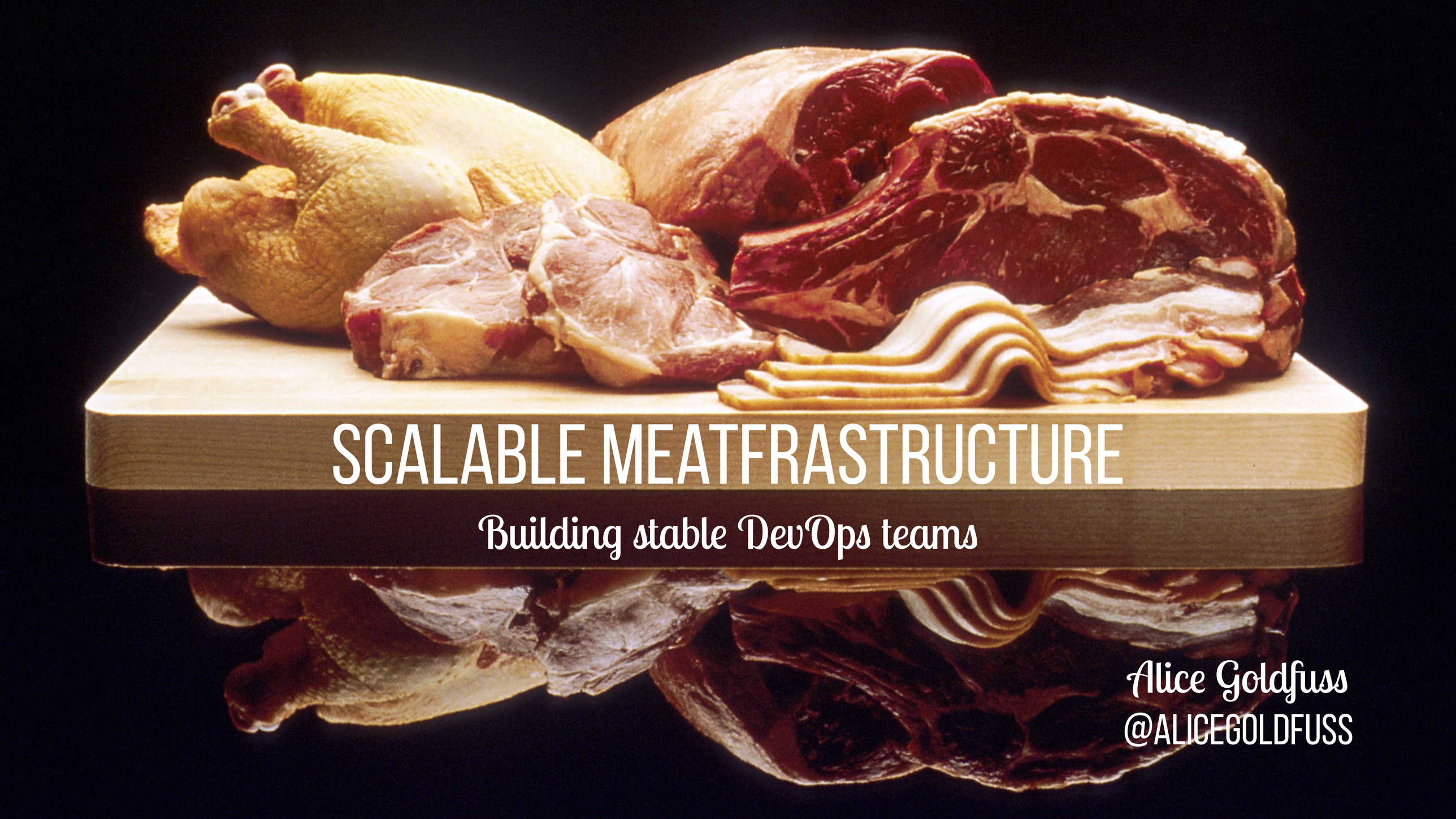


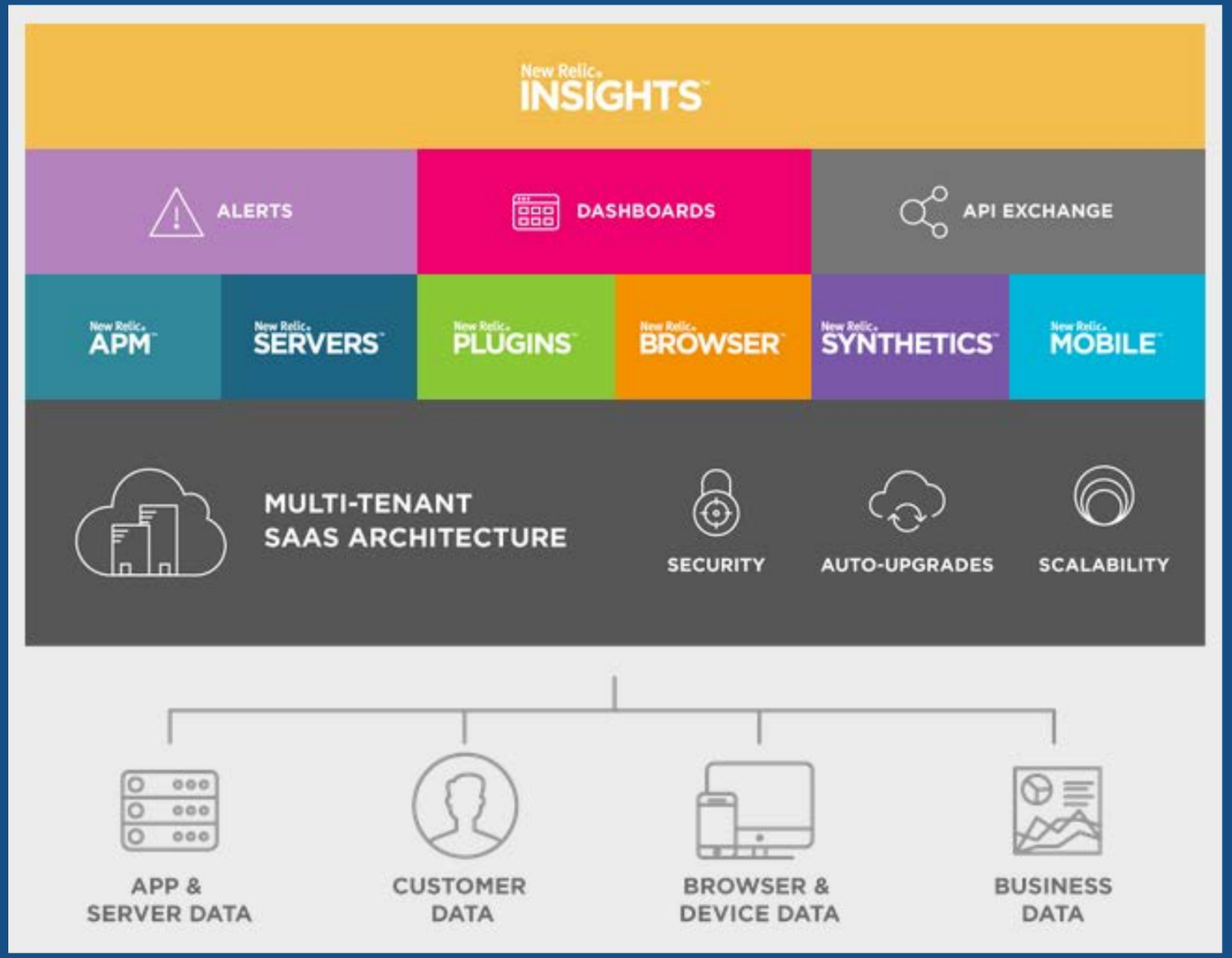
SCALABLE MEATFRASTRUCTURE

Building stable DevOps teams

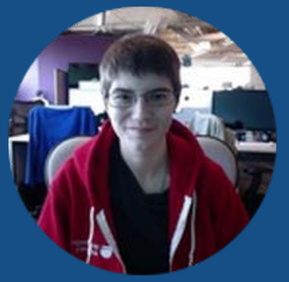
Alice Goldfuss
@ALICEGOLDFUSS

I'm
ALICE
SRE @
New Relic®

New Relic®


New Relic INSIGHTS
ALERTS
DASHBOARDS
API EXCHANGE
New Relic APM
New Relic SERVERS
New Relic PLUGINS
New Relic BROWSER
New Relic SYNTHETICS
New Relic MOBILE
MULTI-TENANT SAAS ARCHITECTURE
SECURITY
AUTO-UPGRADES
SCALABILITY
APP & SERVER DATA
CUSTOMER DATA
BROWSER & DEVICE DATA
BUSINESS DATA

data nerd.



atagoni

ata nerd.

What is MEATFRASTRUCTURE?

STOP! attach aerial
