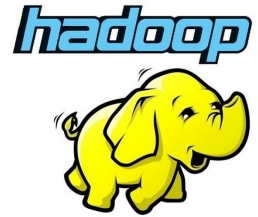


# Open Source - The Game Changer

By  
Barkan Saeed

# Game Changer for the Innovators

# Open source in last 10 years



If we only had commercial software,  
that would have been a road block

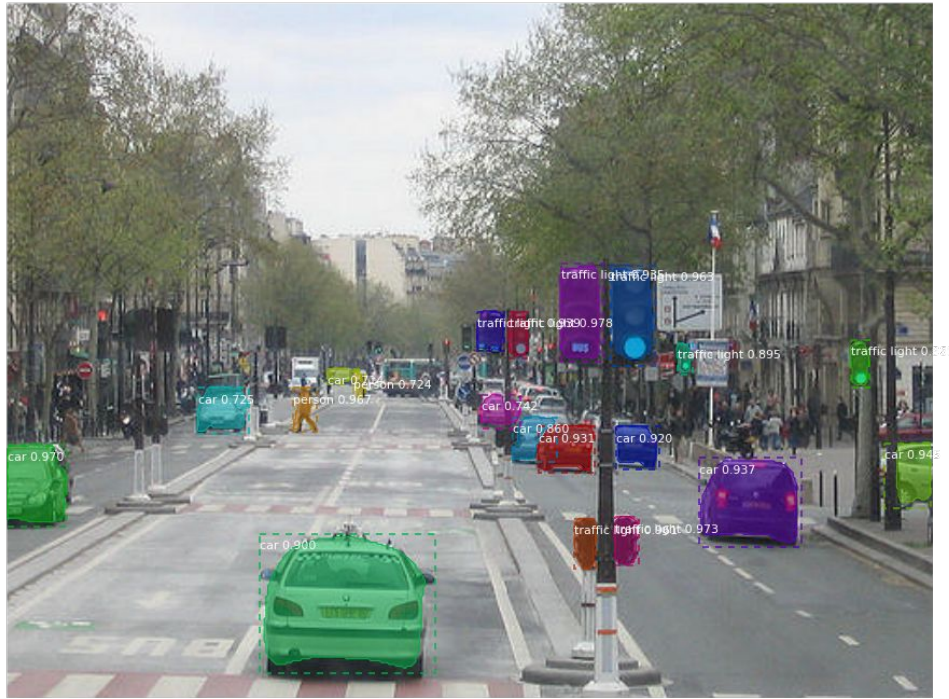
# The New Wave of 4th Industrial revolution

What do they want to build today?





Self driving cars



# Keras - Open source machine learning

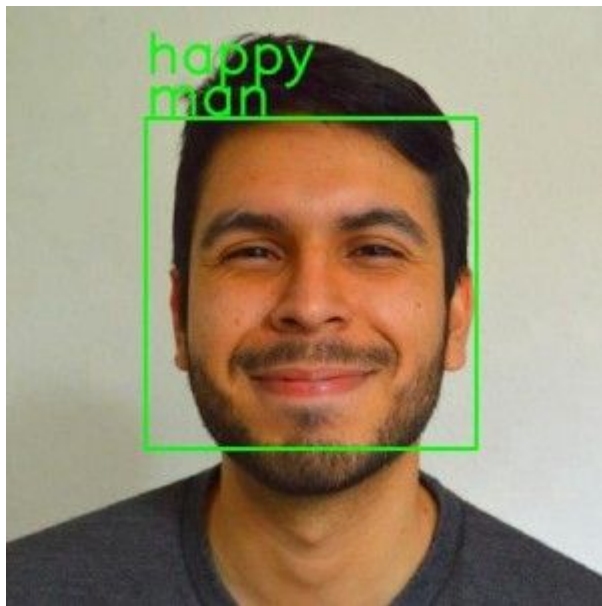




3d Printed exoskeletons



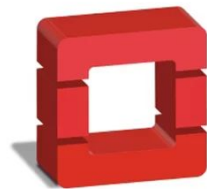
Open source library for coloring  
images



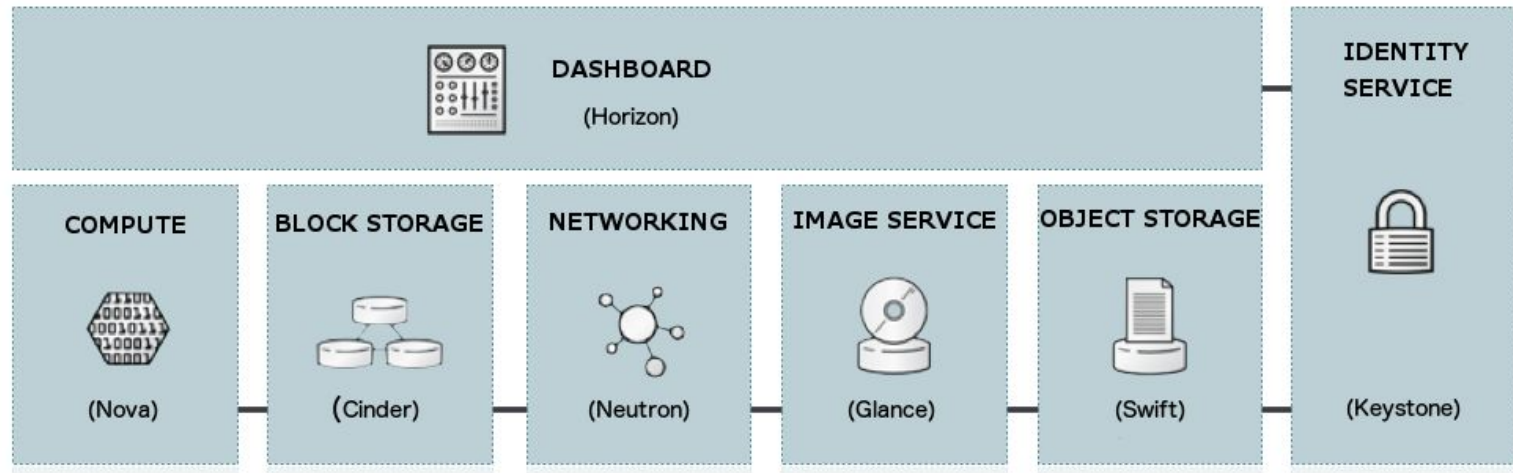
Face Detection



Cloud



**openstack**  
CLOUD SOFTWARE



- Mainly government is driving the shift towards open cloud.
- No vendor lock in
- Data protection and security


# 3d Printing



Revolutionize manufacturing



Customizable 3d printers, open  
filament standards, open templates



# Internet Of Things

Millions of devices talking to each  
other

Open source hardware & software



AI, cloud, and IoT will drive 2018  
growth, say chip makers

- Messaging Protocols
- Operating systems
- API's
- Data visualization

# Software Development



**1**  
Project Requirement  
Elicitation



**2**  
Manage the project  
using JIRA.



**3**  
Managing & Negotiating  
Code using BitBucket.



**4**  
Continuous Integration  
using Jenkins.



**5**  
Managing the Code  
Quality with SonarQube.



# Open Source in Government

# Open source and cyber security

We also need to give back to the world



Thank you

