



Wade Wunningham

Principal Developer | Power Home Remodeling


I've spent half my career with Ruby/Rails. Love hiking and exploring the outdoors. More inclined to bend your ear about movies and board games than programming.



Wade Winningham

Keeping the Rails Magic Alive After 18 Years

How Power's app, Nitro, has grown, how we've dealt with that growth, and some open source tools we've created





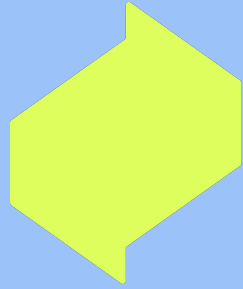
OVERVIEW

01 - WHO'S POWER?

02 - GROWTH

03 - MODULARIZATION

04 - OPEN SOURCE PROJECTS



W H O ' S P O W E R ?







POWER'S LOCATIONS

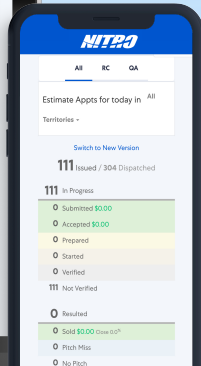
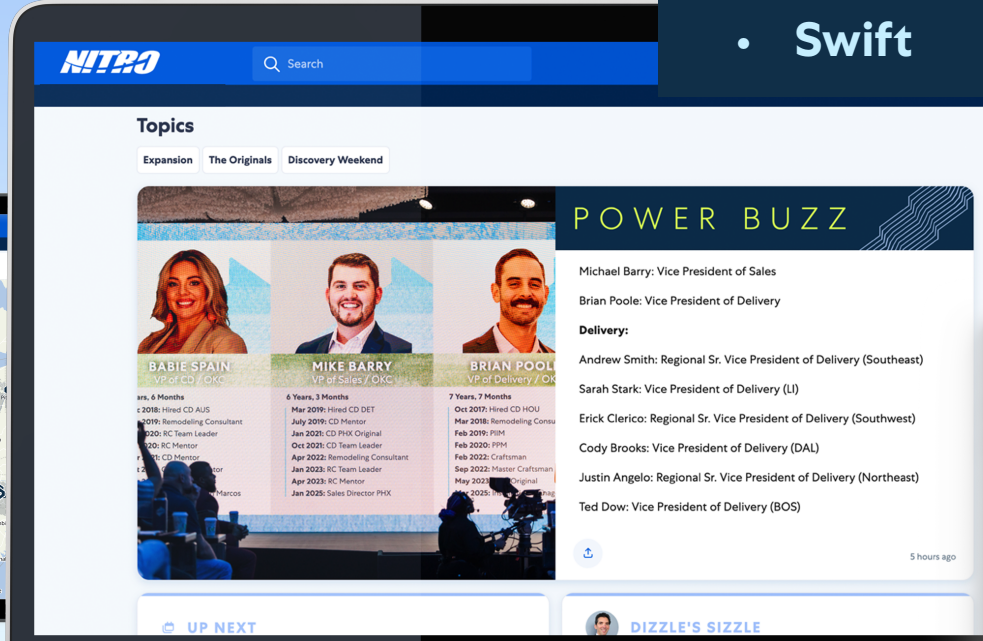
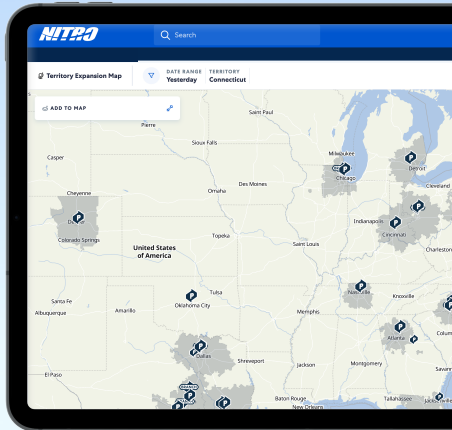
Philadelphia
New Jersey
Maryland
Connecticut
Long Island
Boston
Atlanta
Chicago
Detroit
Houston
Denver
Dallas
Tampa
Austin
Charlotte
Nashville
Phoenix
Pittsburgh
San Antonio
Fort Lauderdale
Las Vegas
Orlando
Cincinnati
Columbus



NITRO

BUILT USING

- Ruby on Rails
- MySQL / Postgres
- Typescript
- React
- Swift



Date	Adj. Date	Customer	Sale \$	Draw	Bonus	Est. Comm.
12/10			2,033			60
12/8			2,817			141
12/4			6,225			
12/4			3,360			
12/26			1,998			
12/19			4,705			
12/28			3,900			
12/22			6,193			
12/21			2,149			
12/14			4,237			
12/15			11,040			
12/20			6,984			

Draws	Date	Type
12/7	D	
12/21	D	

Bonuses

Monthly Bonus:			450
Monthly Totals:	55,641	6,550	450
Quarterly Bonus:			1,350
Quarterly Totals:	279,988	16,100	5,300

Improvelt 360 1.70.28 - [Power Windows & Siding --- Logged in as: Administrator (La...]

Exit Search Reviews & Reports Tools Window Help

Prospect Contacts Sets Sales Financials Receipts Jobs Efforts Notes

119660

Set For: 03/15/08 Sat 1:00 PM Mr New

Result: Sold Comp: GM

Rep 1: Con. Manager ↑ Result Type Status: Issued Price: \$3,240.00

Rep 2: %0.0%

Result Notes: 120ft GM.

Other Notes: MM, Rt 252, monster, ranch w/ reg stand gutt, front & back.

In/Out: Received \$: \$0.00

Set On: 03/12/08 6:29 PM Initial Price: \$2,691.00

Setter: Raibon, C. Conf: Disp: Jones, T.

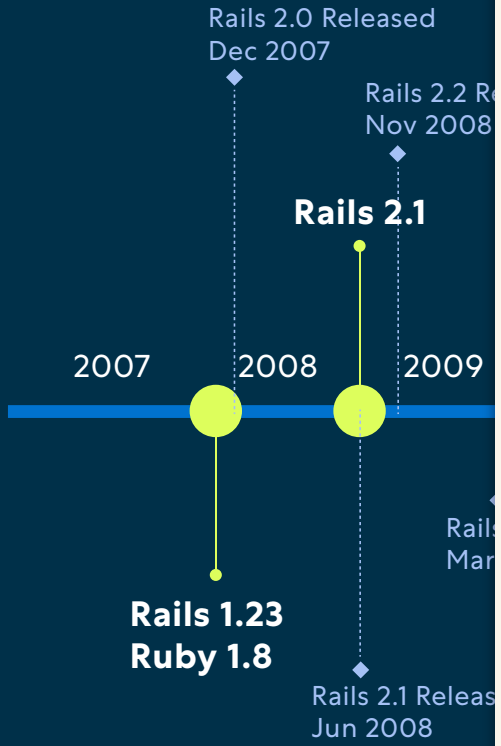
Ignore in Stats?

Record: 1 of 1

Zone 3 Credit

Form View

Type/Keyed	Do/By	Done/For
Precus Rty	4/29/08 Tue	
DNCWaiverCN	3/17/08 Mon	
ExpireDate	6/13/08 Fri	6/13/08 Fri
Closed PIF	4/29/08 Tue	4/29/08 Tue
Payment Rec	4/14/08 Mon	4/14/08 Mon
Comp Cert	4/2/08 Wed	4/2/08 Wed
Install GM	3/29/08 Sat	3/29/08 Sat
Meas GM	3/21/08 Fri	3/21/08 Fri
RTP	3/18/08 Tue	3/18/08 Tue
Sent to Glob	3/18/08 Tue	3/18/08 Tue
Good	3/18/08 Tue	3/18/08 Tue
Approved	3/18/08 Tue	3/18/08 Tue
Snt To Bank	3/18/08 Tue	3/18/08 Tue
Turn In/Proc	3/17/08 Mon	3/17/08 Mon
Sale	3/15/08 Sa	3/15/08 Sat
DNCWaiverTK	3/12/08 Wed	3/12/08 Wed



Sales for [Name] \$2,545,052 career volume

November 2007 Go

Add a Sale New Draw

Date	Adj. Date	Job Number	Customer	Sale \$	Draw	Bonus	Est. Comm	Adj. Comm	Act. Comm	Target	% of Target
11/02	12/03	2217436		\$0			\$0				adjust
11/05		2217448		\$2,692			\$215				adjust
11/07		2217505		\$12,251			\$1,200				adjust
11/08		2217504		\$5,323			\$425				adjust
11/09		2217590		\$9,751			\$975				adjust
11/10		2217539		\$9,107			\$1,000				adjust
11/16		2217668		\$8,617			\$775				adjust
11/17		2217667		\$7,118			\$750				adjust
11/19		2217666		\$15,289			\$1,500				adjust
11/27		2217728		\$17,011			\$1,300				adjust
11/29		2217753		\$12,413			\$1,050				adjust
Draws											
11/09					\$3,500						adjust
11/23					\$3,500						adjust
Monthly Bonus:					\$1,000						
Monthly Totals:				\$99,572	\$7,000	\$1,000		\$0	\$0		
Quarterly Totals:				\$154,610	\$16,000	\$1,450		\$0	\$0		
Yearly Bonus:					\$0						
YTD Totals:				\$1,188,368	\$75,000	\$26,717		\$939,613	\$1,088,658	86%	
											Balance: \$31,384