before the power cord
(SEE QUICK START GUIDE FOR INFO)
FUSED
SURGE PROTECTED
WITH SAFETY THERMAL FUSES
NEON 'ON' INDICATES SURGE PROTECTION OPERATIONAL
battery charger
Type 2241-4 cells Li-Ion
Orange
Green
Made in Korea

ENABLE LOGGING

PIPE STDOUT

DEFAULT CONFIGURATION

STABLE DISTRIBUTION

RELIABLE UNDER HIGH LOAD

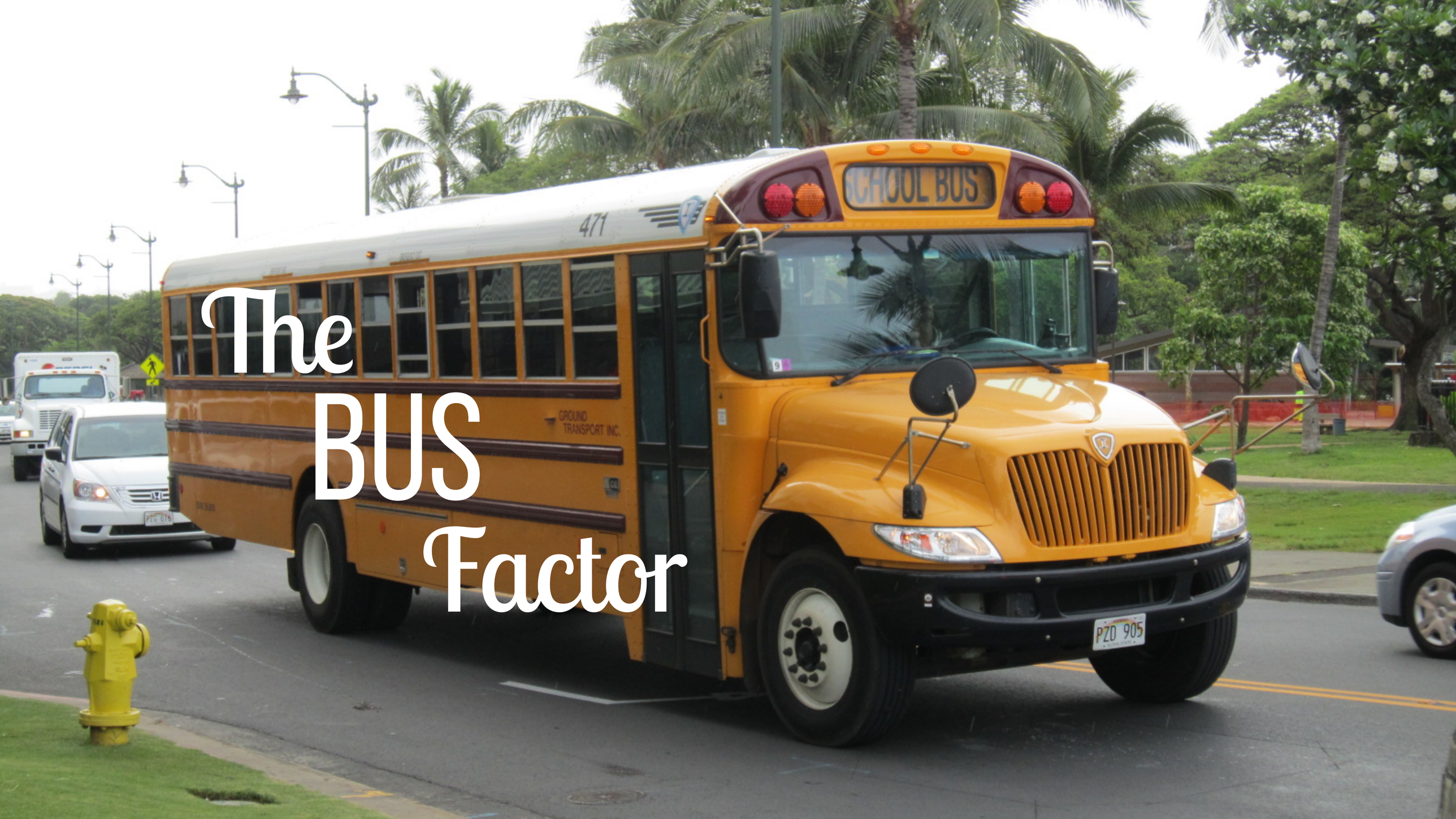
> ENABLE LOGGING

PIPE STDOUT

DEFAULT CONFIGURATION

STABLE DISTRIBUTION

RELIABLE UNDER HIGH LOAD



The BUS Factor

Oral to WRITTEN

Story time

Write it ALL down

- Your team's mission
- Your team's chosen tools and methodologies
- Standard practices and procedures

F.A.Q.

