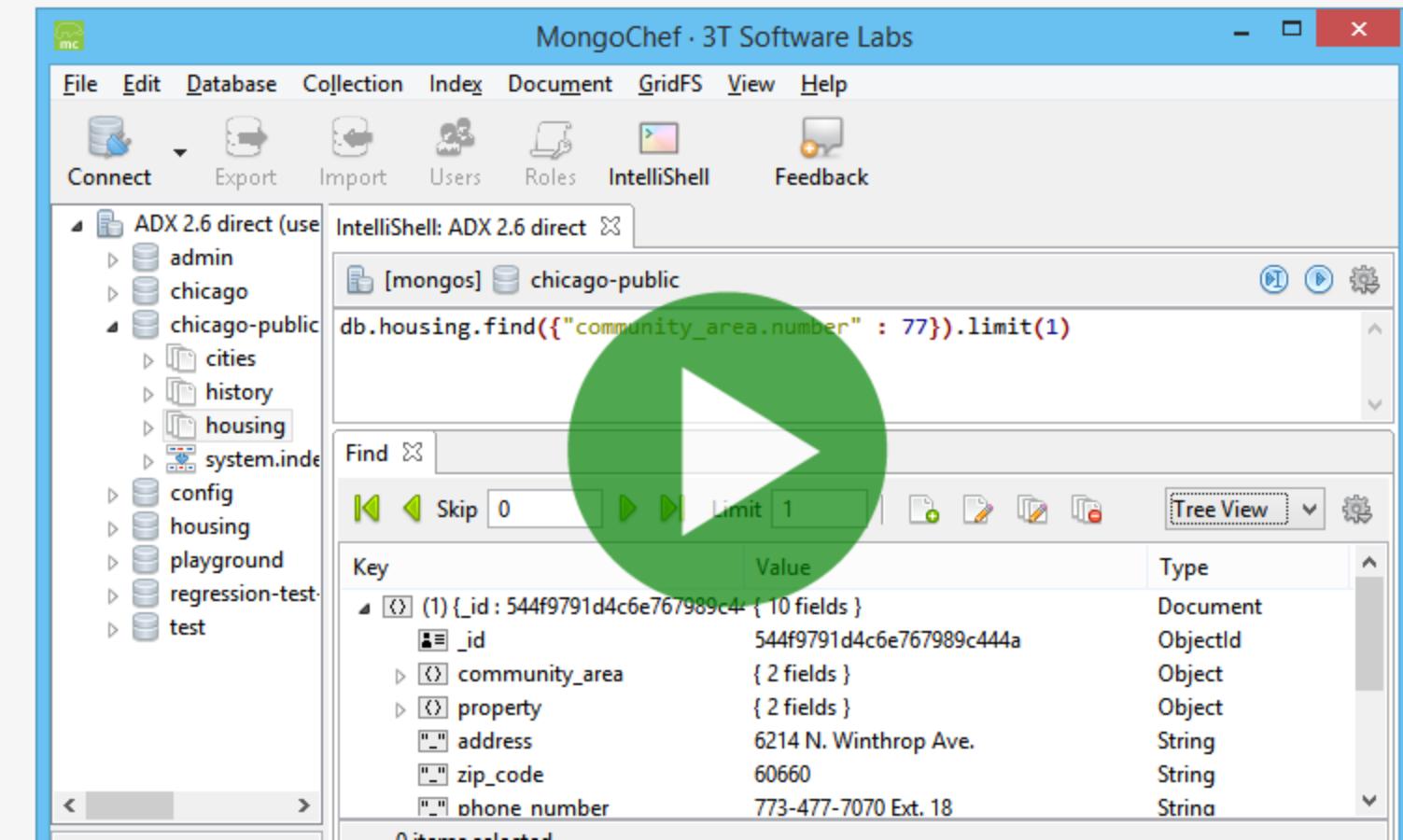
Find x

Skip 0 Limit 1 Tree View

Key Value Type

1 { _id : 544f9791d4c6e767989c4f }	{ 10 fields }	Document
_id	544f9791d4c6e767989c444a	ObjectId
community_area	{ 2 fields }	Object
address	6214 N. Winthrop Ave.	String
zip_code	60660	String
phone number	773-477-7070 Ext. 18	String