Notes

11/03 - job cancelled due to a job issue

Show Commission/Bonus Rules

Hingle Mccringleberry
 PHL · Remodeling Consultant (Tier 1)
 User ID: 174959

CAREER VOLUME
\$34,534.93

Sales Plan

May 2025 ▾

Stats Books Statements Activity



Appointments All Appointments

DATE	APPOINTMENT	PROJECT	PRESENTATIONS	COMMISSIONABLE SALE AMOUNT	COMMISSION	CEILING / % OF CEILING
Mon - May 12 5:56p EDT Arrived at: 2:56p EDT Closed on: May 14	37700233 Estimate B. Barker	38-45491 closed Windows	☰ 0 Total	\$11,431.52	\$0.00	\$11,431.52 100.00%
Mon - May 12 3:04p EDT Arrived at: 3:04p EDT	37700234 Estimate V. VonDoom	38-45492 good Roofing	☰ 0 Total	\$13,561.97	\$1,627.44	\$13,561.97 100.00%
Tue - May 13 11:09a EDT Arrived at: 11:09a EDT	37700242 Estimate H. Potter	38- Sid		\$9,541.44	\$1,144.97	\$9,836.54 97.00%

Released 24

Is 7.0

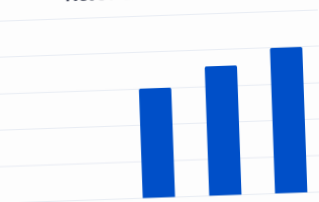
Rails 7.1

2025 2026

uby 3.3

released

Net Sales % 2025



Avg Sale \$ 2025



Monthly Total

SALES \$64,215.92

COMMISSION \$4,567.14

BONUS \$0.00

TOTAL BONUSES \$0.00

CLOSED SALES \$0.00

PER ISSUE \$4,281.00

41 Apts Run for Quarter

Quarterly Total

SALES \$398,863.28

COMMISSION \$35,826.12

QUARTERLY DPI BONUS \$0.00

CEILING / % OF CEILING \$441,935.03
90.25% Ceiling

DRAWS -\$27,992.52

TOTAL BONUSES \$2,600.00

CLOSED SALES \$66,855.50

PER ISSUE \$9,728.00

53 Apts Run for Year

Yearly Total

SALES \$550,822.44

COMMISSION \$49,634.84

YEARLY VOLUME BONUS \$0.00

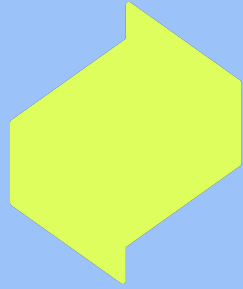
CEILING / % OF CEILING \$612,537.14
89.92% Ceiling

DRAWS -\$70,854.23

TOTAL BONUSES \$7,600.00

CLOSED SALES \$212,570.81

Totals as of 05/15/2025 2:31am EDT



G R O W T H



NITRO NOW HAS **OVER** **3 MILLION** LINES OF CODE

Language	files	blank	comment	code
Ruby	51,428	592,820	669,401	3,065,575
ERB	5,774	19,831	666	248,312



BUILD

vs.

BUY

Build vs Buy

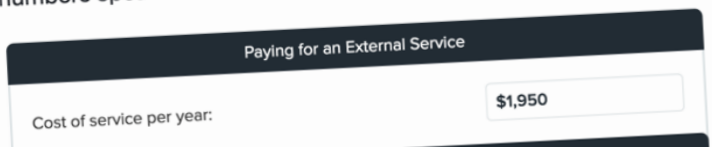
Mike Perham edited this page on Apr 2 · [10 revisions](#)

Open Source software is great, why should you pay money for Sidekiq Pro or Enterprise when you can build it yourself?

Pricing

A senior developer is typically \$10,000/mo or more. The price of Sidekiq Pro is \$99/mo and Sidekiq Enterprise starts at \$269/mo. Is your business building infrastructure or user functionality? How many days or weeks will it take your team to piece together similar functionality? How long will they spend fixing bugs in production? **Paying money for good infrastructure means you have more time to focus on user-facing features.**

Baremetrics has a [Build vs Buy calculator](#). Here's some **extremely** optimistic projections, now let the numbers speak for themselves:



Pages 60

Find a page...

- Home
- Active Job
- Advanced Options
- API
- Batches
- Best Practices
- Build vs Buy
 - Pricing
 - Features
 - Support

YOU CAN GET CAUGHT OFF GUARD

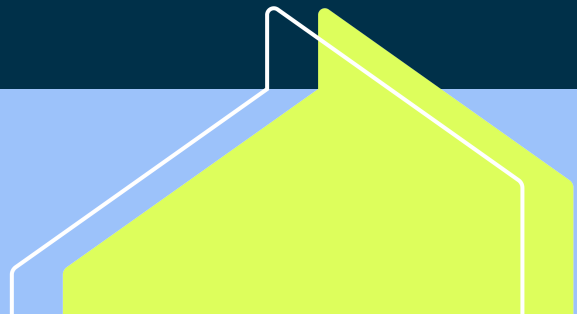


nate berkopec

@nateberkopec@mastodon.social

Usage based pricing in observability tools is designed to be confusing. "Wow, I get 10 million spans a month for free!"

Then you find out each request to your system generates 1,000 spans and you hit your quota in 3 hours.





CULTURE IN CODE

Knowledge

Control

Scale

OUTSIDE SYSTEMS CAN BE A TAX ON YOUR BUSINESS

Make teamwork more productive

- Business+ plan pricing will increase to \$15 from \$12.50 per user per month³ to reflect the significant value added through new advanced AI capabilities and premium Salesforce integrations.

Free

The quickest and easiest way to try

\$0 USD/mo
free forever

better collaboration

50% OFF FOR 3 MONTHS*

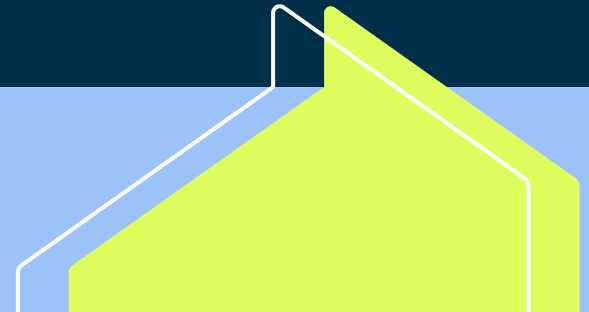
~~\$8.75~~ **\$4.38** USD/mo
per user / month, when paying monthly

productivity, and keep your teams
connected

\$15 USD/mo
per user / month, when paying monthly

at every level of your enterprise

Contact sales for pricing



Dashboard Sourcing Candidates Reports Job Setup

Back to search results

Bark Ruffalo
Software Engineer at Underdog.io
Write a headline about Bark...

On 1 Job Activity Feed Details Private

Senior Engineer
Imported From Underdog.io (Chris Mulk)

Move Stage Reject

1. Application Review (Current Stage) Applied on May 31, 2017 | May 31, 2017

All Jobs 4 New

Recruiting 54 Jobs 49 for you 13 Projects 13 for you

Sales 130 total 113 for you 32 leads

Viewing All Jobs Group by Company Sort

95 5 8 101
Ian Remington, Katelyn Glass, James Platt, Jobs

1st Update (1)

1st Update - Accounting/Finance #685 - Open For Recruiting
Ian Remington
11/22/2020

5 Points Animal Hospital (2)

5 Points Animal Hospital - Full Time Jobs #2 #604 - Lost
Ian Remington
5/17/2020

5 Points Animal Hospital - Full Time Jobs #3 #605 - Lost

keka Keka Docs Search employees or actions (Ex: Apply Leave, Attendance Approvals)

Marie Curie NOT IN YET 9238103281 ID Card

India HD - Delhi nishanthvarier@gmail.com

REPORTING TO Nishanth MV EMP NO 6

DEPARTMENT Finance BUSINESS UNIT Executive Management

ABOUT PROFILE JOB TIME DOCUMENTS ASSETS FINANCES EXPENSES PERFORMANCE

changes pending approvals

Admin Tools Customize Cards Field Permissions

Contact Details

PERSONAL EMAIL -Not Set-
WORK PHONE -Not Set-
SKYPE -Not Set-

WORK EMAIL nishanthvarier@gmail.com

JOBS CANDIDATES EMPLOYEES TIME OFF FILES REPORTS

Customer Service Representative

5674 Operations Boston, MA, USA 3 requisitions

All 239 Sourced 123 Applied 232 Shortlisted 23

Qualified Disqualified 2

Search by name, skills, tags and more...

Emily Johnson Customer Service Representative
Applied about 1 month ago via LinkedIn

Jacques Allard Support Service Representative
Applied about 1 month ago via Indeed

Aaliyah Jackson Customer Support Representative
Applied about 1 month ago via LinkedIn

Tyler Anderson Technical Support Agent

Candidates

Owned by me

My Jobs Show Search

Lead 7 NEW LEADS

Applicant 4 REACHED OUT

Interview 3 RESPONDED

REACHED OUT

Sonia Lopez Financial Planner and Analyst

Reid Wu Lead Optimization QA

Jerome Higgins Assistant IT Administrator

Interview Recruiter Screen

icims Create Search Report Communicate Library Person Quick search

Lenny Johnson Lead Cloud Security Architect M.A. Computer Science New York, NY

Most Similar Candidates to Lenny Johnson

Elizabeth Garcia Lead Cloud Security Architect M.A. Computer Science New York, NY

Mark Levitt Lead Cloud Security Architect M.A. Computer Science New York, NY

Similar Skills Similar Experience

SUBMIT TO WORKFLOW

More Similar Candidates to Lenny Johnson

Similarity	Name	Current Role	Education
100%	Amelia West	Cloud Security Architect	B.S. Computer Science
100%	Michael Smith	Security Engineer	M.A. Computer Science

Welcome to Zylker's Client Portal

Home Job Openings Candidates Interviews Teammates

Job Openings 10

Assessed Candidates 8

Interviews 5

8 IN PROGRESS

3 COMPLETED

6 YET TO START

15 TOTAL JOB OPENINGS

All Job Openings

POSTING TITLE	TEAMMATE NAME	JOB OPENING OWNER	JOB OPENING STATUS	CLIENT NAME	NO OF CANDIDATES
Web Site Designer	Quinn Rivers	Patricia Boyle	Submitted		
Product Consultant	Jacqueline Murrell				



