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# Shelly Cloud, Heroku & EngineYard

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## Pros & Cons

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# That's not a battle

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It's not about which one is better.. it's all about showing the pros & cons of those platforms..

In the end.. it's up to you to choose the right one!

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# Cloud Computing?

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Pay-per-use (or pay-as-you-go)

On-demand

Computing resources

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# So what are those services?

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Delivering platform as a service

Deployments are done by pushing with git  
Competence needed? No! It's simple as that!

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# What is PaaS?

DIY	IaaS	PaaS	
Applications	Applications	Applications	
Application Data	Application Data	Application Data	
Databases	Databases	Databases	
Runtime	Runtime	Runtime	
Middleware	Middleware	Middleware	Managed by Customer
Operating Systems	Operating Systems	Operating Systems	Managed by Vendor
Virtualization	Virtualization	Virtualization	
Servers	Servers	Servers	
Storage	Storage	Storage	
Networking	Networking	Networking	

# Example of git push at ShellyCloud

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```
$ git push myapp-production master
Counting objects: 74, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (47/47), done.
Writing objects: 100% (47/47), 5.60 KiB, done.
Total 47 (delta 39), reused 0 (delta 0)
remote:
remote: ---> Received push to cloud 'myapp-production'
remote: ---> Checking Gemfile
remote: ---> Deploying your application
remote:
remote: ---> Deployment on server app1 started
remote: ---> Deployment on server app1 finished
remote:
remote: ---> Deployment successful
To git@git.shellycloud.com:myapp-production.git
   9ce50af..00a4ab4  master -> master
```

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# Example of git push at Heroku

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```
$ git push heroku master
-----> Heroku receiving push
-----> Rails app detected
-----> Compiled slug size is 8.0MB
-----> Launching... done, v1
http://sushi.herokuapp.com deployed to
Heroku
```

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# Example of git push at EngineYard

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Either through the web dashboard or CLI

## 1. GUI:

Git Repository URI

Enter the git URI where the application source code is stored.



## 2. CLI:

```
ey deploy --environment='example_production' --app="new_rails_app" --account="Example"
```



# Aim

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Hide all administration stuff

Developers focus on building application and not on deployment nor infrastructure

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# Management via command line tool

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**shelly** - cli for ShellyCloud

