

# Getting Online with Docker and other Black Magic

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# Agenda

- Why Rasputin Labs? (Feeble attempt at comedy)
- About Rasputin Labs BlackMailApp?
- How I learned to love the cloud!
- Throw it all in a Dockerfile. What could possibly go wrong?
- Persistence? What Persistence?
- Microservices what?
- Why be a button pusher? (CI/CD)

# Why Rasputin Labs?

- David looks a lot like Grigori Yefimovich Rasputin.
- Rasputin is an evil mystical historical figure.
- Labs = trendy right? Too cheap for .io domain...
- Did we mention Dave looks like Rasputin?



# BlackMailApp Demo

- Introduce you to our great product!
- <https://blackmailapp.rasputinlabs.com>

How I learned to  
love the Cloud

(Docker Cloud  
Brief Demo)

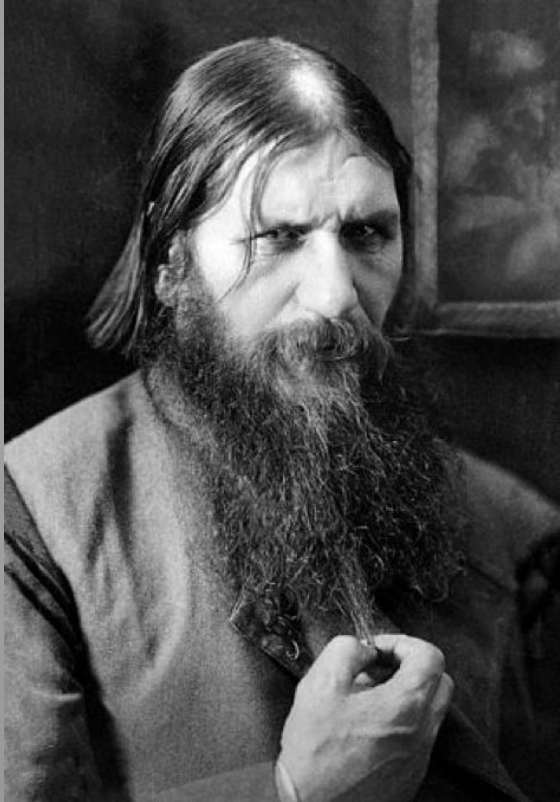


# Throw it all in a Dockerfile. What could possibly go wrong?

- Rasputin's BlackMail Dockerfile Explained
- 49 build steps == not so great!
- Modularity is easy and should be leveraged
- Environment Variables and Linux
- `/bin/sh -c` is default **ENTRYPOINT**
- **COMMAND** is supplied to **ENTRYPOINT** executable
- **COPY** vs **ADD** (hint: **COPY** is reliable, **ADD** is unusual)
- **FROM** and the Docker Hub ecosystem
- `docker build -t namespace/image:tag .`



# Persistence? What Persistence?



- VOLUMES – yes.  
(well maybe, it depends)
- [12 Factor App](#)
- Apps in containers are meant to be disposable and easily replaced. Data however, we want to keep that...
- Databases / Image uploading – maybe use services

# Microservices what?



- Make all the things small, independent and numerous
- Cattle vs Pets
- Proxy / Load Balancers
- Orchestration platforms



# Why be a button pusher?



- Continuous Delivery vs Continuous Deployment. Deploying at the push of a button is great. What is even better is automatic deployment
- Automatic testing and why it's extremely important for Continuous Deployment.

Q&A