COMPLETED (3)

↑ Candidate ▾

Lebron James 8737300
Business Technology Coordinator 9
Business Technology in Philadelphia



Last Status: Offer Accepted

Major Payne 8737302
Associate Nitro Support Ninja 3536
Business Technology in Philadelphia



Last Status: Offer Accepted

Daniel Smith 8737301

PAST DUE (10055)

↑ Candidate ▾

Dean Winchester 8731409
Customer Development Apprentice 3653
Customer Development in Denver



Last Status: New

Sam Winchester 8688000
Angels Renovation INC.
Installer 108
Operations - Field in Connecticut

TODAY (12)

Tony Stark 5666902
Hiring our Heroes Fellow 2936
Military Affairs in Philadelphia



Monday, May 12, 2025 at 3:00 PM - 4:00 PM EDT

Hingle McCringleberry Remodeling Consultant
1000000006 ACTIVE Sales - PHL

Recruiter Caitlin Ablaza (222) 333-4444

1st Interview with Charles Xavier @ 3:00 PM on 5/12 Add to your personal calendar

Arrived Cancel Interview



Reject Follow Up

Monday, May 12, 2025 at 3:00 PM - 4:00 PM EDT

Hingle McCringleberry

1000000006 ACTIVE

Remodeling Consultant
Sales - PHL

Recruiter
Jon Wick

INTERVIEW NOTES

Showed up 3 minutes early and immediately complimented our office plants—great start. Had a strong handshake, possibly trained in bear combat. When asked about their biggest weakness, admitted to “replying to emails mentally but forgetting to actually hit send.” Relatable.

Philadelphia, PA

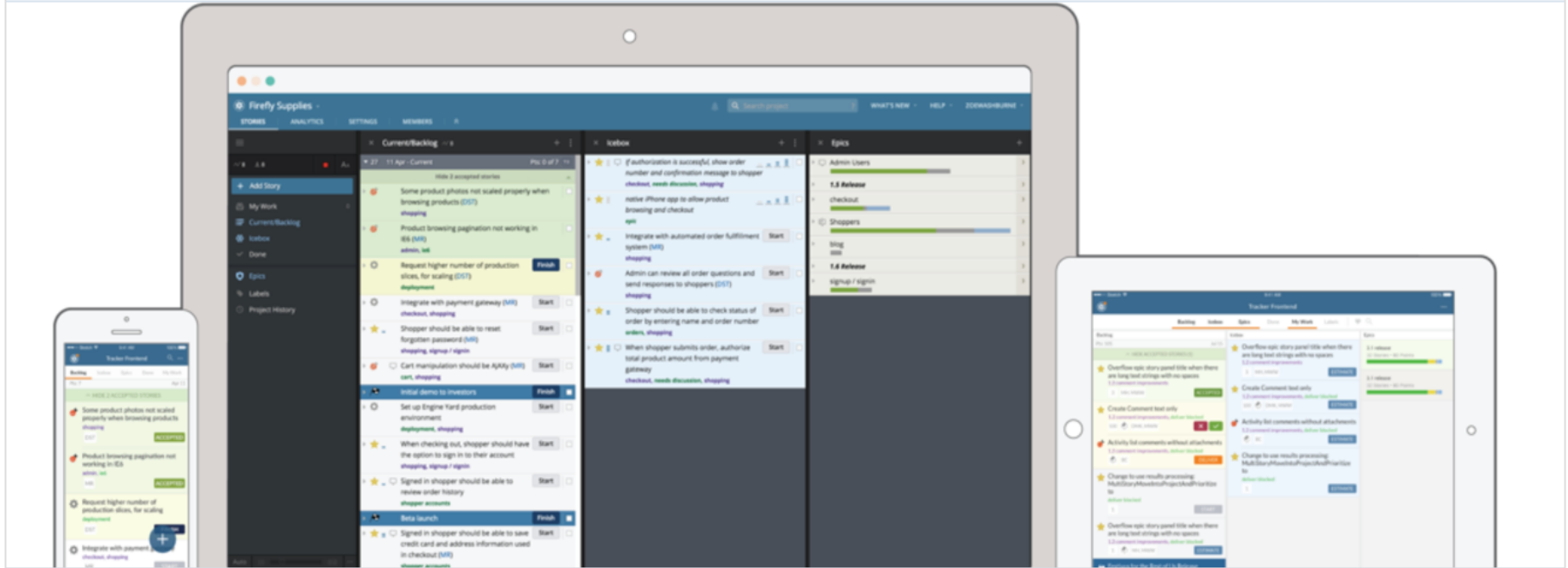
APPLIED TO
Remodeling Consultant 141
Customer Development & Sales PHL - Chester, PA

INTRODUCTION BY
AIGA.org

Documents

Applications

Application Screening



- GROUP Business Technology
- Flight Control
- Metrics
- Radar
- Tag Report
- Teams
- TEAMS Heroes for Hire
- Active Sprint
- Backlog
- Closed Sprints
- Retrospective
- Team Settings

KAIZEN: Go over Implementation Plan for Rails 7.1 Upgrade

Queued	In Progress	Review
<p>HFH-3034 1m left</p> <p>2025 2nd Qtr OKRs</p> <p>HFH-2029 4y left</p> <p>Team Documents</p> <p>HFH-2877</p> <p>[Story Template]</p> <p>HFH-2280</p>	<p>HFH-2674</p> <p>[Rails 7.1 Upgrade] Clean Master Build</p> <p>Rails 7.1</p> <p>HFH-2826</p> <p>Tempo Rails 6.1 - Update nitro_object_store</p> <p>tempo</p> <p>HFH-2953</p> <p>[Permission Groups] Plan out new roles for</p>	<p>HFH-2975</p> <p>[Nitro] Access Issue for MySQL 8.0</p> <p>MySQL 8.0</p> <p>HFH-3015</p> <p>[Nitro] Data Correction inventory_serialized_...</p> <p>MySQL 8.0</p> <p>HFH-3116</p> <p>Updating the base im that Nitro runs on from version 11 (bullseye) o Debian to version 12</p>

Runway

All Teams Search

GROUP Business Technology

- Flight Control
- Metrics
- Radar
- Tag Report
- Teams

TEAMS



Runway

All Teams Search

No Filter Selected

Expand Domains

Q2 2025

MAR APR MAY

Business Support

- Green Lantern Corps
 - CD Shift to Hourly
 - Accounting Enh...
 - Ser...
 - Chart of Ac...
 - Multi-Destinati...
- Infinity Inc
 - Pay Plan Acknowledgements
 - TA Books
 - Secure Payments Tab
- Legends of Tomorrow
 - Sales Dir...
 - Accruals (Sales)
 - Service Technici...
 - Com...
- Masters of the Universe
- The Outsiders
 - Pulse Homeowner Service Tic...
 - Service Quote ...
 - Pulse Adopt-a-Sign
 - Em...
 - Custom

Mar 31 Nitro - IPv6 in Doc. Sig's

- Alannah Hunt ▾
- Jonathan Gonzalez
PHL • Nitro Quality Ninja
 - Nitro Runway**
PHL • Digital Assistant 4
 - Brandon Pridgen
PHL • Sr. Nitro Quality Ninja
 - +2 Jonathan, Brandon, & Gio...
 - Jonathan & Tony
 - Alexandre Hauber
PHL • Nitro Sr. Mobile Application...
 - Matthew Reyes
PHL • Nitro Test Automation Engi...
 - Kurstyn Storms
PHL • Nitro Developer
 - Andrew Kloecker
PHL • Nitro Developer
 - +2 Jonathan, Andrew, & Tony
 - Sean Smith
PHX • Remodeling Consultant
 - +3 Jourdan, Kurstyn, Meaga...
 - Tony Tran
PHL • Nitro Quality Ninja

Jonathan Gonzalez 🔍

Hi there!
👏 1 😊+

Jonathan Gonzalez 2:53p
hey! what's up? Hope you're having a great day!

Alannah Hunt 2:54p
So far so good! Lots of meetings today

I can't wait for the weekend!!

Jonathan Gonzalez 2:54p
oof that's rough, i've had a long day testing these stories! Too much data :(
😓 1 😊+

Jonathan Gonzalez 2:55p
But i agree, im excited for this weekend too!
❤️ 1 😊+

Alannah Hunt 2:55p
I'm going to the beach! Hopefully it's good weather!
😄 1 🌂 1 😊+

Jonathan Gonzalez 2:55p
I hear it's going to be windy, potential for some hail!
👉 1 😊+

Message Jonathan Gonzalez

[matrix]

An open network for secure, decentralised communication

matrix.org

Wade Winningham ▾

EVENTS

PLAYBOOK 284

POWER RAILS CONF PHILADELPHIA, PA

EVENT DETAILS

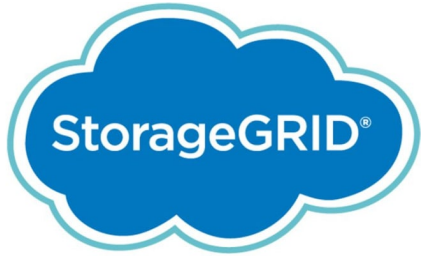
HOTEL INFO

PACK LIST

Mark Ro nitr



 **NetApp**



vmware®



kubernetes



WE DON'T BUILD EVERYTHING!

- Github
- Sentry
- PagerDuty
- Shiplt
- NewRelic
- Zoom (okay, maybe one day...)

* If it's utilitarian or not core to our business, we'll buy it.



WHY BUILD VS. BUY?

KNOWLEDGE: Customized for us

CONTROL: We own and secure our own data

SCALE: No billing surprises

The enterprise value we've gained is multiples greater than what we've spent having done this long-term.

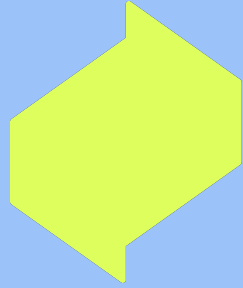


IS THIS FOR EVERYONE?

