Cloud Computing

an introduction

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Aditya Putra

adityaputra

DevOps & cloud engineer - AWS certified. Based in TW & ID.

Edit profile

4 followers · **9** following

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Taipei
me@adityaputra.com
https://adityaputra.com

Achievements

x3

Beta Send feedback

Highlights

Developer Program Member

Organizations

Overview | Repositories 41 | Projects | Packages | Stars 101

Pinned

Customize your pins

server-utilities Public
miscelaneous useful scrips for server-related works
Shell ☆ 1 1

telegram-locate-me Public
Forked from yukuku/telebot
Telegram Finder Bot. Useful to find nearby places using Telegram Bot Platform.
Python ☆ 2

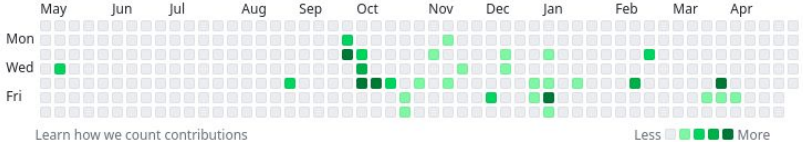
advanced-chat Public
Forked from ditaoktaria/advanced-chat
JavaScript ☆ 1

business-directory Public
Business directory site, built with codeigniter
JavaScript ☆ 1 5

html-dead-pixel-check Public
A simple HTML, CSS, and Javascript tool to check any dead pixels on your screen.
HTML ☆ 1

59 contributions in the last year

Contribution settings



Learn how we count contributions

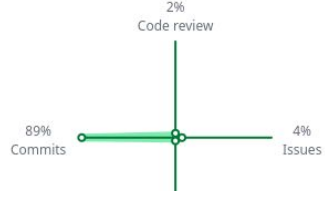
Less More

2023
2022
2021
2020
2019
2018
2017
2016
2015
2014

@AstralWebTW

Activity overview

Contributed to
adityaputra/pemrograman-web,
AstralWebTW/cht-edm,
AstralWebTW/feetfirst-linode
and 10 other repositories



Praktisi Mengajar

instagram.com/praktisimengajar

Our plan

4 classes with lecture, demo, and workshop – both online and in-person, 3h each

- Introduction of IT industry, cloud computing, and DevOps
- Containerization technologies
- Public cloud (part 1)
- Public cloud (part 2)

Our today's discussion

- Introduction about IT industry (and whether it's really related to your study)
- Introduction about cloud computing
- Introduction about DevOps and CI/CD
- Future trends

Why
do you study
computer science?

HELPNETSECURITY

10 IT INDUSTRY TRENDS TO WATCH IN 2022

1. The workplace can no longer be easily defined
2. Changes in business travel drive innovation
3. The impact of regulation goes beyond new laws
4. Technology budgets experience stealth growth
5. Proactive cybersecurity takes a big step forward
6. Channel cybersecurity has a ways to go
7. Consulting: Today's channel opportunity
8. Chip supply chain woes provide wake-up call
9. Software development gets more granular
10. Foundational data management drives an analytics revolution

SOURCE: CompTIA

Academia

Industry

Opportunities in IT

- Global opportunities
- Evolving rapidly - requiring continuous learning
- Not limited to traditional IT engineering jobs
- New fields of work keeps coming
  - Cloud
  - AI
  - Automation
  - Data science / analytics
  - Academics work