0 items selected



Data Compare & Sync for x

3t.io/data-compare/

Pluralsight Bookmarks Other bookmarks

3T Software Labs Home MongoDB Tools Blog Feedback & Ideas About us View Cart f t You Tube

3T Data Compare and Sync for MongoDB

Multi-platform data comparison and synchronization GUI tool for MongoDB

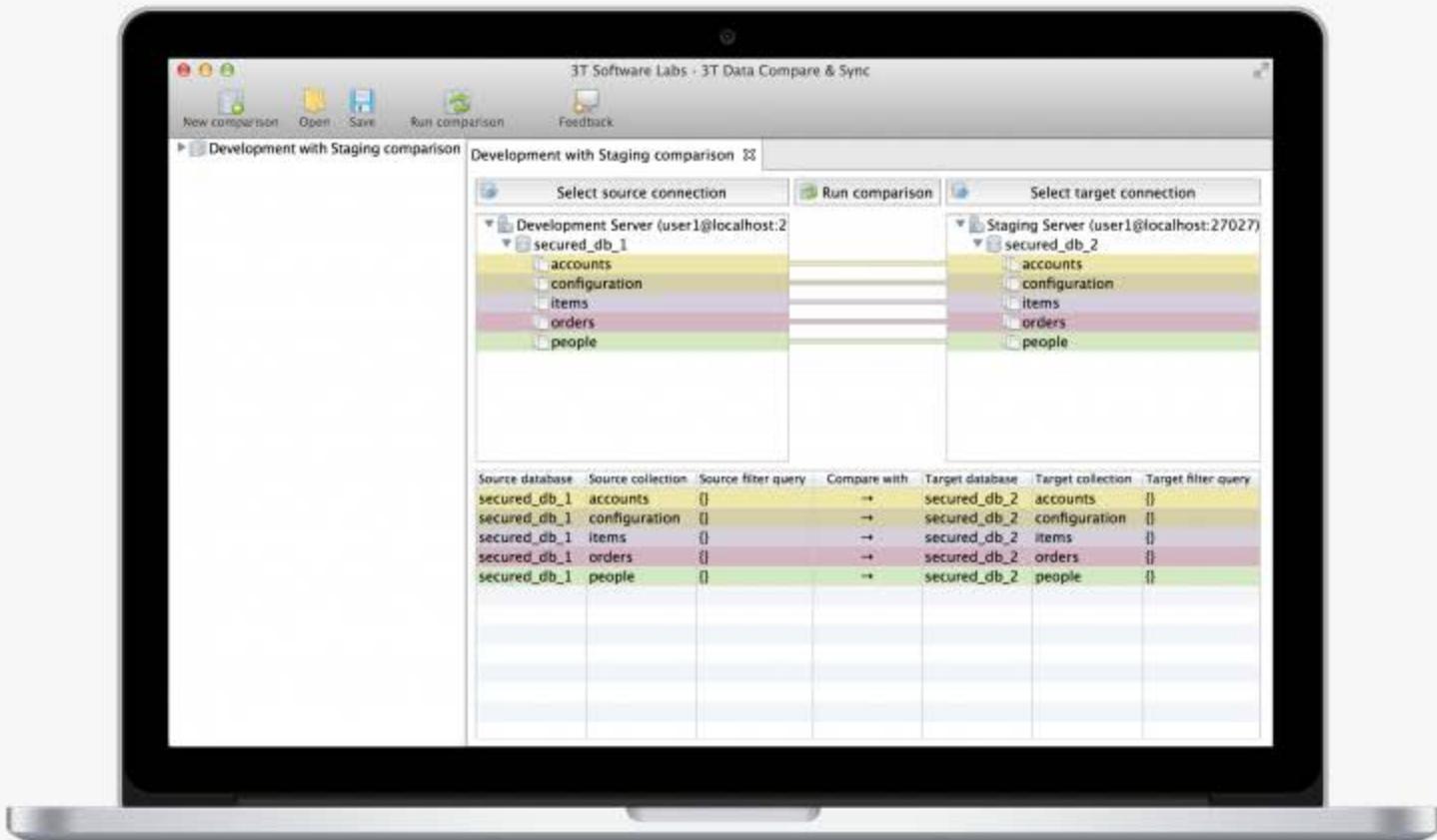
Download
Mac, Windows, Linux
Free Trial

Buy
\$169 +VAT

Get a bundle!