**heroku-toolbelt** - cli for Heroku

**ey** (engineyard gem) - cli for EngineYard

# Infrastructure management

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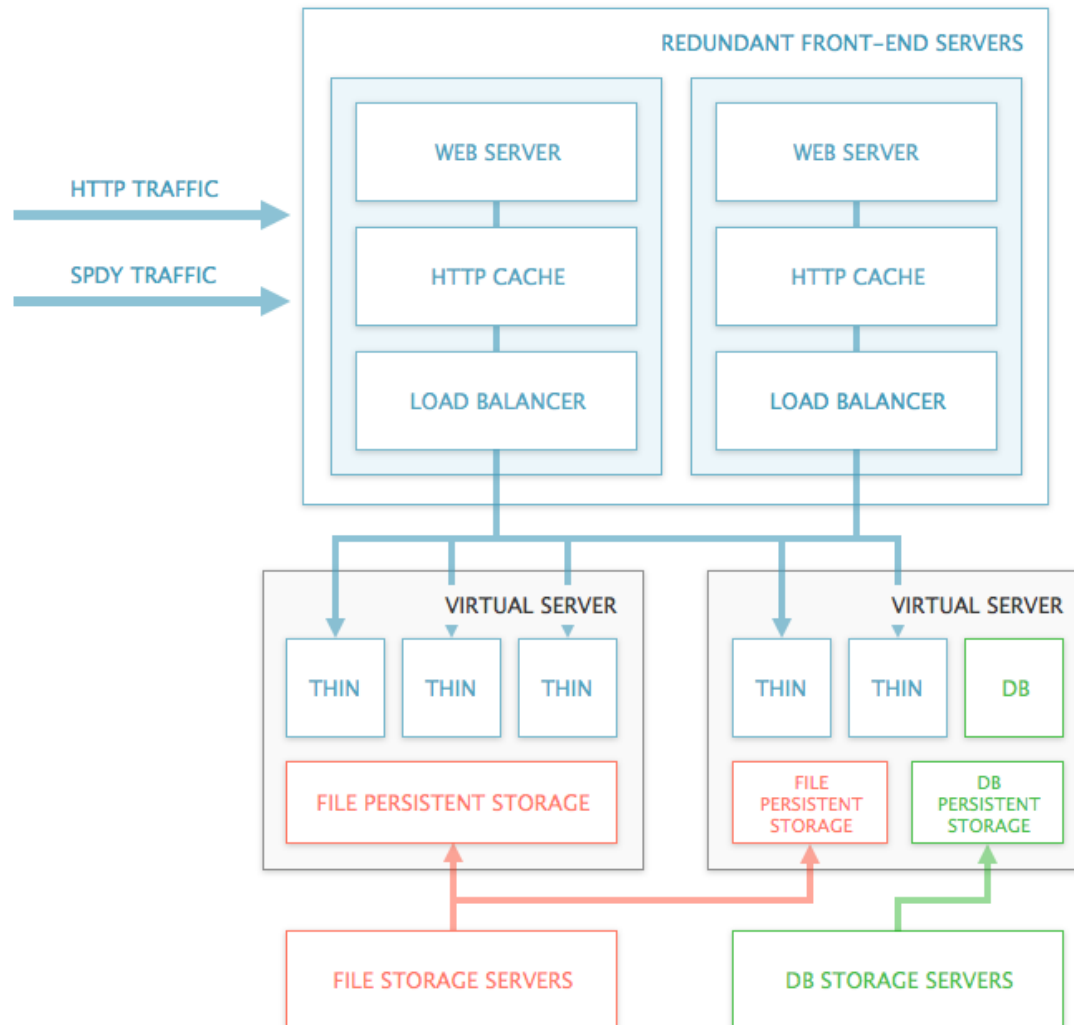
Cloudfile in ShellyCloud

