

Deathmatch:



vs

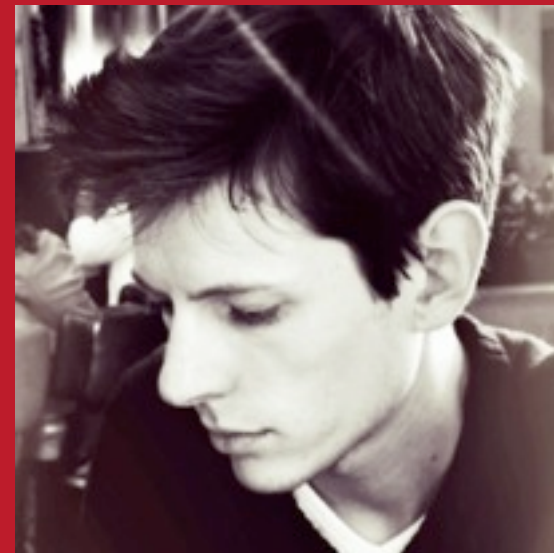


André Arko

@indirect



α t



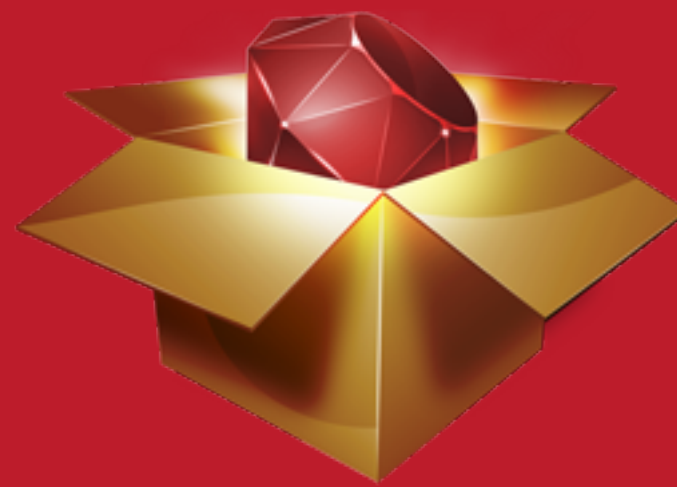
CLOUDCITY#
DEVELOPMENT

A stylized graphic element on the right side of the logo. It features a white outline of a cloud with a city skyline silhouette inside it. To the right of the cloud is an orange hashtag symbol (#).





VS





Bundler 1.0

Bundler 1.0

30 Aug 2010

Bundler 1.0

30 Aug 2010



bundle install

bundle install
...and install

bundle install
...and install
...and install

bundle install

...and install

...and install

...and install

...and install



(what seemed like)

10 minutes later...

THE #1 PROGRAMMER EXCUSE
FOR LEGITIMATELY SLACKING OFF:

"MY CODE'S BUNDLING"

HEY! GET BACK
TO WORK!

BUNDLING!

OH. CARRY ON.



bundler API

bundler API
just the gems you need

bundler API
so. much. faster.

32s → 8s
so. much. faster.

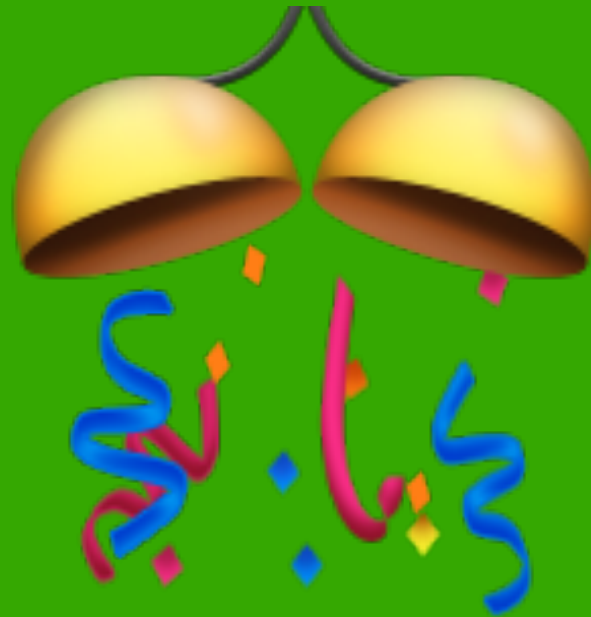
Bundler 1.1

Bundler 1.1

07 March 2012

Bundler I.I

07 March 2012



API requests
are lots of work

pride cometh
etc., etc...