Getting started and advancing in IT career

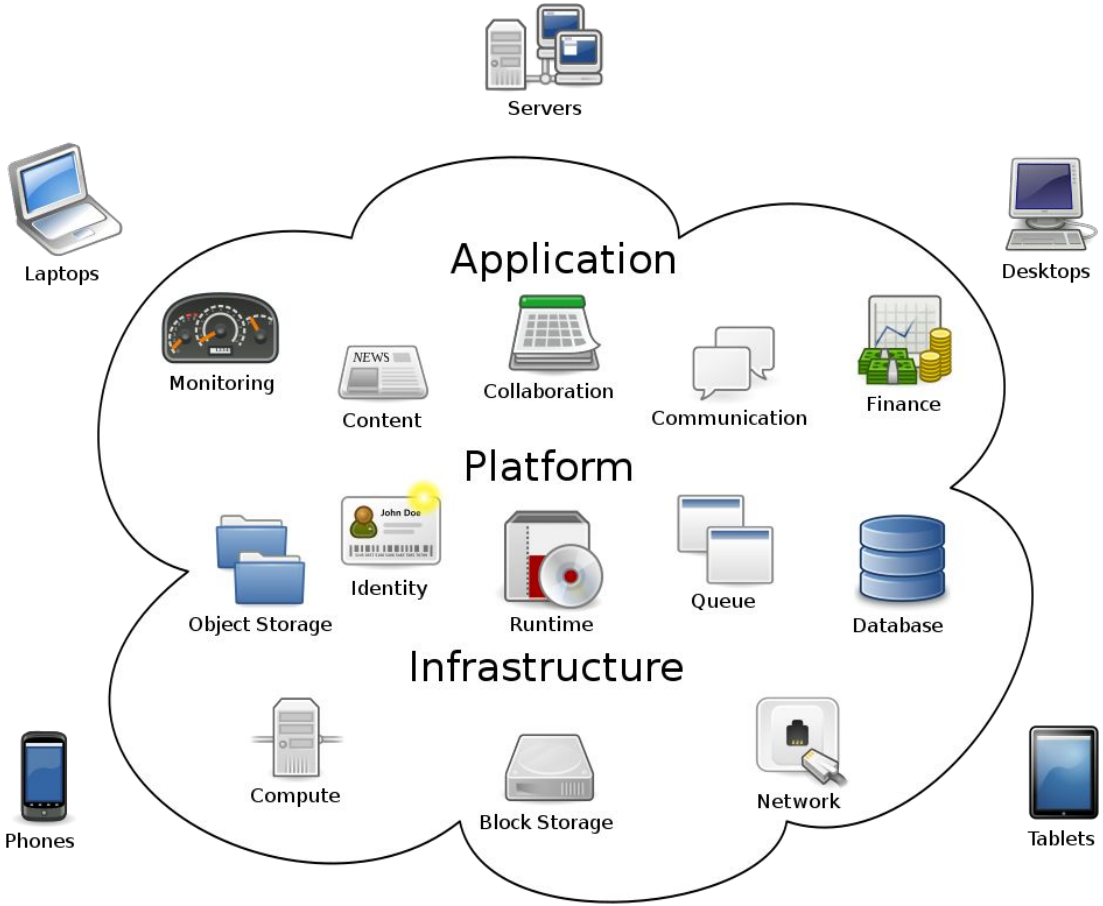
- Self-paced learning, and keep learning
  - Invest time in learning - even when you're working
- Allocate time for life, work, and study
- Learn from experts
- Join communities
- Start building your CV right NOW
- Start working / freelancing, when possible
- Don't be afraid of black and white consoles. Terminal is your friend.
- English is a must
- Enjoy the process, don't worry about the pay!

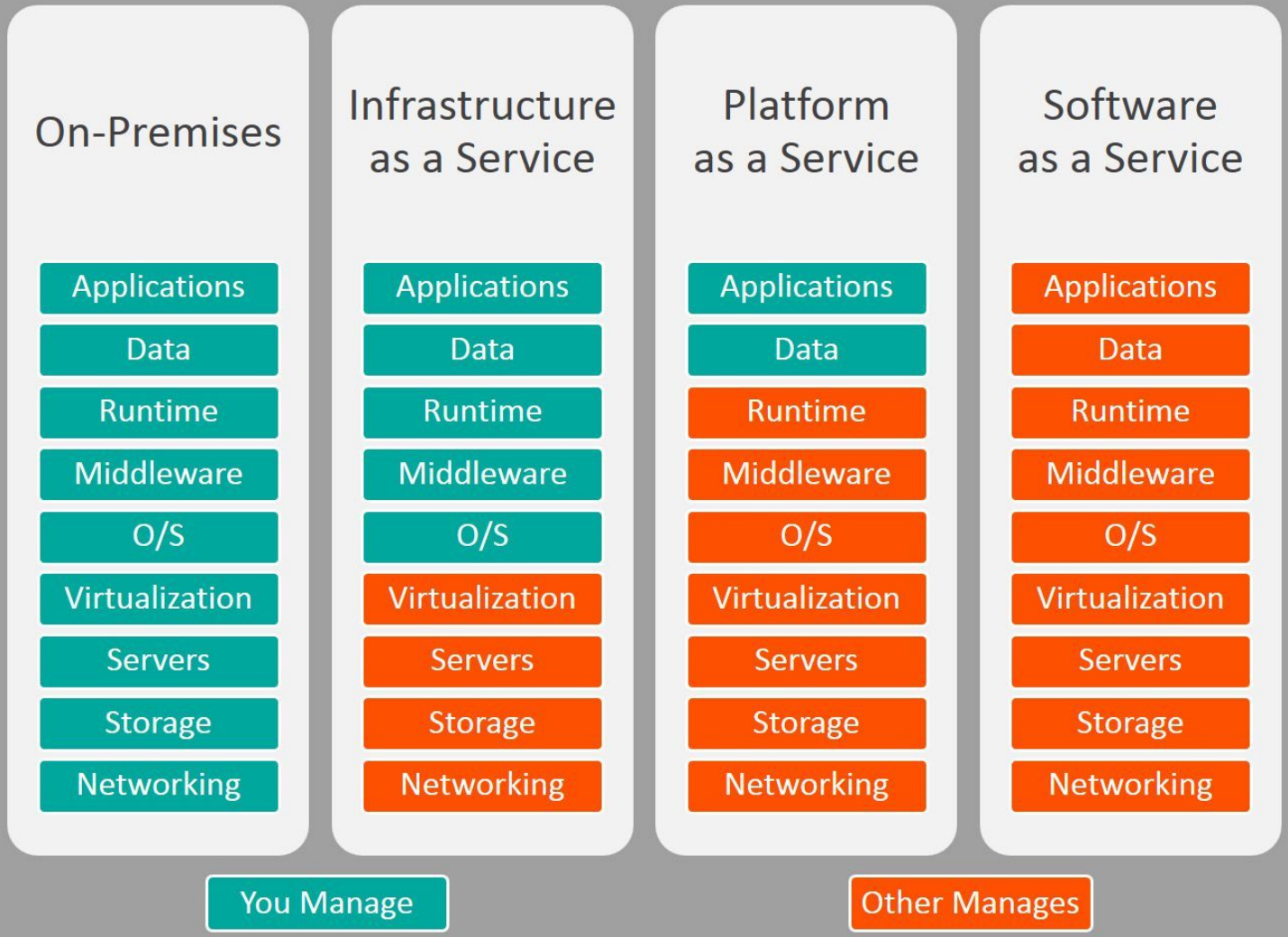
What do you think about cloud computing?