NO!

We are an established, profitable business that *can* do this.

Provide what your business needs now.
But have your eye on the future.



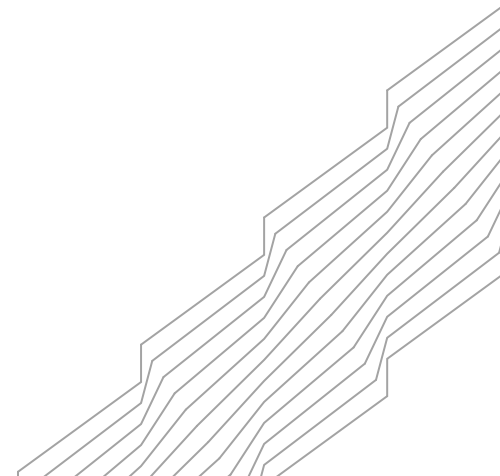
MODULARIZATION

MONOLITH

n o u n

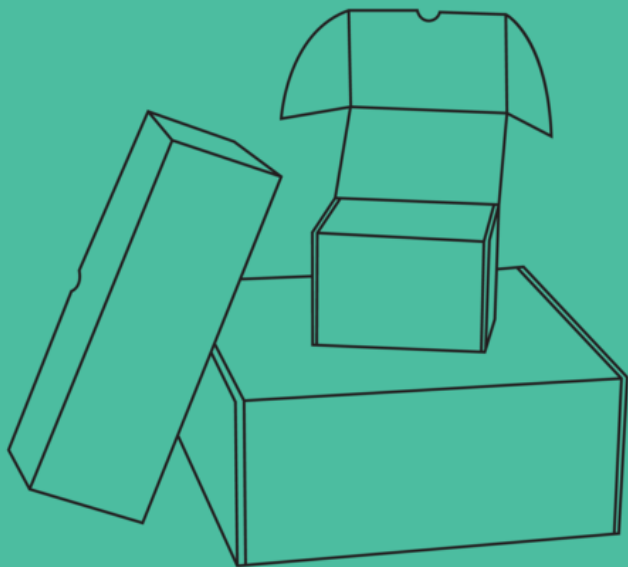
: a massive structure

: an organized whole that acts as a single unified
powerful or influential force



GRADUAL MODULARIZATION FOR RUBY AND RAILS

IMPROVE COLLABORATION,
SYSTEM DESIGN, AND FLEXIBILITY



P A C K W E R K

STEPHAN HAGEMANN

<https://gradualmodularization.com>



COMPONENT-BASED RAILS APPLICATIONS

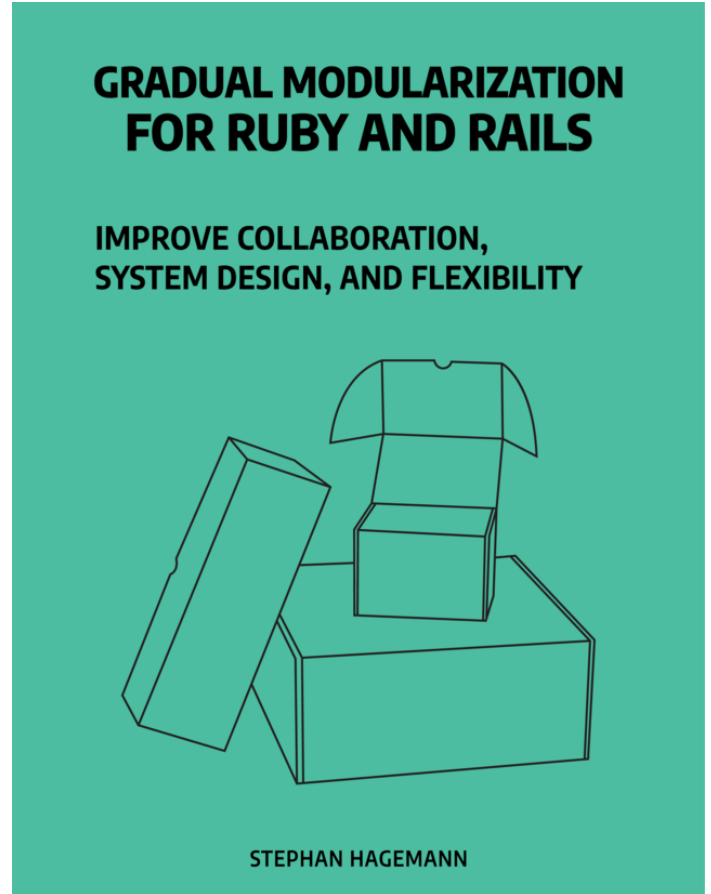
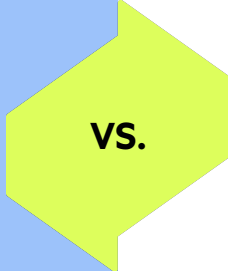
Large Domains Under Control

STEPHAN HAGEMANN

COMPONENT- BASED RAILS APPLICATIONS

STEPHAN HAGEMANN

<https://cbra.info>





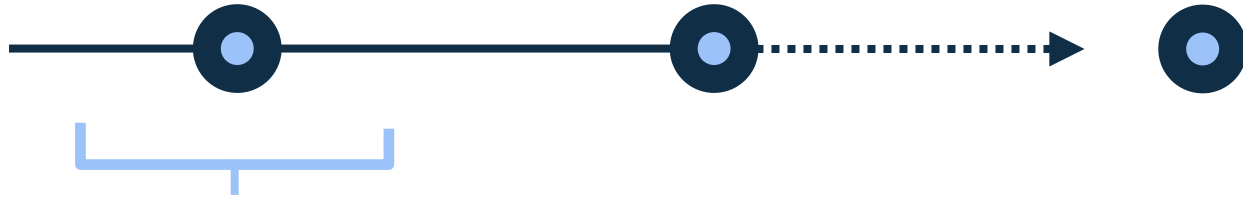
WHY CBRA INSTEAD OF PACKWERK?

“I consider the CBRA approach deprecated.
Gradual modularization based on packages gives us all the benefits of components (and more) for much lower costs.”

- Stephan Hagemann

Packwerk has 2 stages prior to any extraction

Organize into a directory



You can stop here if the
pack won't ever leave
your application.

```
app --> packs/projects/app
        packs/inventory/app
        packs/sales/app
        packs/users/app
```



Packwerk has 2 stages prior to any extraction

Organize into a directory

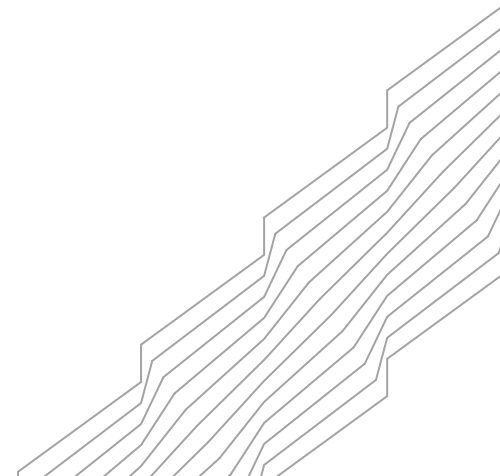
Make it a Rails Engine



You can stop here if the pack won't ever leave your application.

— Optional —
Its own gemspec, config, environment, and test files

```
app --> packs/projects/app
        packs/inventory/app
        packs/sales/app
        packs/users/app
```

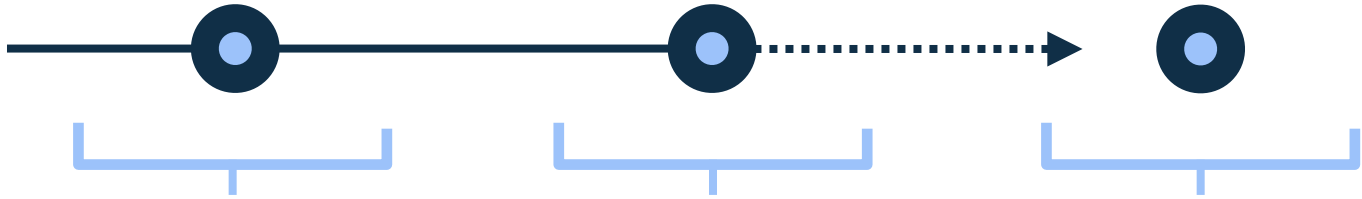


Packwerk has 2 stages prior to any extraction

Organize into a directory

Make it a Rails Engine

Extract to its own app



You can stop here if the pack won't ever leave your application.