SHIP it

ENABLE LOGGING

> PIPE STDOUT

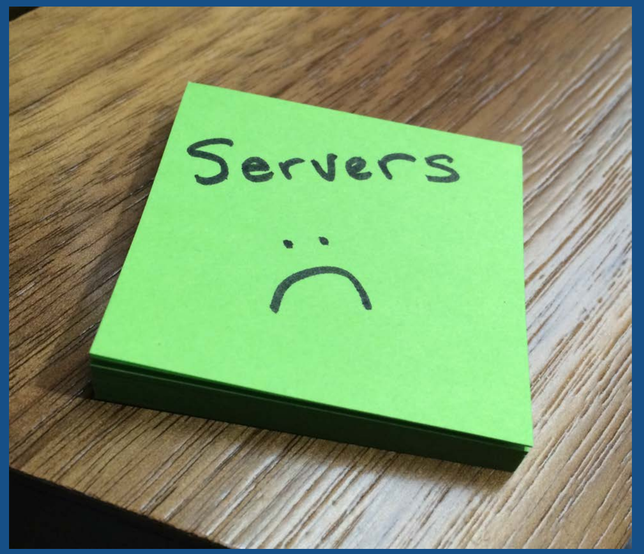
DEFAULT CONFIGURATION

STABLE DISTRIBUTION

RELIABLE UNDER HIGH LOAD

Success!

Google docs


Servers

THIS WAY
THE OTHER WAY
THAT WAY

ONE WAY

Single Source of Truth

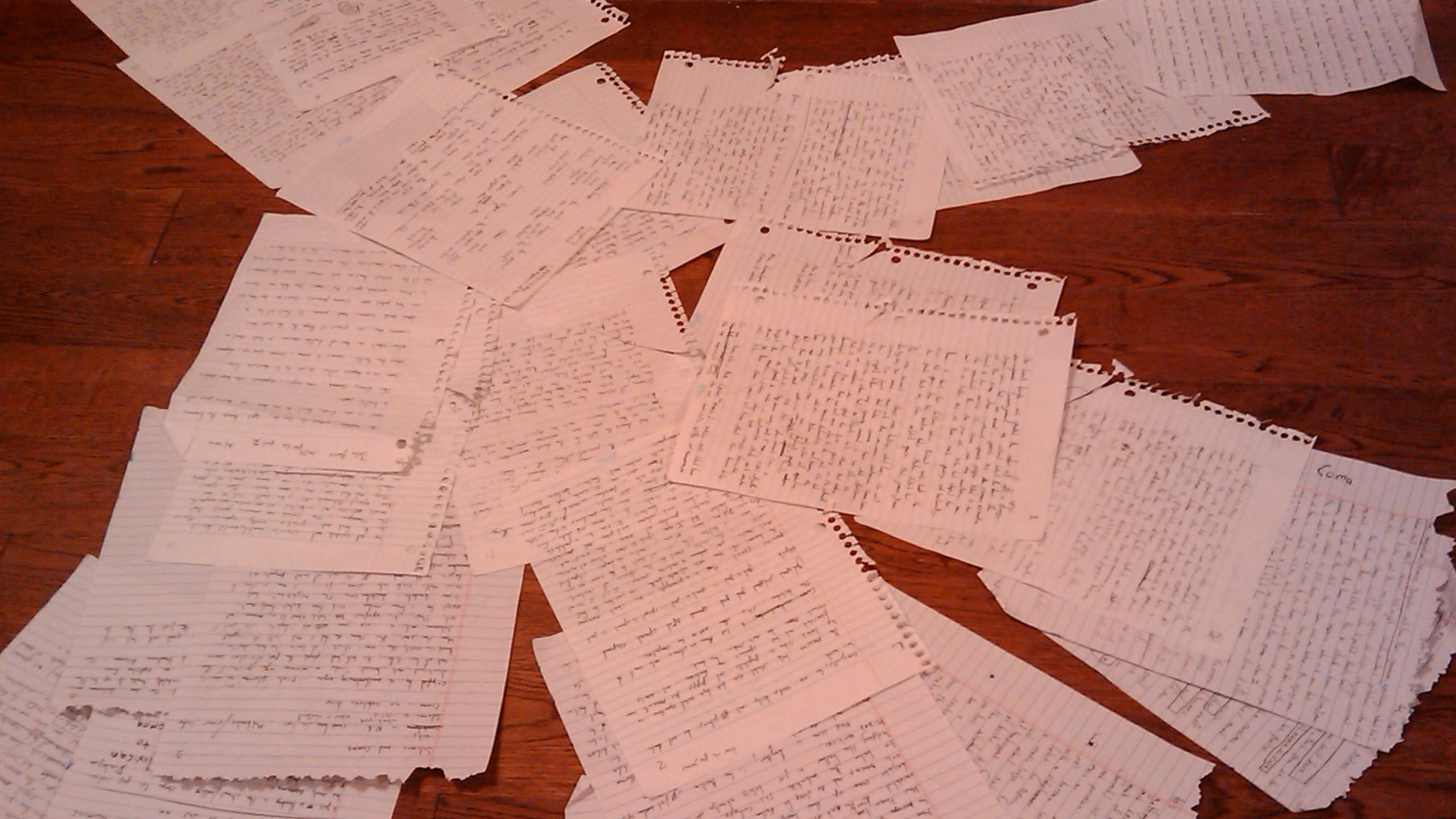
- Everyone knows where it is
- Everyone can contribute to it
- It’s searchable
- It’s archivable

- GitHub pages for company processes
- Gists for configuration changes
- Repos for runbooks