dramatic
reenactment









no more API

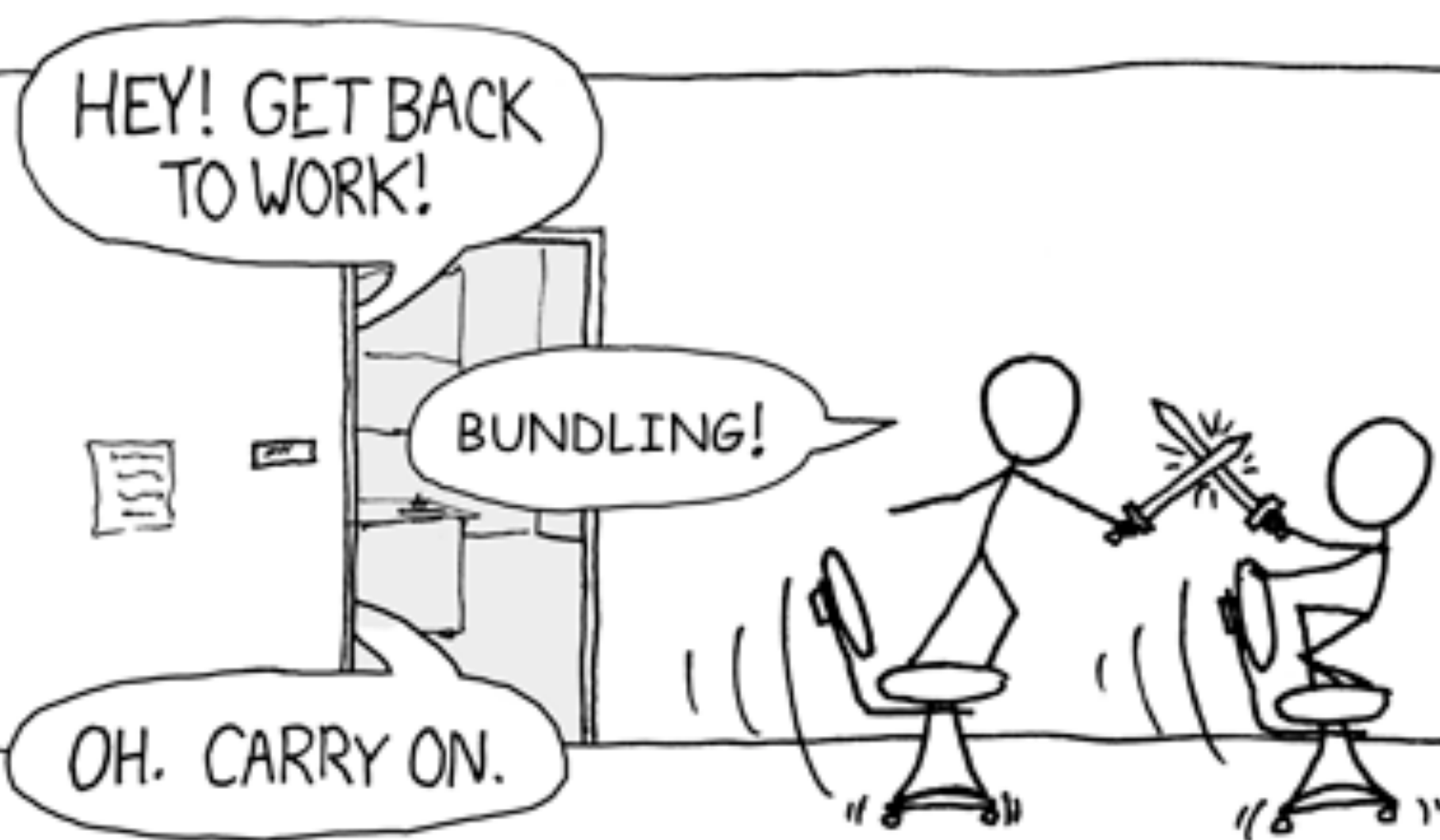
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crap.