— Optional —
Its own gemspec, config, environment, and test files

— Optional —

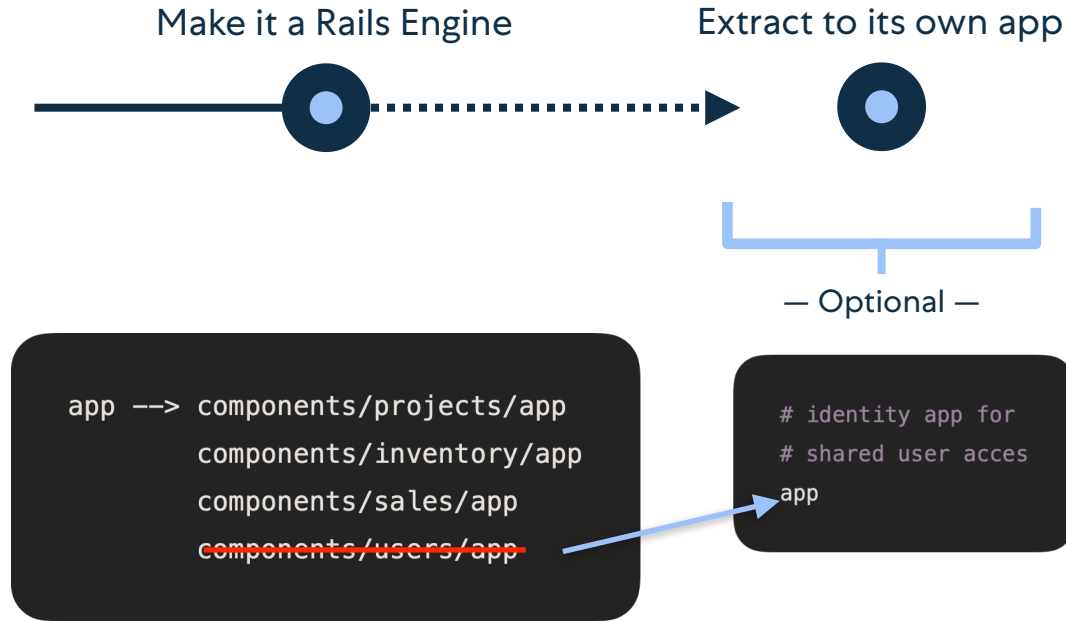
```
app --> packs/projects/app
        packs/inventory/app
        packs/sales/app
        packs/users/app
```

```
app --> packs/projects/app
        packs/inventory/app
        packs/sales/app
        packs/users/app
```

```
# identity app for
# shared user acces
app
```



CBRA has 1 stage. A Rails engine.





GROUP
Business Technology

- Flight Control
- Metrics
- Radar
- Tag Report
- Teams

TYPE All ITEMS All

KAIZEN: Go over Implementation Plan for Rails 71 Upgrade

Queued 45 In Progress 13 Review 3 Ready for Release 1

HFH-3034 1m left
2025 2nd Qtr OKRs

All Teams

Search

POWER

TEAMS
Heroes for Hire

- Active Sprint
- Backlog
- Closed Sprint
- Retrospective
- Team Settings

GROUP
Business Technology

- Flight Control
- Metrics
- Radar
- Tag Report
- Teams

TEAMS
Heroes for Hire

- Active Sprint
- Backlog
- Closed Sprints

No Filter Selected

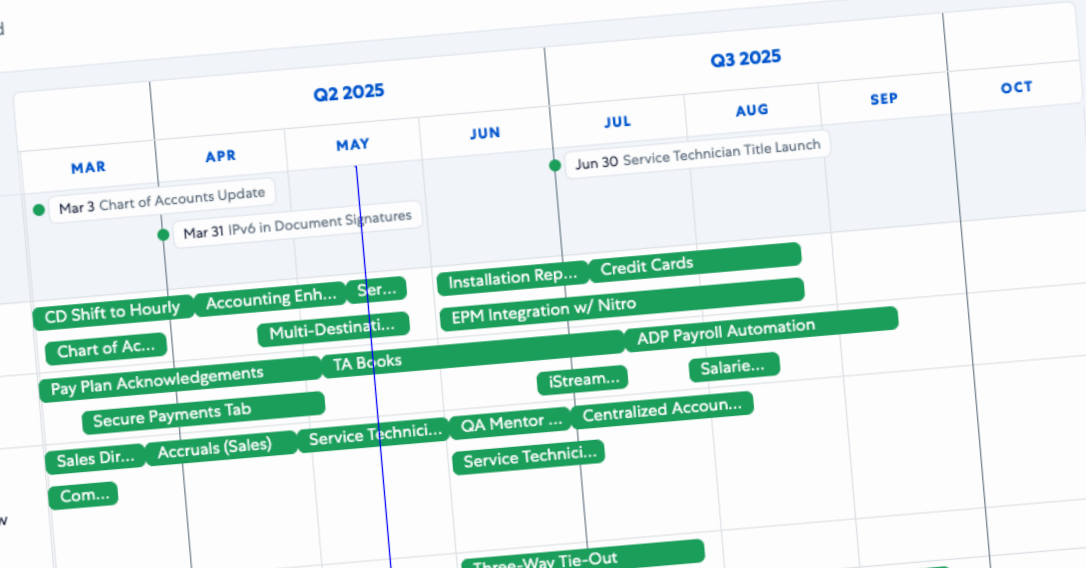
Expand Domains

Business Support

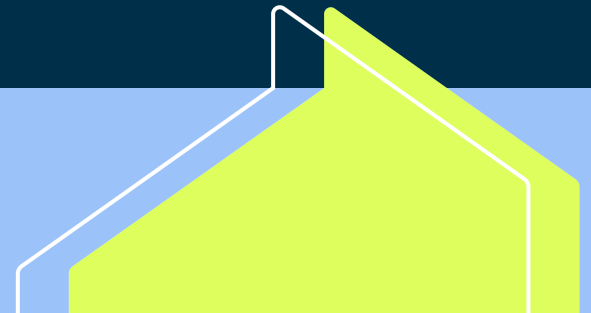
Green Lantern Corps

Infinity Inc

Legends of Tomorrow



SEEMS HARD





REQUIREMENTS TO SUCCEED

Unwavering
commitment
from your
business
and team

Education

Persistence. It's a
journey, not a
destination

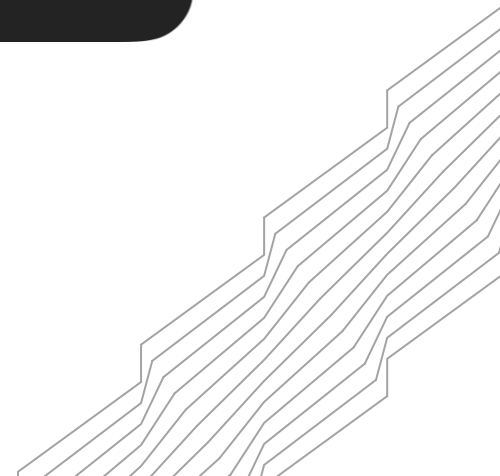
CULTURE IN CODE



OUR FIRST COMPONENT!



```
app --> components/nitro_component_transition/app
```



OUR FIRST COMPONENT!



```
app --> components/nitro_component_transition/app
```

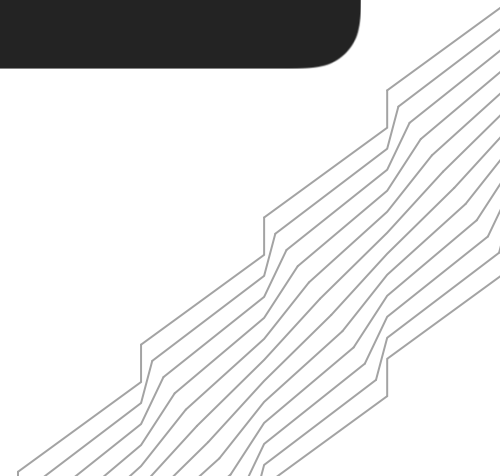
Zero impact on build time... 





OUR SECOND COMPONENT!

```
components/core_models/app # models  
components/nitro_component_transition/app # controllers/views
```



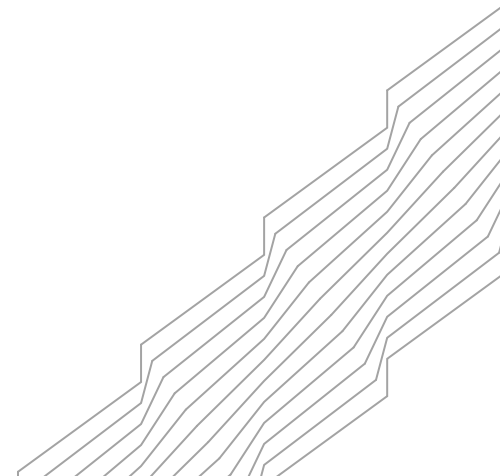
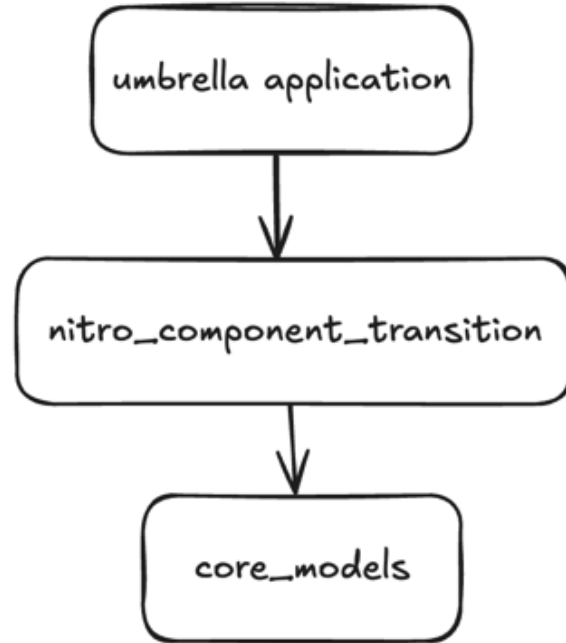