Web based, Procfile - in Heroku

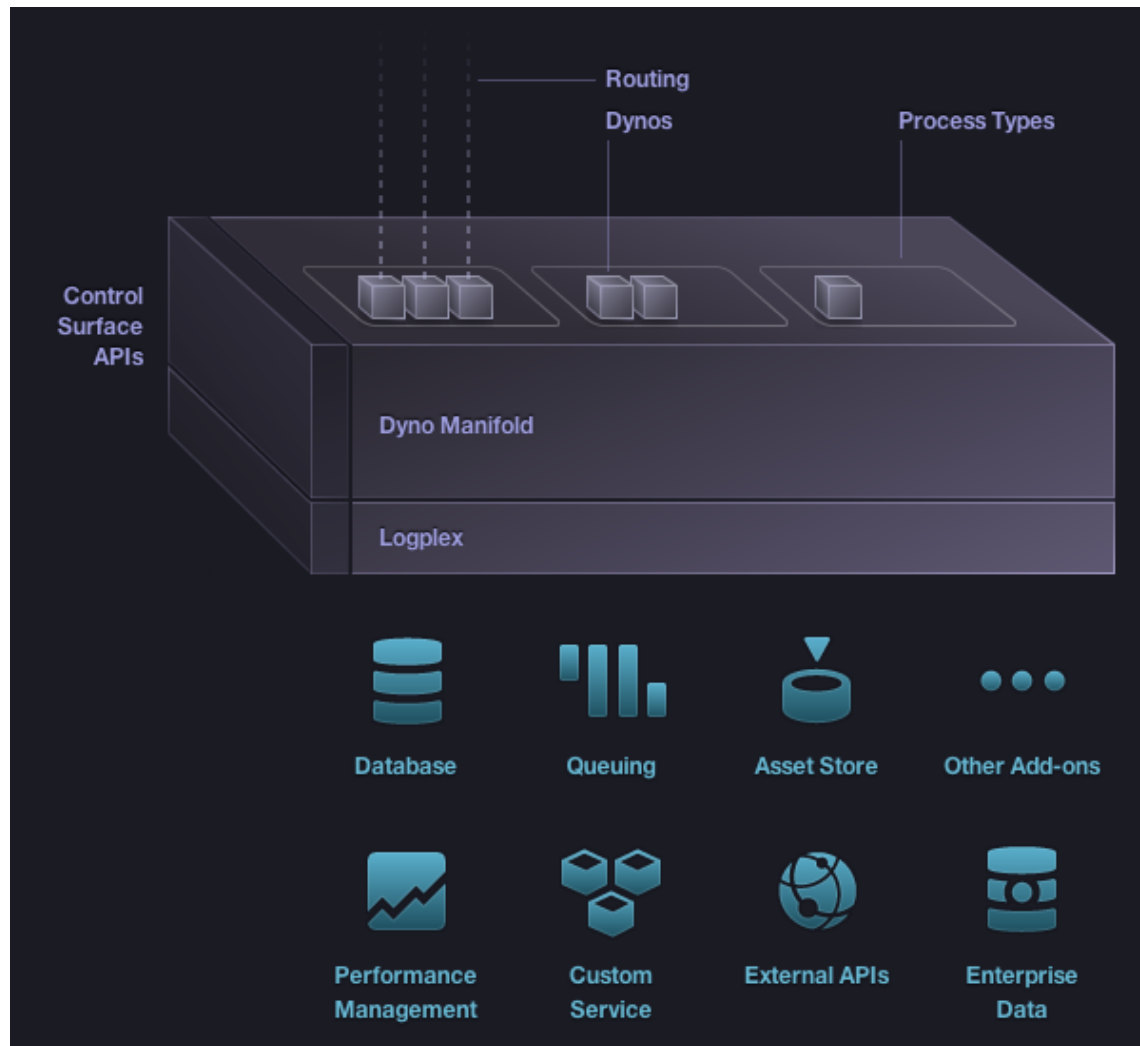
Web based, API (now in beta, coming soon) - in  
EngineYard