Atlassian Confluence

Quip

HOLD
UP



JANUARY
FEBRUARY
MARCH
APRIL
MAY
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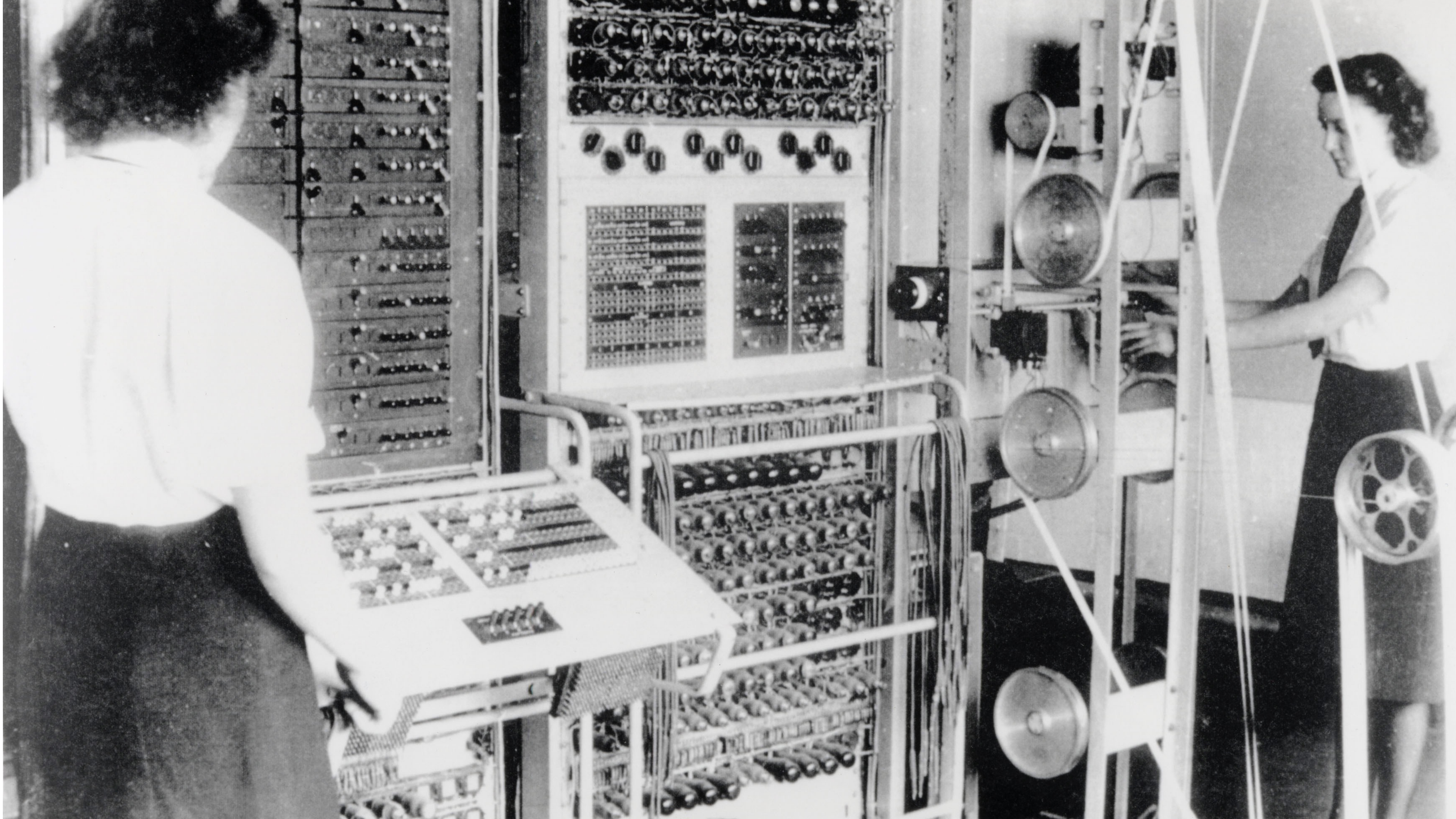
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER



Ejecución

ATHLETIC
SINCE
Aéropostale
1987
DIVISION

Say Howdy to Real-Time Cattle Record Keeping

Welcome to the new way farmers and ranchers are managing their cattle. Now you can enter cattle records at home, at the ranch, and in the pastures. Record information as it happens instead of weeks later.

Editions & Pricing or See It In Action

Watch the 11 minute Guided Tour video

CattleMax ID Edition

Basic inventory tracking, health,

CattleMax Commercial Edition

Complete production, performance,

CattleMax Registered Edition

Total herd management on the farm

401
Bred Cow

Edit Animal
Change Status

General | Details | Offspring | Related Cattle | Breeding | Horns | Performance | Health | Shows | Photos

Current Breeding & Pregnancy Information

- Breeding Date: 01-20-2012
- Estimated Calving Date: 10-29-2012 9 months and 9 days
- Breeding Method: AI
- Sire: 815
- Confirmed Pregnant on 08-15-2011

Breeding History

New Breeding

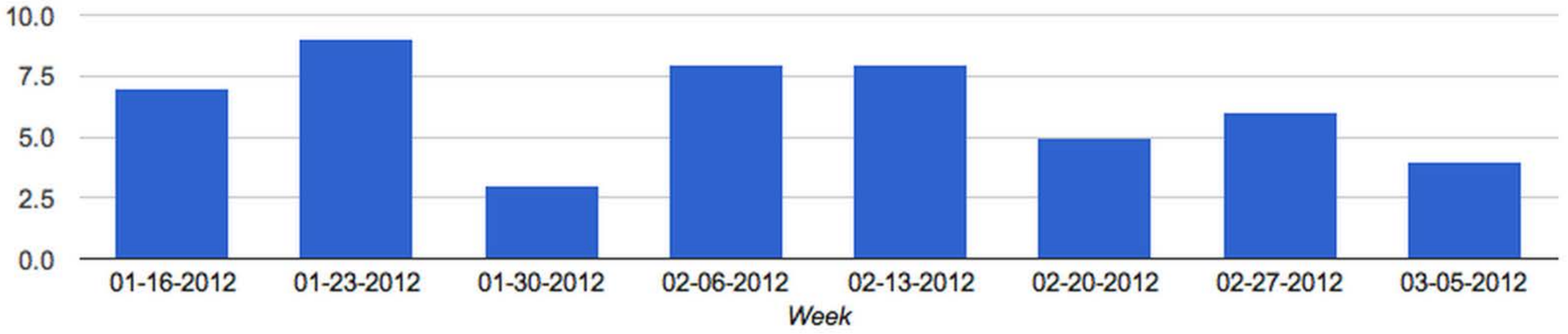
	Date	Est Calving	Method	Mating
	08-01-2011 to 11-15-2001 (-3546 days)	05-10-2012 3 months and 20 days	NS	927
	07-01-2011	04-09-2012 2 months and 20 days	AI	2061

* designates cleanup breeding record

Pregnancy Check History

New Pregnancy Check

	Date	Result	Exp. due date
	09-27-2011 Palpation	Pregnant 2 months	05-05-2012 3 months and 15 days