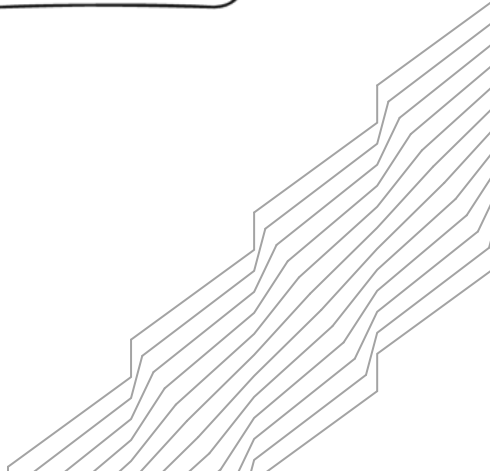
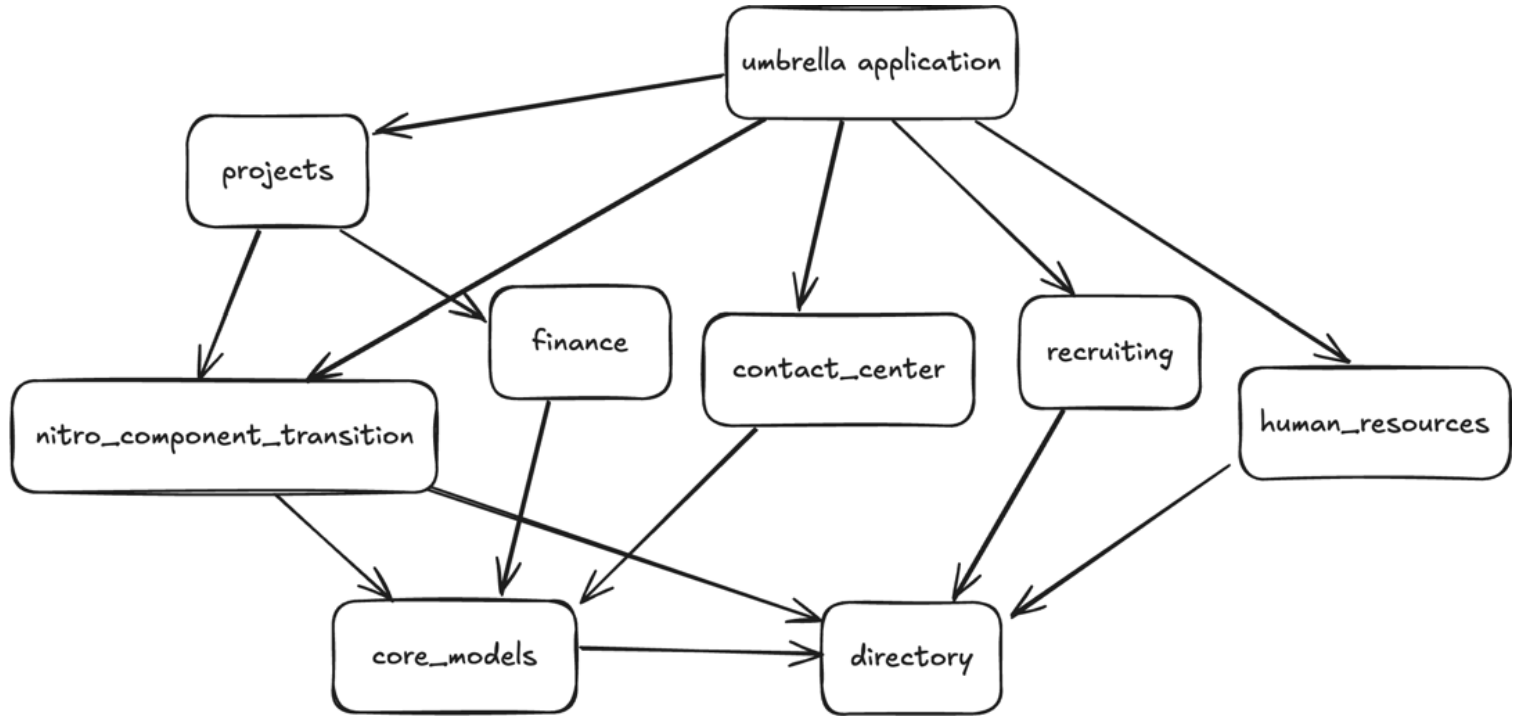
OUR SECOND COMPONENT!

```
components/core_models/app # models  
components/nitro_component_transition/app # controllers/views
```

50% improvement in build time!!



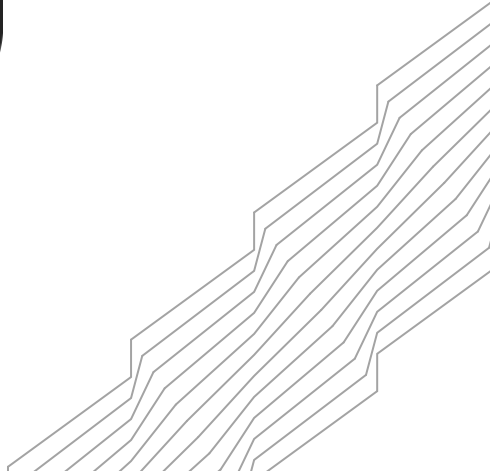






NITRO NOW HAS **OVER 160** RAILS COMPONENTS

```
bin/cobra ls --ruby --total  
167
```





GENERATORS MAKE IT LESS HARD.

```
generators/component.sh engine my_new_component
```

WELL... THAT AND DOCUMENTATION

Creating a Nitro component

Since Nitro components are expected to proliferate (in order to discourage excessive coupling by bundling code into existing components), it is necessary for the process of creating them to be simple. The following steps are an indication of the standard process:

1. Generate a new component, eg: `generators/component.sh gem nitro_projects .`
2. [optional] Mount your component in the umbrella application router to expose its routes.
3. Commit everything as an initial checkin of your component; customise only in later commits.

For many, the process of creating one's first component will be daunting and uncomfortable; the architecture is removed from the common experience of a Rails developer and requires skills not commonly practiced. This guide attempts to assist with the process, easing the difficulties that will be encountered. This guide is based on the experience gathered while beginning the path towards a componentised Nitro application with the following steps:

Branch: master

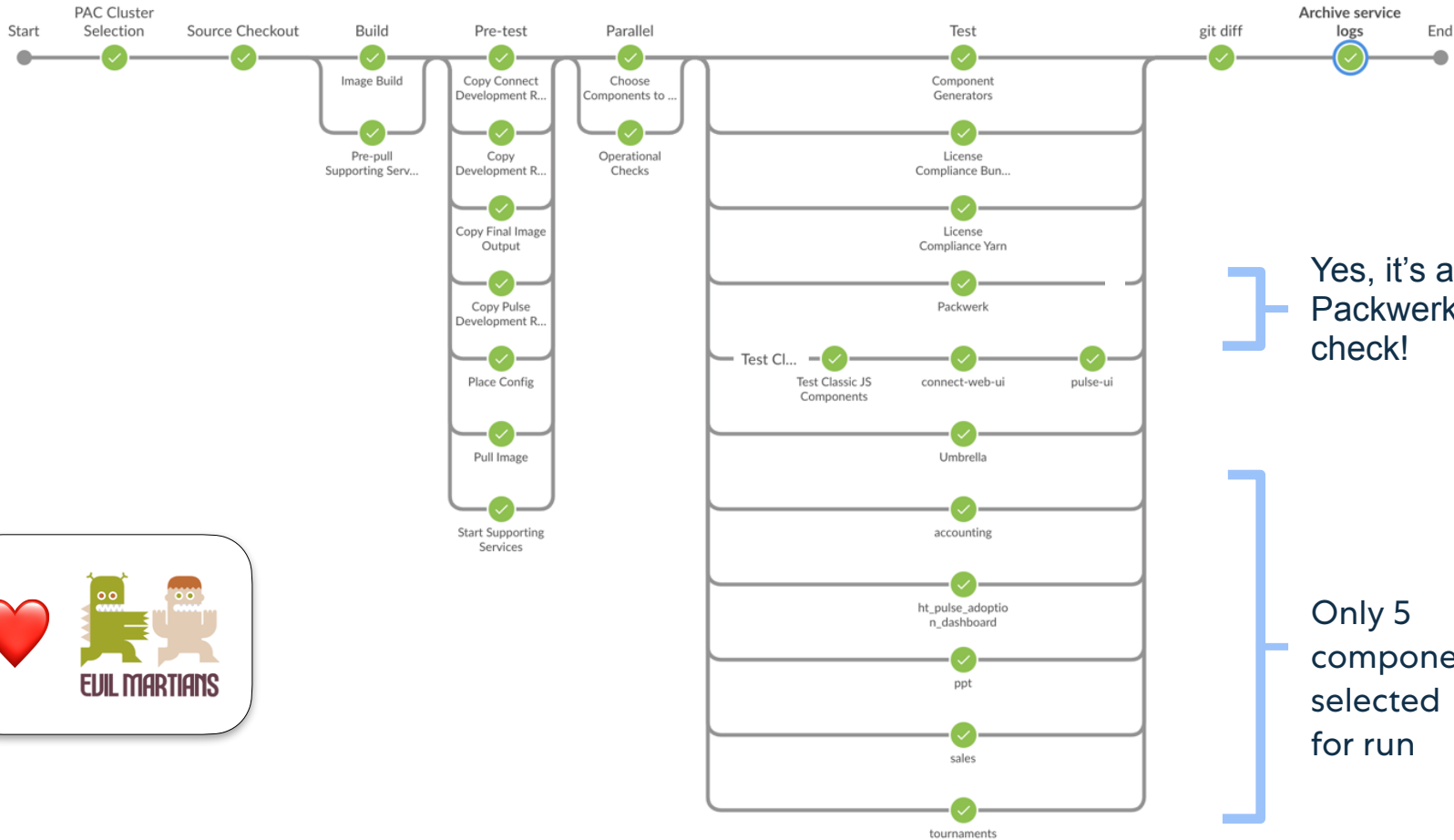
28m 0s

Changes by GitHub

Commit: 0bcd8fa

5 hours ago

Push event to branch master



Yes, it's a Packwerk check!