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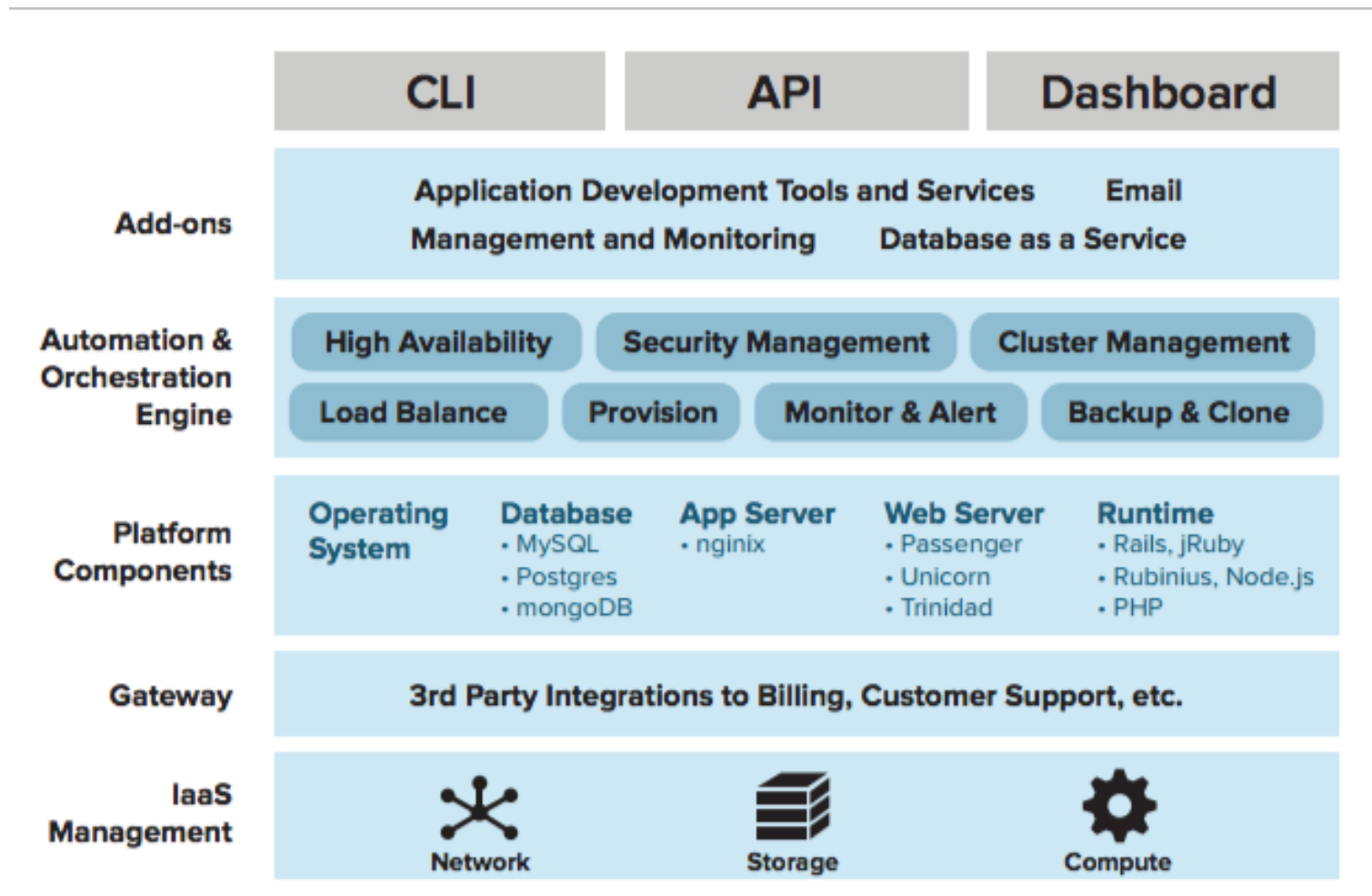
# ShellyCloud architecture



# Heroku architecture



# Engine Yard architecture



# Pricing

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## Heroku

- per process / worker

## EngineYard

- per instance

## Shelly Cloud

- per instance
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# Supported languages

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Heroku supports many platforms: **Ruby, Java, Python, Clojure, Scala, Node.js**

EngineYard supports: **PHP, Ruby, Node.js**

ShellyCloud is **Ruby** oriented.

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# FREE plans

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Application with only 1 worker is always **FREE** at Heroku.

Engine Yard has a free trial, that offers 500 free Hours

ShellyCloud offers 20 credit for the first cloud, that's 1 month for FREE.

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# File storage

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Storing files at Shelly Cloud local storage shared among all app instances

Heroku you need S3 (simple storage service)

EngineYard attaches separate EBS Volume to every instance. Snapshots and Backups are automatically uploaded to designated S3 bucket. You can use your own S3 Bucket as well.

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# Sending emails

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**ShellyCloud** provides already configured mail servers

**Heroku** external service has to be used, i.e. *"Sendgrid"*

**EngineYard** external service in form of addons has to be used, i.e. *"Sendgrid"*, *"Mailgun"*

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# Databases supported

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ShellyCloud - PostgreSQL, Redis, MongoDB

Heroku - PostgreSQL, MySQL, Redis,  
MongoDB

EngineYard - PostgreSQL, MySQL, Riak,  
MongoDB, Redis

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# DEMO

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# Shelly Cloud

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# DEMO

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# Heroku

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# DEMO

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# EngineYard

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# Redeem code for conference attendees from ShellyCloud

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Code: RUBYCONFLT13

Valid for: 1 month

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# Questions?

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# Thank You

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