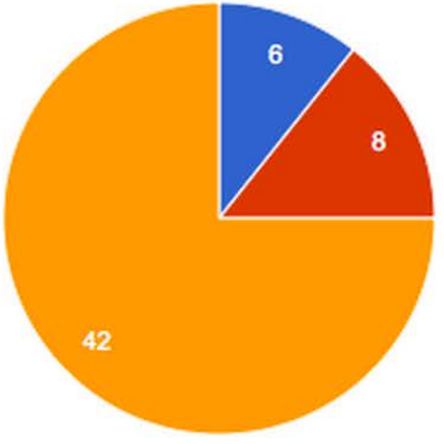


Animal	Method	Mating	Est. Date		
360	NS	0100	01-15-2012	Calve this Cow	Mark as not calving
311	NS	2019	01-15-2012	Calve this Cow	Mark as not calving
710	AI	2289	01-17-2012	Calve this Cow	Mark as not calving
299	AI	913	01-18-2012	Calve this Cow	Mark as not calving
872	AI	3181	01-18-2012	Calve this Cow	Mark as not calving
848	AI	4017	01-18-2012	Calve this Cow	Mark as not calving
533	AI	913	01-18-2012	Calve this Cow	Mark as not calving
226	AI	3181	01-18-2012	Calve this Cow	Mark as not calving
924	NS	6164	01-20-2012	Calve this Cow	Mark as not calving
T702	ET	S: 4017 D: 2338	01-25-2012	Calve this Cow	Mark as not calving

Search for a cow

Search by ID [ ] Search

Calvings Breeding Method



Smart Groups

Added & removed based on a criteria

Name
Active Bulls
Active Calves
Active Cattle
Active Cows
All Cattle
Purchased Cattle
Replacements
Sold Cattle
Unweaned Calves

Cattle Groups

Added & removed manually

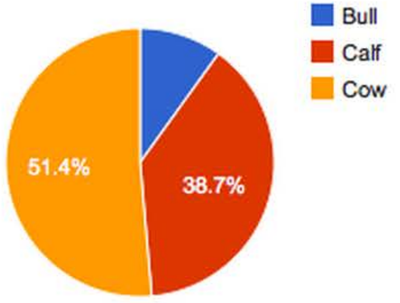
Name	
AI Reference Bulls	1 head
Cattle to Cull	2 head
ET Donors	12 head
Fall Calving Cows	27 head
Group 3	9 head
Herd Sires	3 head
Replacement Heifer	4 head
Sale Bulls	1 head
Spring Calving Cows	32 head
Year Fall 2010	32 head
Year Fall 2011	33 head
Year Fall 2012	26 head
Year Spring 2010	92 head
Year Spring 2011	77 head

Search

Search by ID Search

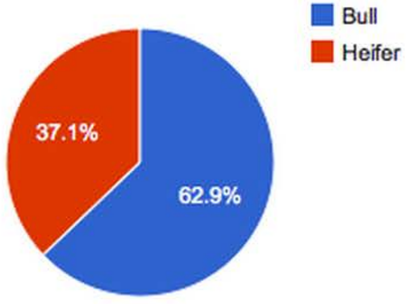
Active Animals

Bull 18 Calf 70 Cow 93



Active Calves

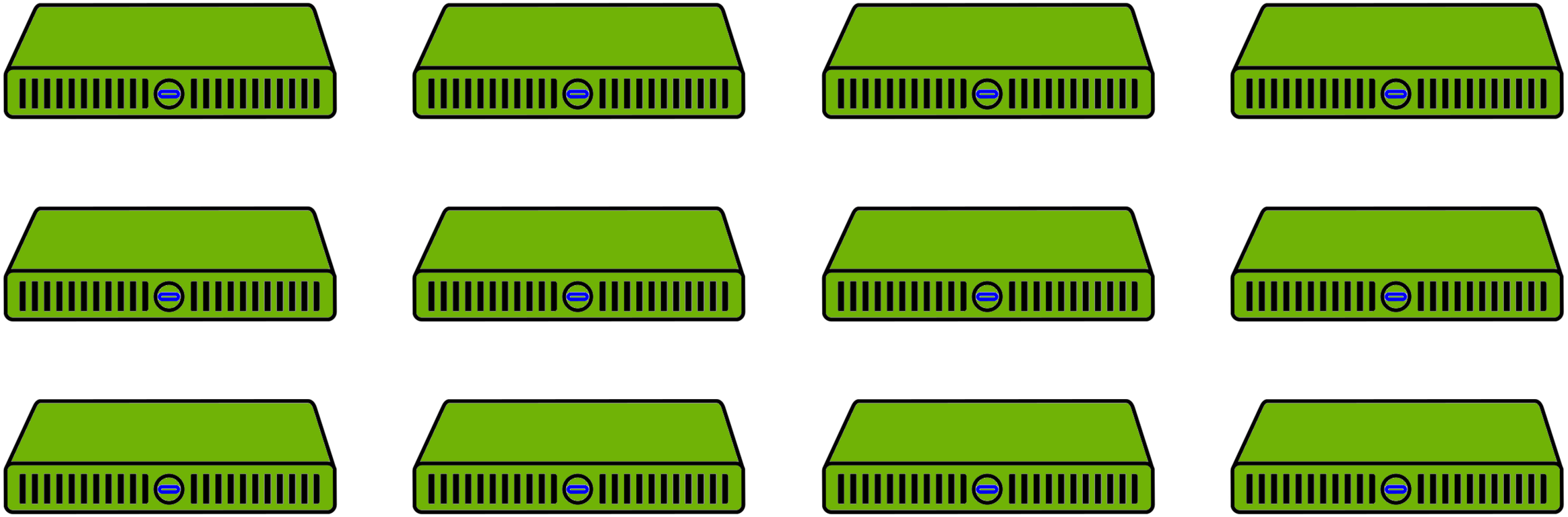
Bull 44 Heifer 26



SHIP it

What's on FIRE today?

What's on FIRE today?