Only 5 components selected for run





MAINTENANCE IS AN EFFORT

Primarily dealing with Gemfile.lock
merge conflicts and gem dependencies

```
309 components/recruiting/Gemfile.lock
```

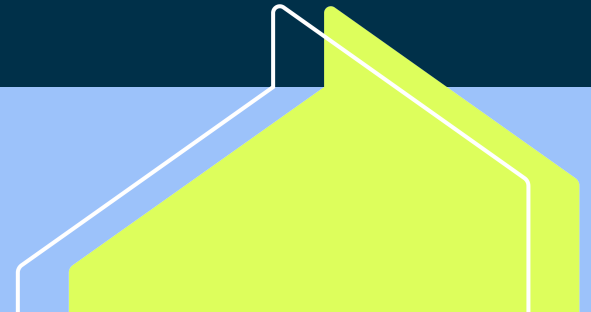
861	user_profile (= 0.0.1)	861	user_profile (= 0.0.1)
@@ -867,60 +867,64 @@ GEM			
867	Ascii85 (1.0.3)	867	Ascii85 (1.0.3)
868	aasm (5.5.0)	868	aasm (5.5.0)
869	concurrent-ruby (~> 1.0)	869	concurrent-ruby (~> 1.0)
870	- actioncable (7.0.8.5)	870	+ actioncable (7.1.5.1)
871	- actionpack (= 7.0.8.5)	871	+ actionpack (= 7.1.5.1)
872	- activesupport (= 7.0.8.5)	872	+ activesupport (= 7.1.5.1)
873	nio4r (~> 2.0)	873	nio4r (~> 2.0)
874	websocket-driver (>= 0.6.1)	874	websocket-driver (>= 0.6.1)
875	- actionmailbox (7.0.8.5)	875	+ zeitwerk (~> 2.6)
876	- actionpack (= 7.0.8.5)	876	+ actionmailbox (7.1.5.1)
877	- activejob (= 7.0.8.5)	877	+ actionpack (= 7.1.5.1)
878	- activerecord (= 7.0.8.5)	878	+ activejob (= 7.1.5.1)
879	- activestorage (= 7.0.8.5)	879	+ activerecord (= 7.1.5.1)
880	- activesupport (= 7.0.8.5)	880	+ activestorage (= 7.1.5.1)
881		881	+ activesupport (= 7.1.5.1)
881	mail (>= 2.7.1)	882	mail (>= 2.7.1)
882	net-imap	883	net-imap
883	net-pop	884	net-pop
884	net-smtp	885	net-smtp
885	- actionmailer (7.0.8.5)	886	+ actionmailer (7.1.5.1)
886	- actionpack (= 7.0.8.5)	887	+ actionpack (= 7.1.5.1)
887	- actionview (= 7.0.8.5)	888	+ actionview (= 7.1.5.1)
888	- actionpack (= 7.0.8.5)	889	+ actionpack (= 7.1.5.1)




BENEFITS OF COMPONENTS AS RAILS ENGINES


- Easily execute a single component's tests
(`cd components/recruiting; bin/test`)
- Tests will fail if dependencies aren't in place
- Load path managed by bundler
(`packwerk` loads all by default)
- Isolation at a database level
- Within a component you can only access code you explicitly setup as a dependency

WHY NOT JUST MOVE TO
PACKWERK STARTING
AT THE ENGINE STAGE?







 Packwerk is running validation...

 Finished

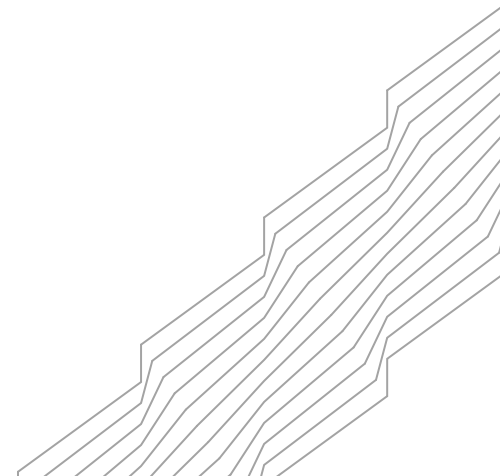
Validation successful 

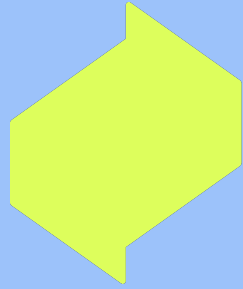
 Packwerk is inspecting 27280 files

 Finished

No offenses detected

No stale violations detected





POWER'S
OPEN SOURCE
PROJECTS



cobra_commander

CobraCommander

downloads@stable 23k gem v1.1.0 cobra_commander passing maintainability A

CobraCommander::Ruby

downloads@stable 26k gem v1.0.0 cobra_commander-ruby passing maintainability A

CobraCommander::Yarn

downloads@stable 26k gem v1.0.0 cobra_commander-yarn passing maintainability A

Tools for working with Component Based Rails Apps (see <https://cbra.info>). Includes tools for graphing both Ruby and Javascript components in an application and their relationships, as well as selectively testing components based on changes made.

```
bin/cobra ls --ruby --total  
167
```

Usage (cobra help)

Commands:

```
cobra changes [--branch=BRANCH] # Prints list of changed files
cobra exec [components] <command> # Executes the command in the context o
cobra graph [component] # Outputs a graph of a given component
cobra help [COMMAND] # Describe available commands or one sp
cobra ls [components] # Lists the components in the context o
cobra tree [component] # Prints the dependency tree o
cobra version # Prints version
```

Options:

```
-a, [--app=APP]
```

```
 [--[plugin-key]],
```

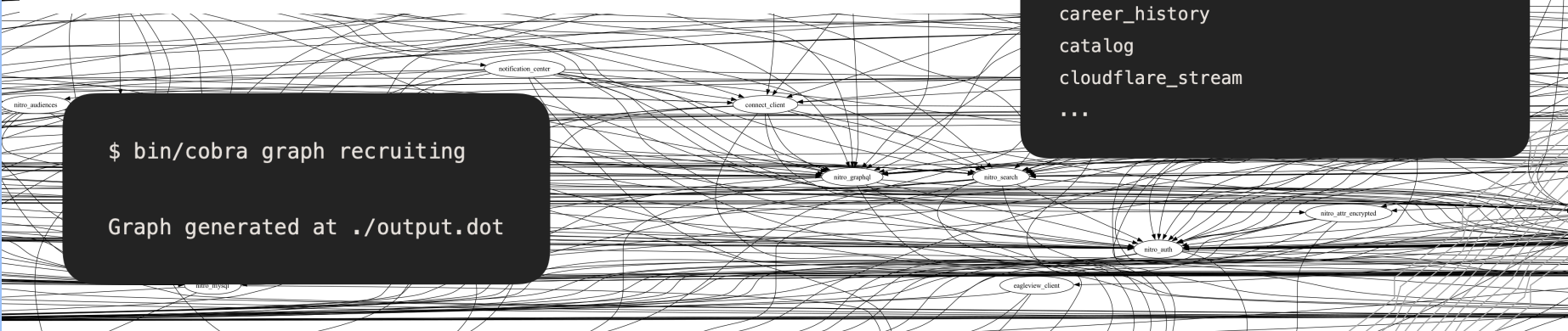
```
$ bin/cobra exec --ruby "bundle install"
```

```
.....F.....
```

```
$ bin/cobra ls recruiting --dependencies
address_book
aerial_measurements
apple_gsx_client
badge_access
calendar
career_history
catalog
cloudflare_stream
...
```

```
$ bin/cobra graph recruiting
```

```
Graph generated at ./output.dot
```



PowerTools

At [Power Home Remodeling](#), we have created foundational bits of code that we use to configure our applications, several of which are [cobra](#)-based. We have packaged these individually inside a mono-repo to help engineers more easily maintain and consume them among our suite of applications, products and features.

Packages

power-tools currently contains the following packages (marked for release to rubygems  or npm ):

[aether_observatory](#) 

AetherObservatory provides an event broadcast and subscription system based around ActiveSupport::Notifications.

[api_chai](#) 

ApiChai provides a simple integration with net-http around a lightweight layer for reporting and graceful error handling.

[audit_tracker](#) 

AuditTracker helps you centralize data tracking configuration to be used across different models.

[camel_trail](#) 

CamelTrail makes it easy to keep a history of attribute changes on a model.

[consent](#) 

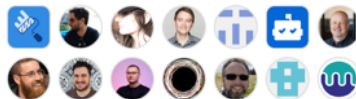
Consent provides permission-based authorization.

[cygnet](#) 

Helping ruby developers implement easy patterns.

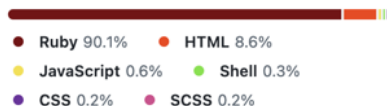
No packages published
[Publish your first package](#)

Contributors 29



[+ 15 contributors](#)

Languages



EDGESTITCH



Edgestitch allows engines to define partial structure-self.sql files to be stitched into a single structure.sql file by the umbrella application.



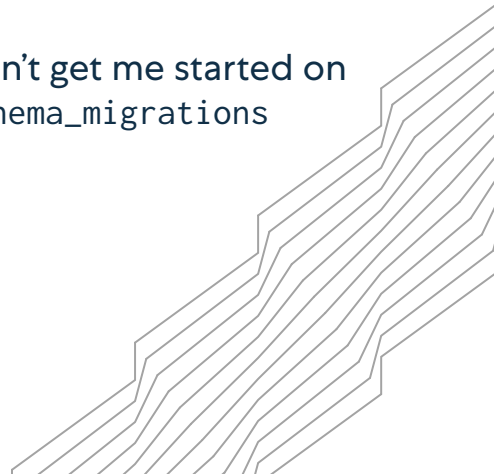
```
CREATE TABLE `line_items` (  
  `id` bigint NOT NULL AUTO_INCREMENT,  
  `order_id` bigint NOT NULL,  
  `item` varchar(255) NOT NULL,  
  `price` varchar(255) NOT NULL,  
  `created_at` datetime DEFAULT NULL,  
  `updated_at` datetime DEFAULT NULL,  
  PRIMARY KEY (`id`)  
)
```

```
CREATE TABLE `members` (  
  `id` bigint NOT NULL AUTO_INCREMENT,  
  `first_name` varchar(255) NOT NULL,  
  `last_name` varchar(255) NOT NULL,  
  `email` varchar(255) NOT NULL,  
  `created_at` datetime DEFAULT NULL,  
  `updated_at` datetime DEFAULT NULL,  
  PRIMARY KEY (`id`)  
)
```

```
CREATE TABLE `orders` (  
  `id` bigint NOT NULL AUTO_INCREMENT,  
  `member_id` bigint NOT NULL,
```

Many, many tables...