replacement
a new bundler api

heroku

sinatra

postgres

questions

questions
will it work, this time?

questions
how is it bad?

questions
how can it be good?

answers
need measurements

we measure
a lot of things

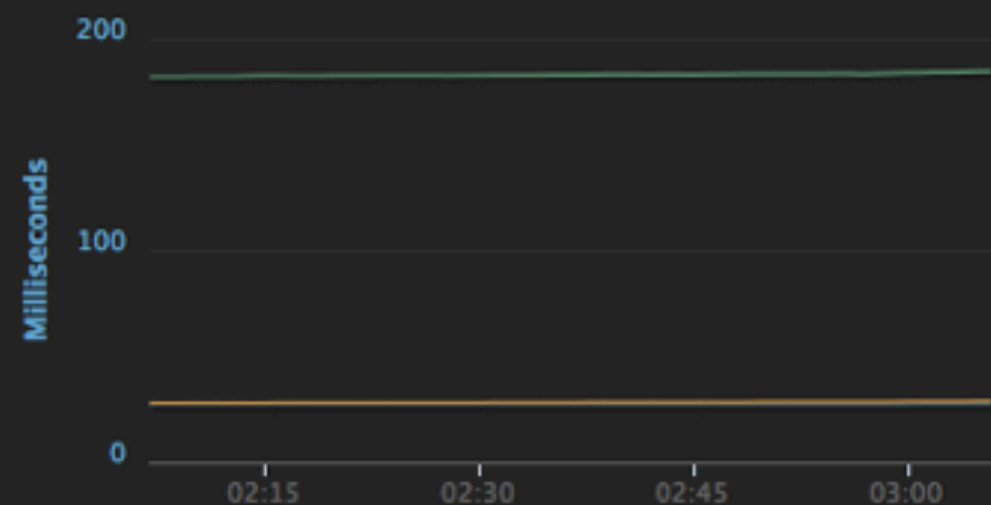
librato
tracks all the metrics



Overall Performance



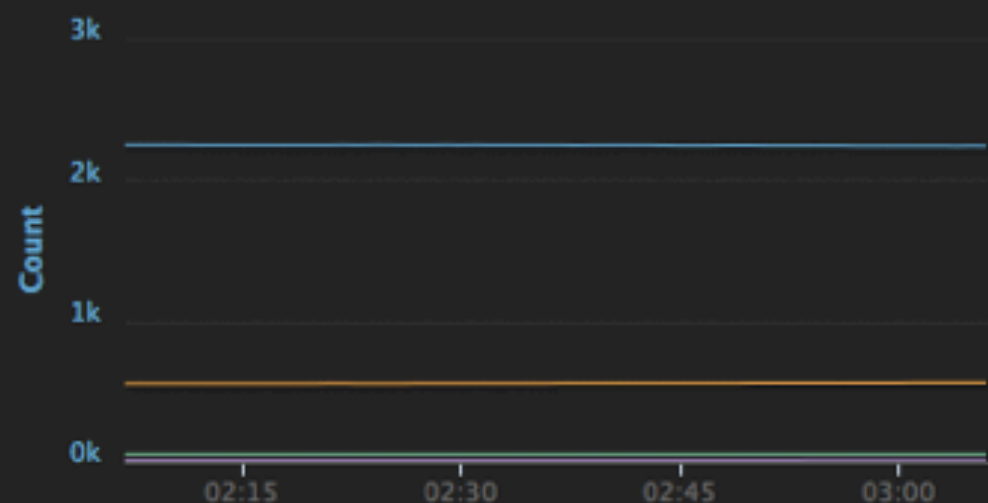
App Performance



Load



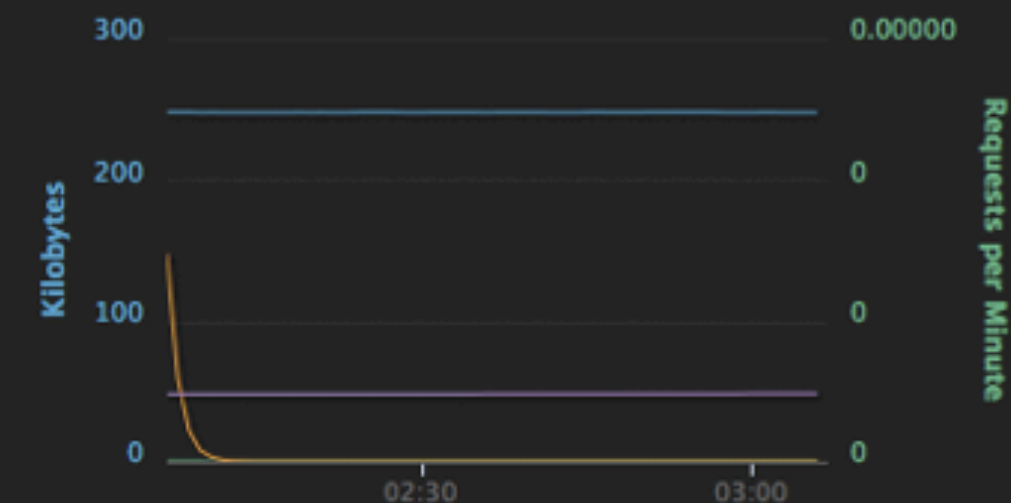
Bundle Size



Postgres Health



Responses



papertrail
logs all the lines

Heroku Add-ons

bundler-api → Resources

Activity

Collaborators

Settings

papertrail → Docs

bundler-api

Dashboard

Events

Account

Help

Profile

api.herokuapp.com request_id=7ccc10002eb297107011b71e010f25a0 fwd="54.245.255.174" dyno=web.1 connect=2ms service=2ms status=200 bytes=200

May 11 19:10:29 bundler-api heroku/router: at=info method=GET path=/api/v1/dependencies?gems=rake,abstract,activesupport,builder,i18n,activemodel,erubis,rack,rack-mount,rack-test,tzinfo,actionpack,mime-types,polyglot,treetop,mail,actionmailer,arel,activerecord,activeresource,pg,thor,railties,rails host=bundler-api.herokuapp.com request_id=d243b990441d7ffe58ed9f5599aadc39 fwd="23.20.161.99" dyno=web.1 connect=1ms service=144ms status=200 bytes=231050