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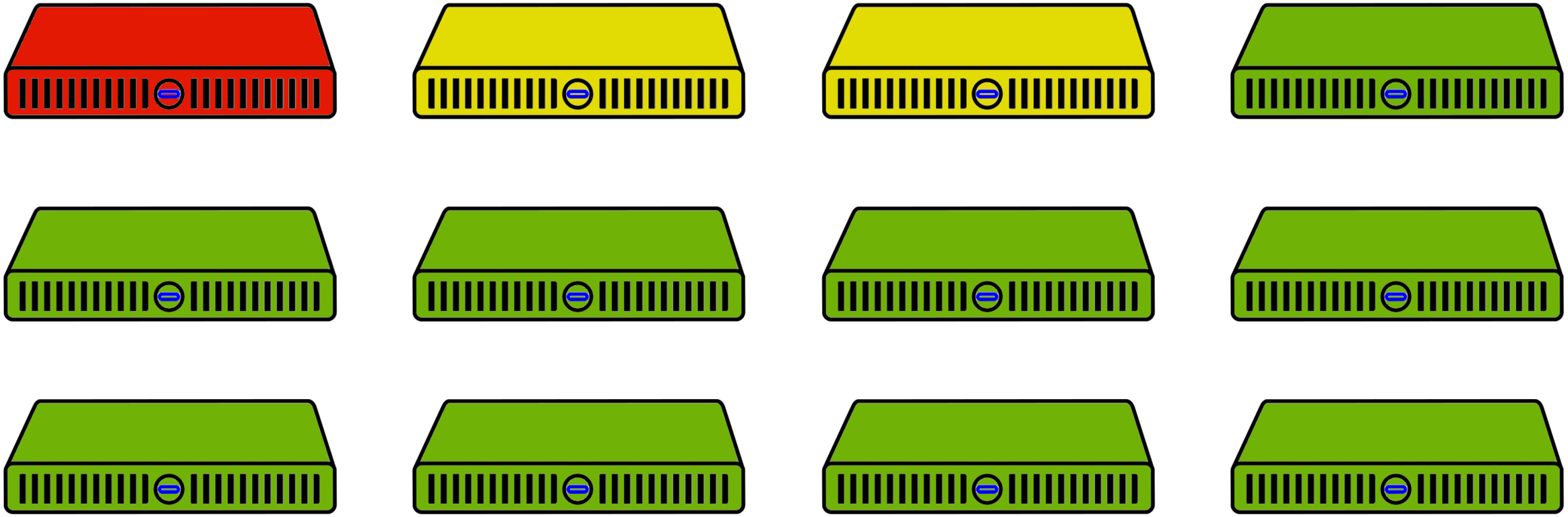

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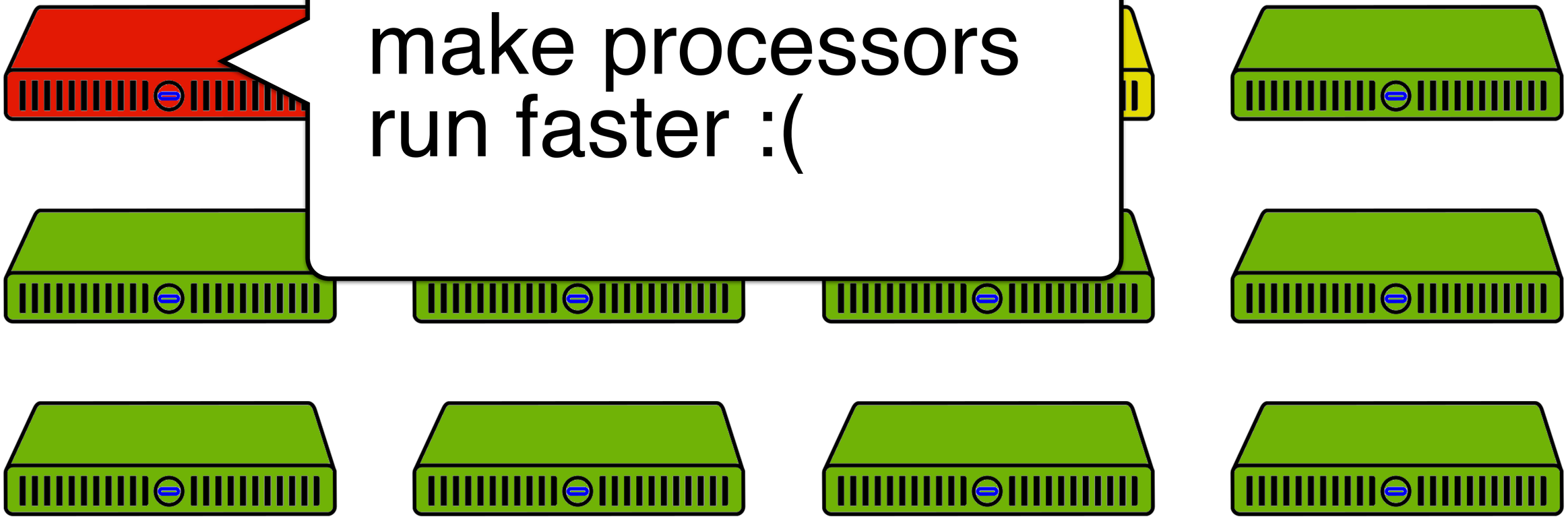


ENABLE LOGGING

PIPE STDOUT

> DEFAULT CONFIGURATION

STABLE DISTRIBUTION

RELIABLE UNDER HIGH LOAD

"STRESSED"
is
"DESSERTS"
spelled
backwards

MADE IN GT. BRITAIN
CRANE D.72
SHUT
14BAR C.W.P.
32BAR /198°C

+HermanWedhy | 2015

the SYSADMIN will see you now

TICKETS
TICKETS
TICKETS

ELEUATOR BUTTON

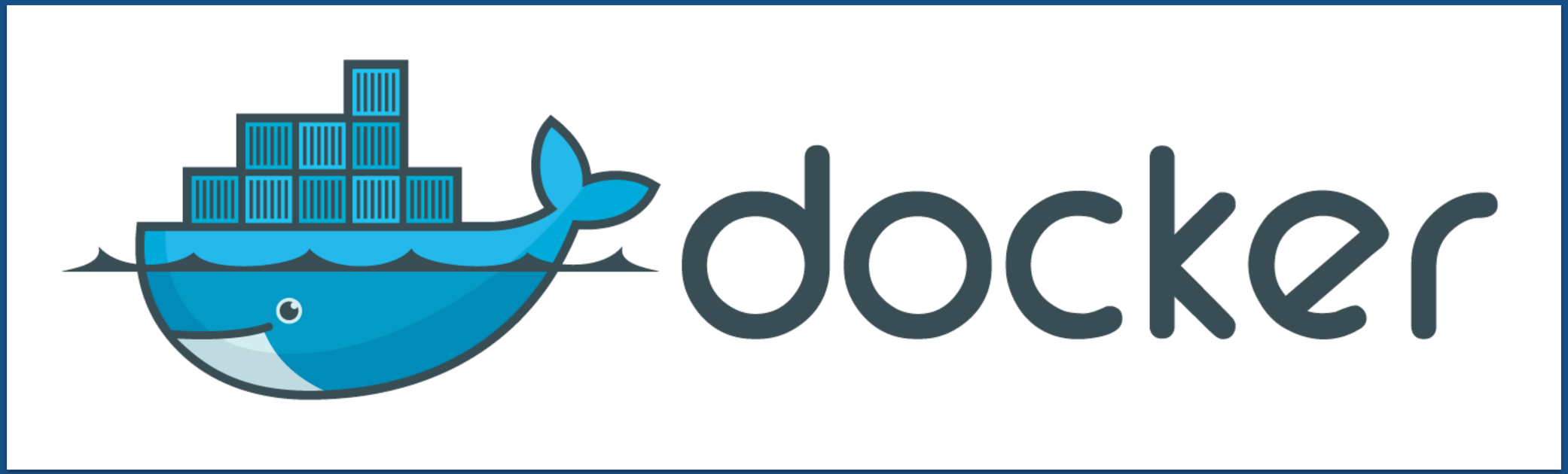
“It’s just a
proof of concept.”
- SOMEONE YOU
HATE NOW