Don't get me started on
schema_migrations



components/orders

```
# components/orders/db/structure-self.sql
CREATE TABLE `line_items` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `order_id` bigint NOT NULL,
  `item` varchar(255) NOT NULL,
  `price` varchar(255) NOT NULL,
  `created_at` datetime DEFAULT NULL,
  `updated_at` datetime DEFAULT NULL,
  PRIMARY KEY (`id`)
)

CREATE TABLE `orders` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `member_id` bigint NOT NULL,
  `order_date` date NOT NULL,
  `total` decimal(15,2) NOT NULL DEFAULT 0,
  `created_at` datetime DEFAULT NULL,
  `updated_at` datetime DEFAULT NULL,
  PRIMARY KEY (`id`)
)
```

components/members

```
# components/members/db/structure-self.sql
CREATE TABLE `members` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `first_name` varchar(255) NOT NULL,
  `last_name` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL,
  `created_at` datetime DEFAULT NULL,
  `updated_at` datetime DEFAULT NULL,
  PRIMARY KEY (`id`)
)
```

Assuming the *orders* component depends on *members*, **edgestitch** will pull all of these tables together to create a database when running tests in the *orders* component.



Consent

Extends the **CanCanCan** gem, by providing a clean, concise DSL by including a **Consent::Authorizable** model.

```
class Role < ApplicationRecord
  include ::Consent::Authorizable
end
```

```
role = Directory::Role.new
role.grant subject: :project, action: :update, view: :department

# ALTERNATIVE
role.grant_all(
  { project: { update: :department } }
)

role.permissions
=> [#<Consent::Permission subject: Project, action: :update, view: :department>]
```





Permission definitions can reside in the component of the model.

Your app allows an admin to assign the appropriate permission for a role.

```
Consent.define :project, "Projects" do
  view :all, "All projects"

  view :department, "Projects for assigned department" do |user|
    { department_id: user.department_id }
  end
end

action :update, views: %i[department all]
end

# GIVEN: user.department_id == 99

# Project.accessible_by(user).to_sql
# "SELECT * FROM projects WHERE department_id = 99"
```

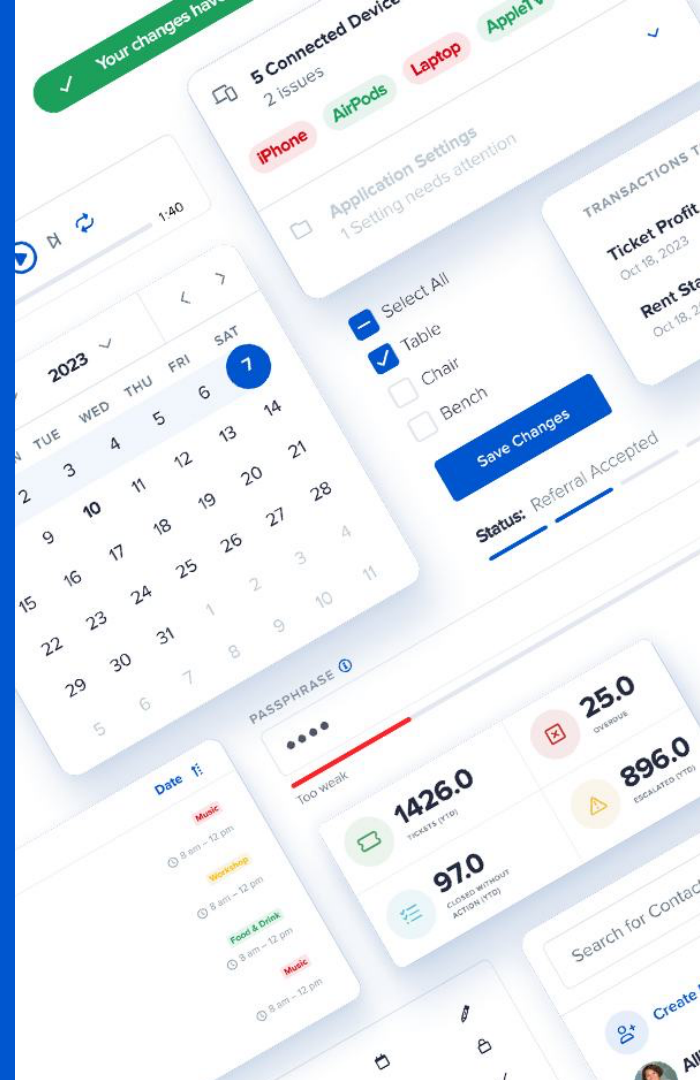
The screenshot shows a permissions management interface for a resource named "Projects". At the top, there is a dropdown menu currently set to "All" and a "for Read" button. Below this, a list of permissions is displayed, including "No Access", "Projects for assigned department" (which is selected with a checkmark), "All", and "Create" (which has a checked checkbox). To the right of the list, there is a "for Update" button. A red arrow points from the "Projects for assigned department" permission in the UI to the corresponding view definition in the code block above.

accessible_by is pure CanCanCan



Playbook

Power's Open Source Design System





Playbook

```
1 <%= pb_rails("card") do %>
2   <%= pb_rails("body", props: {
3     text: "RailsConf 2025!"
4   }) %>
5 <% end %>
```

Tailwind CSS

```
1 <div class="bg-white border border-
  gray-300 rounded-md p-6">
2   <p class="font-normal text-
  gray-900 font-sans">
3     "RailsConf 2025!"
4   </p>
5 </div>
```



Playbook - React

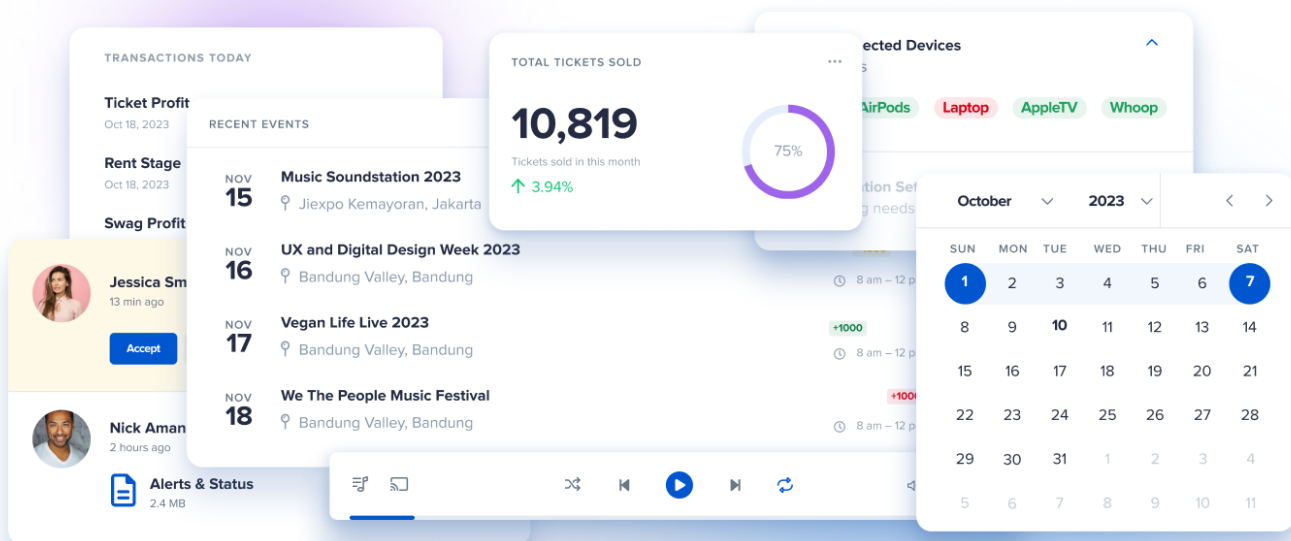
```
1  import React from 'react'  
2  import { Card } from 'playbook-ui'  
3  
4  const CardLight = (props) => {  
5    return (  
6      <div>  
7        <Card>{'RailsConf 2025!'}</Card>  
8      </div>  
9    )  
10 }
```

Playbook - Swift

```
1  PBCard {  
2    Text("RailsConf 2025!").pbFont(.body)  
3  }
```

The Design System to help you ship faster.

 Rails  Swift  React  HTML



TRANSACTIONS TODAY

Ticket Profit
Oct 18, 2023

Rent Stage
Oct 18, 2023

Swag Profit

RECENT EVENTS

- NOV 15 **Music Soundstation 2023**
📍 Jiexpo Kemayoran, Jakarta
- NOV 16 **UX and Digital Design Week 2023**
📍 Bandung Valley, Bandung
- NOV 17 **Vegan Life Live 2023**
📍 Bandung Valley, Bandung
- NOV 18 **We The People Music Festival**
📍 Bandung Valley, Bandung

TOTAL TICKETS SOLD

10,819
Tickets sold in this month
↑ 3.94%

75%

Selected Devices

- AirPods
- Laptop
- AppleTV
- Whoop

October 2023

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Jessica Sm
13 min ago
[Accept](#)

Nick Aman
2 hours ago

Alerts & Status
2.4 MB





powerhome

X @powerhome

TOTAL GEMS

24

TOTAL DOWNLOADS

2,995,249

playbook_ui 14.20.0

1,479,735

DOWNLOADS

playbook_ui_docs 14.20.0

342,069

DOWNLOADS

cobra_commander 1.1.0

313,037

DOWNLOADS

consent 2.1.0

272,342

DOWNLOADS

rubocop-powerhome 0.5.5

136,407





EMBRACE YOUR GIFTS.

CREATE YOUR PATH.



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VISIT OUR BOOTH IN THE SPONSORS AREA

THANK YOU!

Email: wwinningham@powerhr.com