Learn more!

FULL SUPPORT FOR
MONGODB 3.0



Schema Explorer & Docu x

3t.io/schema-explorer/

Pluralsight Bookmarks Other bookmarks

3T Software Labs Home MongoDB Tools Blog Feedback & Ideas About us View Cart f t You Tube

3T Schema Explorer for MongoDB

Multi-platform schema analysis and documentation GUI tool for MongoDB

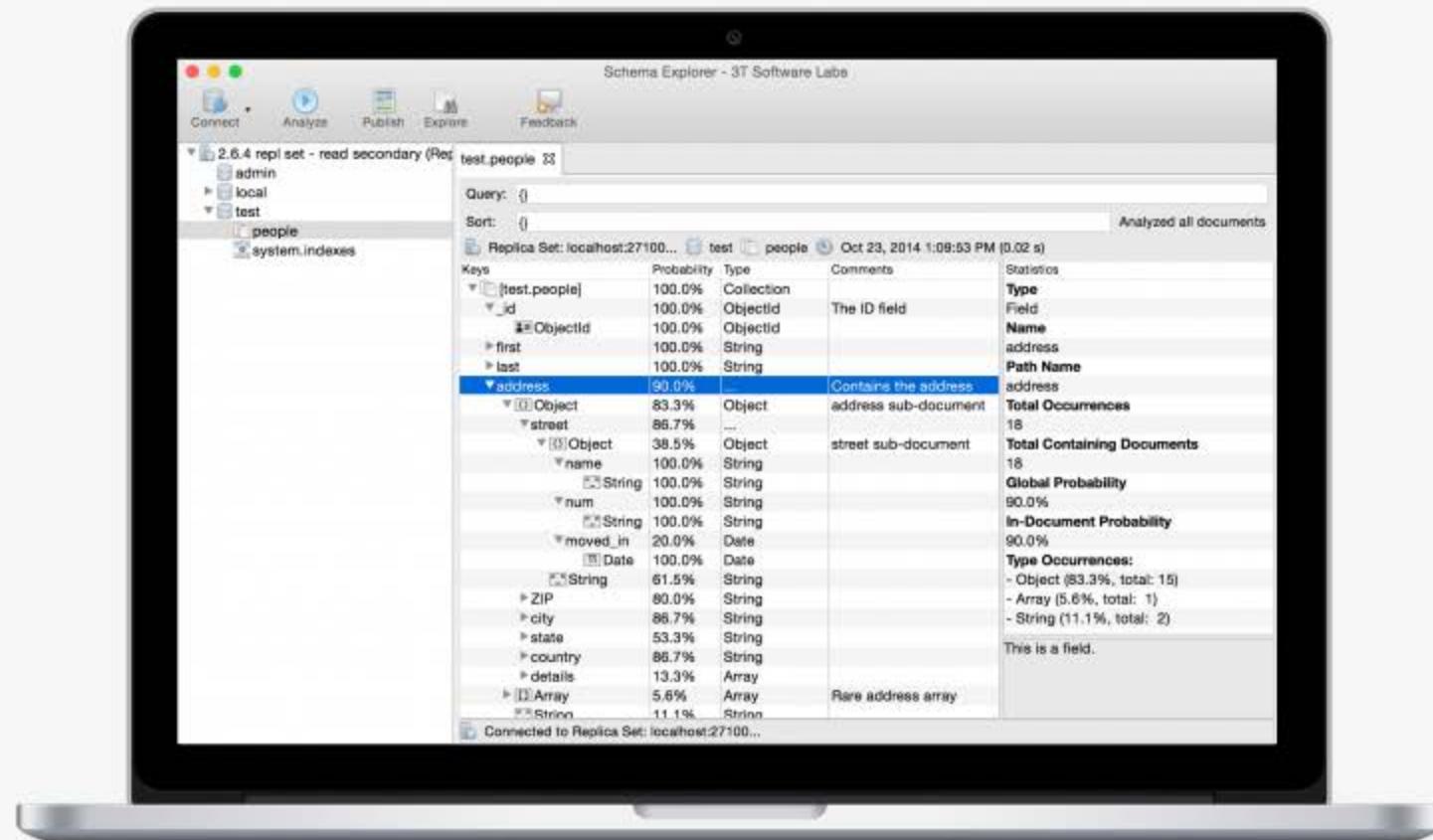
Download
Mac, Windows, Linux
Free Trial

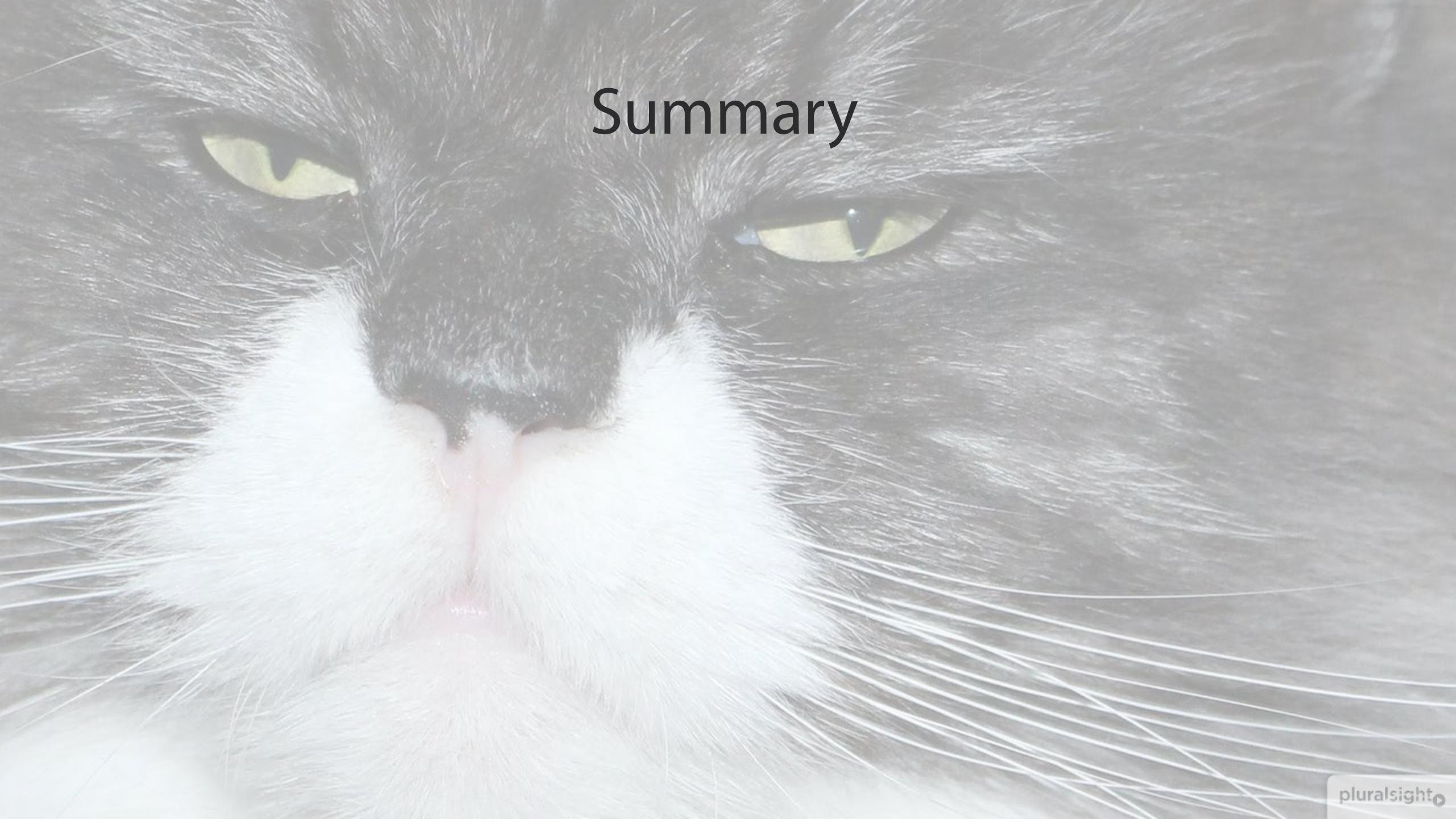
Buy
\$169 +VAT

Get a bundle!

Learn more!