www.anotherlunch.com

What's approved?

- Languages
- Frameworks
- Tools

A Real World Example!



SHIP it

Welcome to Site Eng Requests!

The Central Services team has developed the Site Eng Requests site so that we can provide you with a more efficient and user friendly Ops request process. This site will eventually be used to submit all Site Engineering requests such as: adding or updating user accounts, provisioning new servers, and configuring monitoring and alerting.

User Access

Request access to the Chicago VPN, servers, and accounts.

REQUEST

JIRA Tickets List

See your newly created ticket at the top of the list after submission.

VIEW JIRA LIST

Monitoring

Request a monitoring configuration for your service.

REQUEST

Provisioning

Request server space for a new service.

COMING SOON

User Access Request

Request access to accounts, databases, hosts, AWS, or VPN. Request the deprovisioning of a terminated user. Please note that manager approval is necessary for access to production infrastructure.

Your username (alice@newrelic.com) will be recorded when you submit this form. Not alice? Sign out

* Required

Reporter *

Please enter your JIRA username

Team

Please enter your team

Full Name

Job Title

Office Location

- ○ PDX
- ○ SFO
- ○ Other:

Manager's Email Address *

Access type *

ENABLE LOGGING

PIPE STDOUT

DEFAULT CONFIGURATION

> STABLE DISTRIBUTION

RELIABLE UNDER HIGH LOAD

wacintech
12:42 PM

ABCDE
FGHIJKL

ME

Left OUT

Learning
SLOWED

Out of
SIGHT

WHITE STAR LINE

NAME

BOOKED TO

VIA

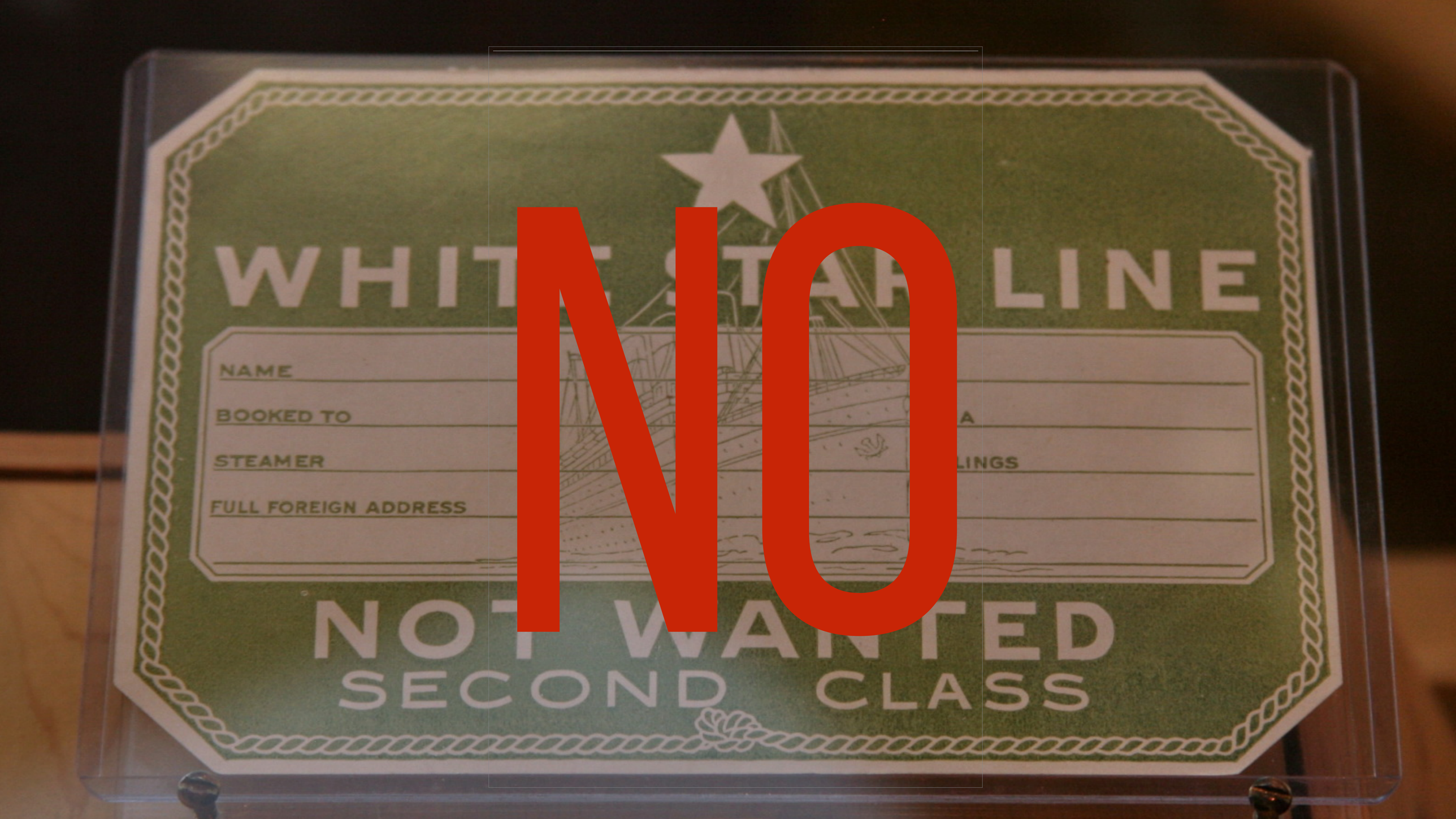
STEAMER

SAILINGS

FULL FOREIGN ADDRESS

NOT WANTED

SECOND CLASS


WHITE STAR LINE
NAME
BOOKED TO
STEAMER
FULL FOREIGN ADDRESS
NOT WANTED
SECOND CLASS
NO

LEVEL the playing field

- Take notes during stand-ups
- Record meetings
- Fly them in

MATT Headroom
Skype File Edit View Contacts
Dot Net
Add Credit
Skype Home
Contacts
CURRENT CALLS
Matthew Sneeden
20:53
RECENT
honeycake.bird16
buikittyz
Megan Esparza
nrjbuttafly42
History
skype
MacBook Pro