May 11 19:10:29 bundler-api heroku/router: at=info method=GET path=/api/v1/dependencies?gems=little-plugger,loquacious,bones-git,bones-extras,needle,jruby-pageant,echoe,rspec-mocks,rspec-expectations,rspec-core,cucumber,diff-lcs,spicycode-rcov host=bundler-api.herokuapp.com request_id=5251e05c982ceb89bab990bcaf18e3d9 fwd="54.245.255.174" dyno=web.3 connect=3ms service=49ms status=200 bytes=48627

May 11 19:10:29 bundler-api heroku/router: at=info method=GET path=/api/v1/dependencies?gems=bones-rcov,bones-rubyforge,bones-rspec,bones-zentest,git,language,escape_utils host=bundler-api.herokuapp.com request_id=bb77840c19bf3bff8706762efe142e5c fwd="54.245.255.174" dyno=web.4 connect=2ms service=12ms status=200 bytes=2529

May 11 19:10:30 bundler-api heroku/router: at=info method=HEAD path=/api/v1/dependencies?gems=rails,mysql2,sass-rails,coffee-rails,therubyracer,uglifyer,jquery-rails,exception_notification,syslog-m1-logger,pry-rails,ruby-oci8,activerecord-oracle_enhanced-adapter host=bundler-api.herokuapp.com request_id=bd82d9efe1aadd4b8b1b41b709441ccb fwd="54.245.255.174" dyno=web.1 connect=2ms service=79ms status=200 bytes=0