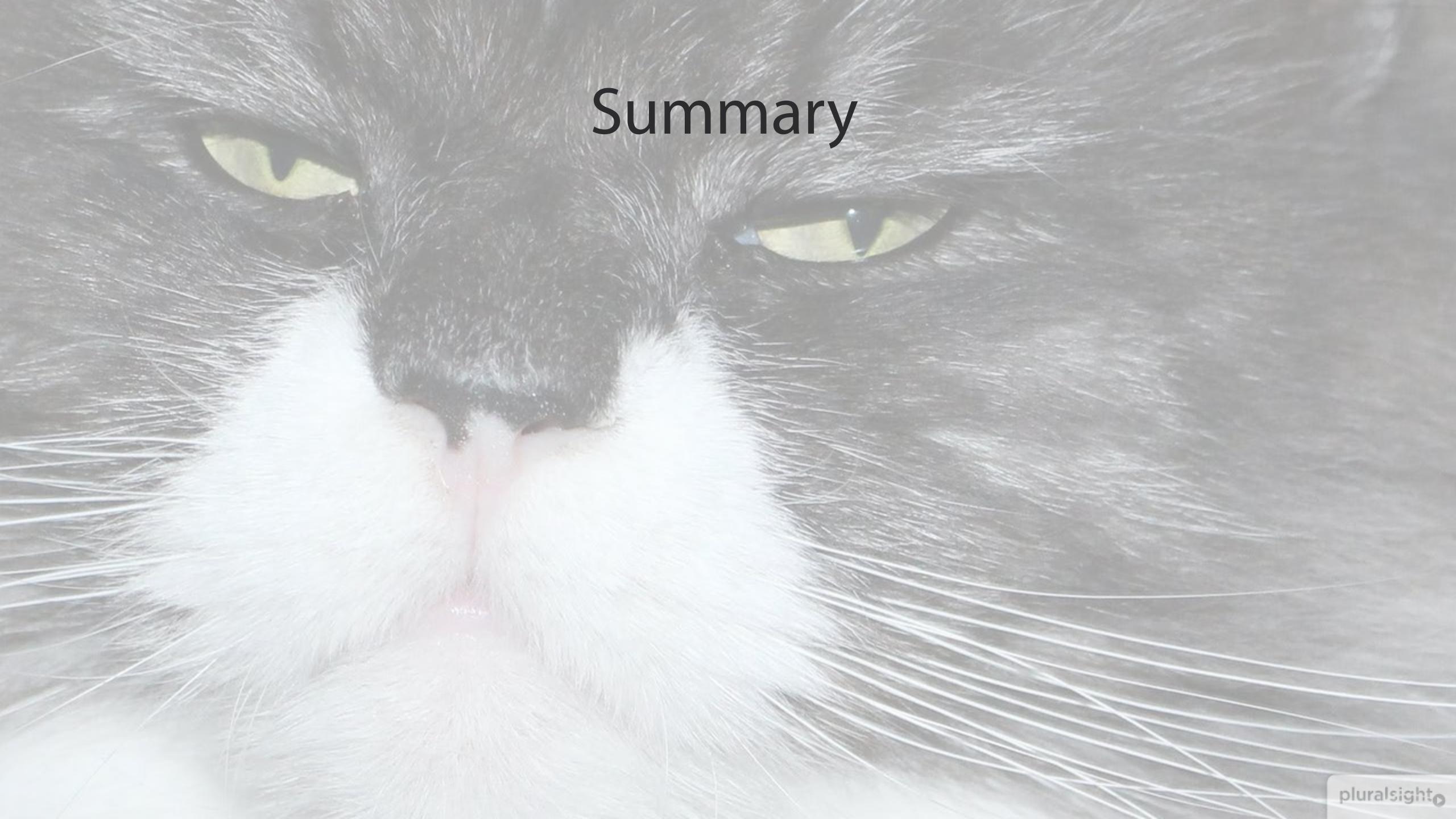
FULL SUPPORT FOR
MONGODB 3.0



A close-up photograph of a black and white cat's face. The cat has dark fur on its top half and white fur on its chin and chest. Its eyes are a striking bright green, appearing to glow in the dark. The lighting is dramatic, highlighting the texture of the cat's fur and the intensity of its gaze.

Summary



A close-up photograph of a black and white cat's face. The cat has dark fur on its top half and white fur on its chin and chest. Its eyes are a striking bright green color, appearing to glow in the dark. The lighting is dramatic, highlighting the texture of the cat's fur and the intensity of its gaze.

Summary