SWAG DROP

SHIP it

THE VULTURE

ENABLE LOGGING

PIPE STDOUT

DEFAULT CONFIGURATION

STABLE DISTRIBUTION

> RELIABLE UNDER HIGH LOAD

FINISH
SEIKO Sports Timer
A cappuccino
wake up,
flex the card,
lunch with
the girls,

WELCOME ABOARD

Cold

1 Jun
1228 Delayed to 12:40
91 Flight closing 3

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425

Where to START?

- Big shop? Get invested
- Small shop? Get creative

Jeff Pioquinto, SJ

SHIP it
AIDA
AIDAbella
www.aida.de

Marszałkowska
Poznańska
Parkingowa
Poznańska
131,501,519,520,522,525,N25,N31,N37,N75,N81

ENABLE LOGGING

PIPE STDOUT

DEFAULT CONFIGURATION

STABLE DISTRIBUTION

RELIABLE UNDER HIGH LOAD

SHARE INFO

IN ONE PLACE

HELP OTHER TEAMS HELP YOU

MAKE REMOTE WORKERS EQUAL

MAKE ONBOARDING SMOOTH

>

SHARE INFO

IN ONE PLACE

HELP OTHER TEAMS HELP YOU

MAKE REMOTE WORKERS EQUAL

MAKE ONBOARDING SMOOTH

SHARE INFO

> IN ONE PLACE

HELP OTHER TEAMS HELP YOU

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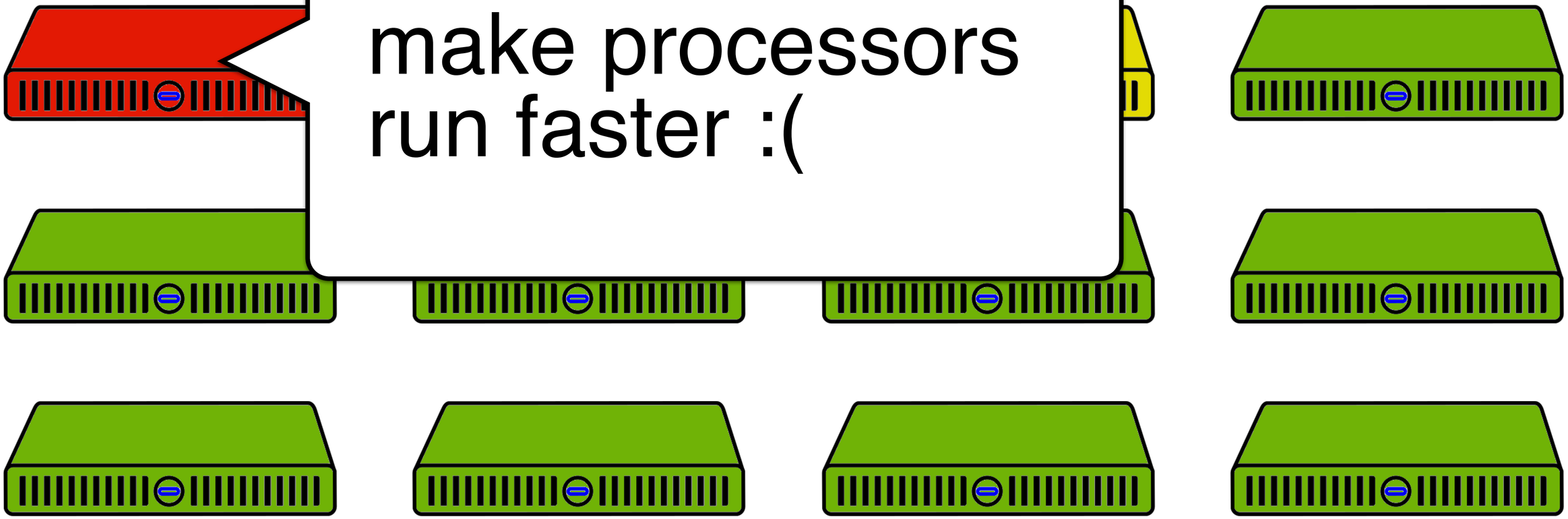
MAKE ONBOARDING SMOOTH

What's on FIRE today?



SHARE INFO

IN ONE PLACE

> HELP OTHER TEAMS HELP YOU

MAKE REMOTE WORKERS EQUAL

MAKE ONBOARDING SMOOTH

Welcome to Site Eng Requests!

The Central Services team has developed the Site Eng Requests site so that we can provide you with a more efficient and user friendly Ops request process. This site will eventually be used to submit all Site Engineering requests such as: adding or removing user accounts, provisioning new servers, and configuring monitoring and alerting.

For our initial release, we are only taking user access requests. As we gain familiarity with this new process, we will next enable the Monitoring and Provisioning forms, in addition to a general request form.

User Access

Request access to the Chicago VPN, servers, and accounts.

REQUEST

JIRA Tickets List

See your newly created ticket at the top of the list after submission.

VIEW JIRA LIST

Monitoring

Request monitoring through Nagios, etc.

COMING SOON

Provisioning

Request server space for a new service.

COMING SOON

SHARE INFO

IN ONE PLACE

HELP OTHER TEAMS HELP YOU

> MAKE REMOTE WORKERS EQUAL

MAKE ONBOARDING SMOOTH

THE VULTURE

SHARE INFO

IN ONE PLACE

HELP OTHER TEAMS HELP YOU

MAKE REMOTE WORKERS EQUAL

> MAKE ONBOARDING SMOOTH

Marszałkowska
Poznańska
Parkingowa
Poznańska
131,501,519,520,522,525,N25,N31,N37,N75,N81

almost
done

Thanks!
@ALICEGOLDFUSS

Safe Harbor

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44 openclipart.org

45 openclipart.org

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53 https://www.flickr.com/photos/wedhyherman/16733805724

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58 https://www.flickr.com/photos/buzzymelibee/8690774332/

61 https://www.flickr.com/photos/dmertl/5949203837/

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