May 11 19:10:30 bundler-api heroku/router: at=info method=GET path=/api/v1/dependencies?gems=bones-rcov,bones-rubyforge,bones-rspec,bones-zentest,git,gherkin,term-ansicolor,treetop,polyglot,highline,allison,rdoc host=bundler-api.herokuapp.com request_id=a6c3ff47311c555aaf613aeabb421d20 fwd="54.245.255.174" dyno=web.1 connect=1ms service=131ms status=200 bytes=57322

May 11 19:10:30 bundler-api heroku/scheduler.7783: source=heroku.8536910.scheduler.7783.3b7d191d-79bc-418a-88a8-a474d025f04d measure=load_avg_1m val=0.38

May 11 19:10:30 bundler-api heroku/scheduler.7783: source=heroku.8536910.scheduler.7783.3b7d191d-79bc-418a-88a8-a474d025f04d measure=load_avg_5m val=0.45

May 11 19:10:30 bundler-api heroku/scheduler.7783: source=heroku.8536910.scheduler.7783.3b7d191d-79bc-418a-88a8-a474d025f04d measure=memory_total val=379.78 units=MB

May 11 19:10:30 bundler-api heroku/scheduler.7783: source=heroku.8536910.scheduler.7783.3b7d191d-79bc-418a-88a8-a474d025f04d measure=memory_rss val=378.46 units=MB

May 11 19:10:30 bundler-api heroku/scheduler.7783: source=heroku.8536910.scheduler.7783.3b7d191d-79bc-418a-88a8-a474d025f04d measure=memory_cache val=1.32 units=MB

May 11 19:10:30 bundler-api heroku/scheduler.7783: source=heroku.8536910.scheduler.7783.3b7d191d-79bc-418a-88a8-a474d025f04d measure=memory_swap val=0.00 units=MB

May 11 19:10:30 bundler-api heroku/scheduler.7783: source=heroku.8536910.scheduler.7783.3b7d191d-79bc-418a-88a8-a474d025f04d measure=memory_pgpgin val=104659 units=pages

May 11 19:10:30 bundler-api heroku/scheduler.7783: source=heroku.8536910.scheduler.7783.3b7d191d-79bc-418a-88a8-a474d025f04d measure=memory_pgpgout val=7435 units=pages

May 11 19:10:30 bundler-api heroku/router: at=info method=GET path=/api/v1/dependencies?gems=mail,text-format,erubis,rack-test,rack,builder,journey,rack-cache,activemodel,rack-mount,i18n,tzinfo,activerecord-deprecated_finders,arel,rails-observers,thread_safe,minitest,memcache-client,coffee-script-source,bones,rdoc,rack-ssl,listen,hike,libv8,ref host=bundler.rubygems.org request_id=2fd418ee50b1608f5c8b2568a94f4091 fwd="49.212.166.160" dyno=web.8 connect=0ms service=152ms status=200 bytes=66110

May 11 19:10:31 bundler-api heroku/router: at=info method=GET path=/api/v1/dependencies?gems=highline,allison host=bundler.rubygems.org request_id=9f326314f21b753dc0612f9f1810bb39 fwd="96.25.198.233" dyno=web.4 connect=1ms service=8ms status=200 bytes=2269

Example: "access denied" (1.2.3.4 OR redis) -sshd

Search

Searches

OFF

TRUNCATE

CONTRAST

measuring
leads to knowledge

discovery |
small postgres is fast

discovery |
big postgres is faster

discovery 2
redis caching was slow

discovery 3

usage is hard to measure

discovery 4
threading is great!

discovery 4
threading is great!
...but deadlocks aren't

discovery 5
“response time” isn’t

discovery 5
“response time” isn’t
so check from outside

then the bugs
came rolling in

synchronizing
is really, really hard

background
processing is slow

webooks
are unreliable

both is
actually pretty good

after all that
bundling is fast again

2s → 20ms

two entire orders of
magnitude faster

it's okay,
I guess

we can do
way better

and we
have a plan

you
can help

operators
are standing by

thank you