Cloud computing is . . .

the on-demand availability of computer system resources, especially data storage (cloud storage) and computing power, without direct active management by the user.

What is Cloud Computing?


Servers
Laptops
Desktops
Application
Monitoring
Content
Collaboration
Communication
Finance
Platform
Identity
Object Storage
Runtime
Queue
Database
Infrastructure
Compute
Block Storage
Network
Phones
Tablets


On-Premises
Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking
Infrastructure as a Service
Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking
Platform as a Service
Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking
Software as a Service
Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking
You Manage
Other Manages

IaaS vs. PaaS vs. SaaS Examples

IaaS	PaaS	SaaS
Amazon Web Services	Google App Engine	HubSpot
Google Cloud	Red Hat OpenShift	JIRA
Microsoft Azure	Heroku	Dropbox
IBM Cloud	Apprenda	DocuSign

Characteristics of cloud

Agility

Elasticity

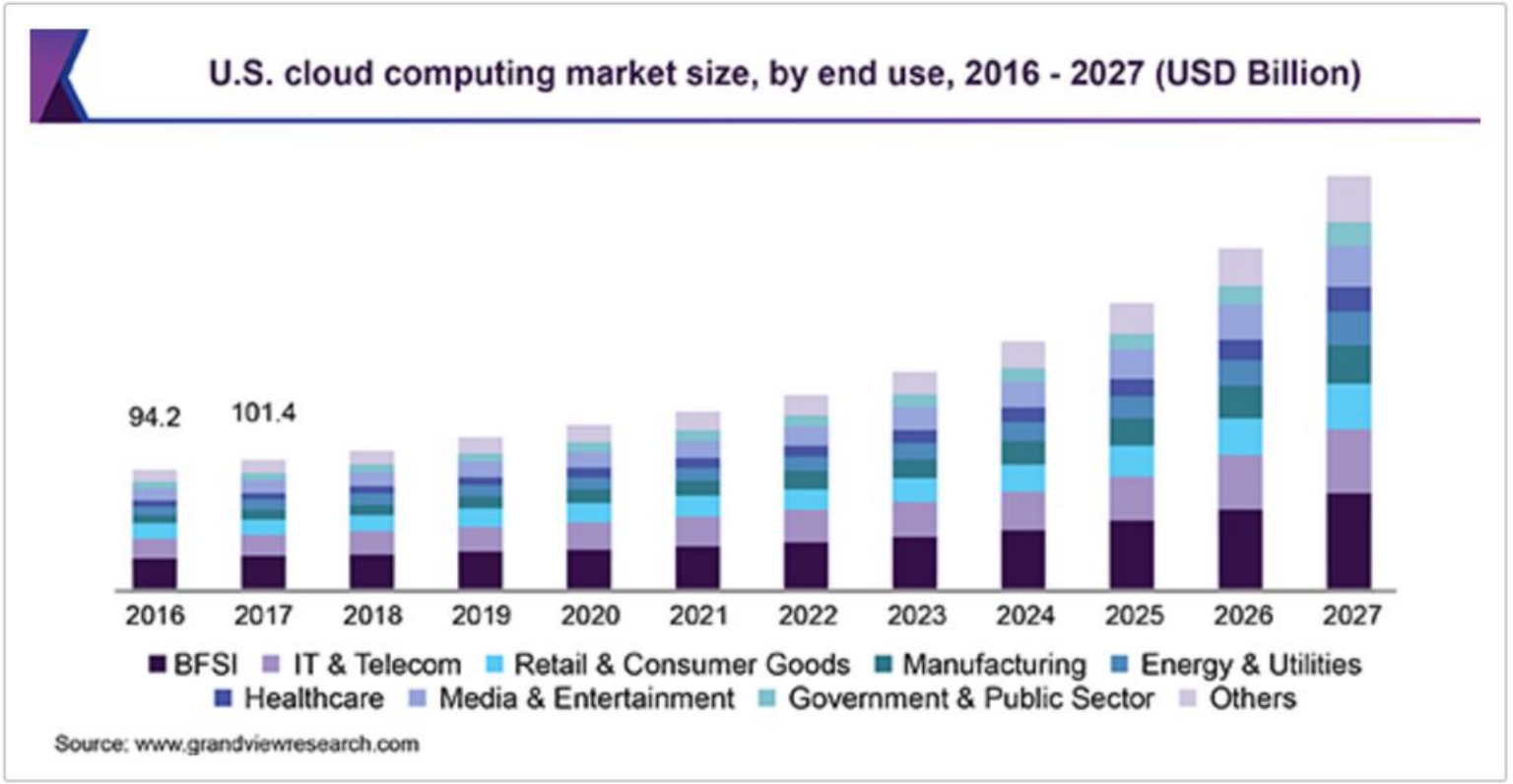
Cost savings

Deploy globally in minutes

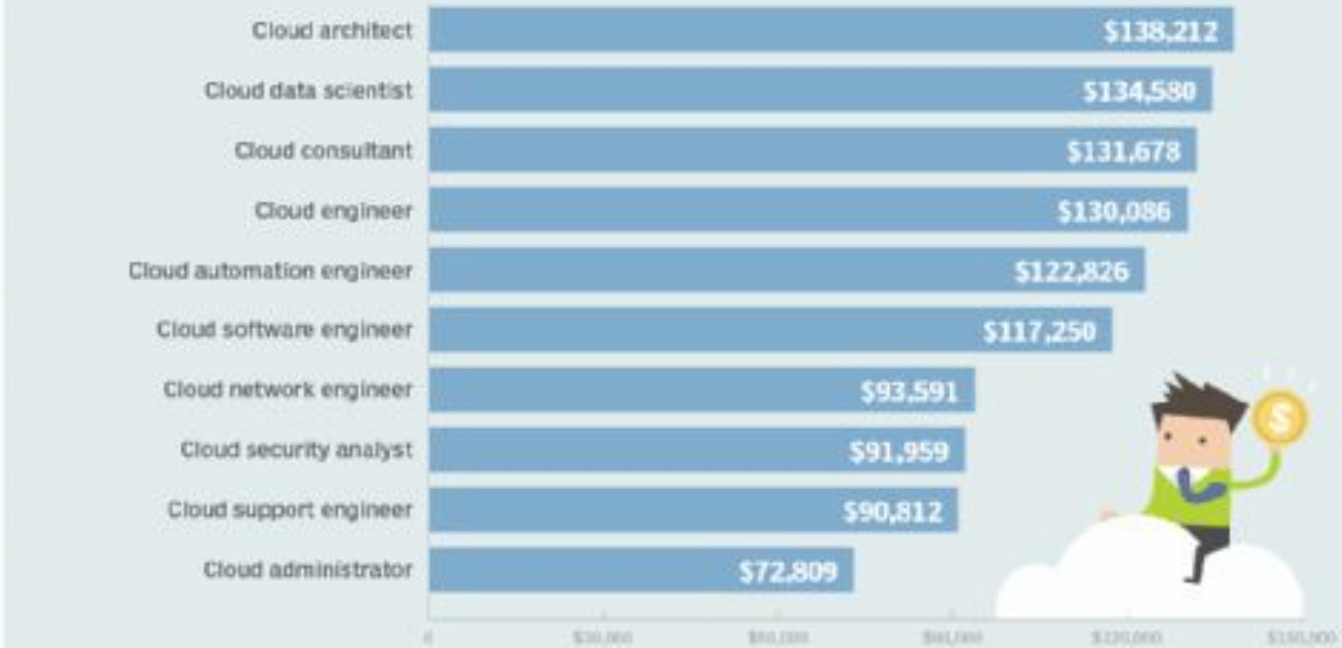
Use cases of cloud

- IaaS and PaaS
- SaaS
- Hybrid cloud and multi-cloud
- Test and development
- Big data analytics
- Cloud storage
- Disaster recovery and data backup
- Highly available application deployment

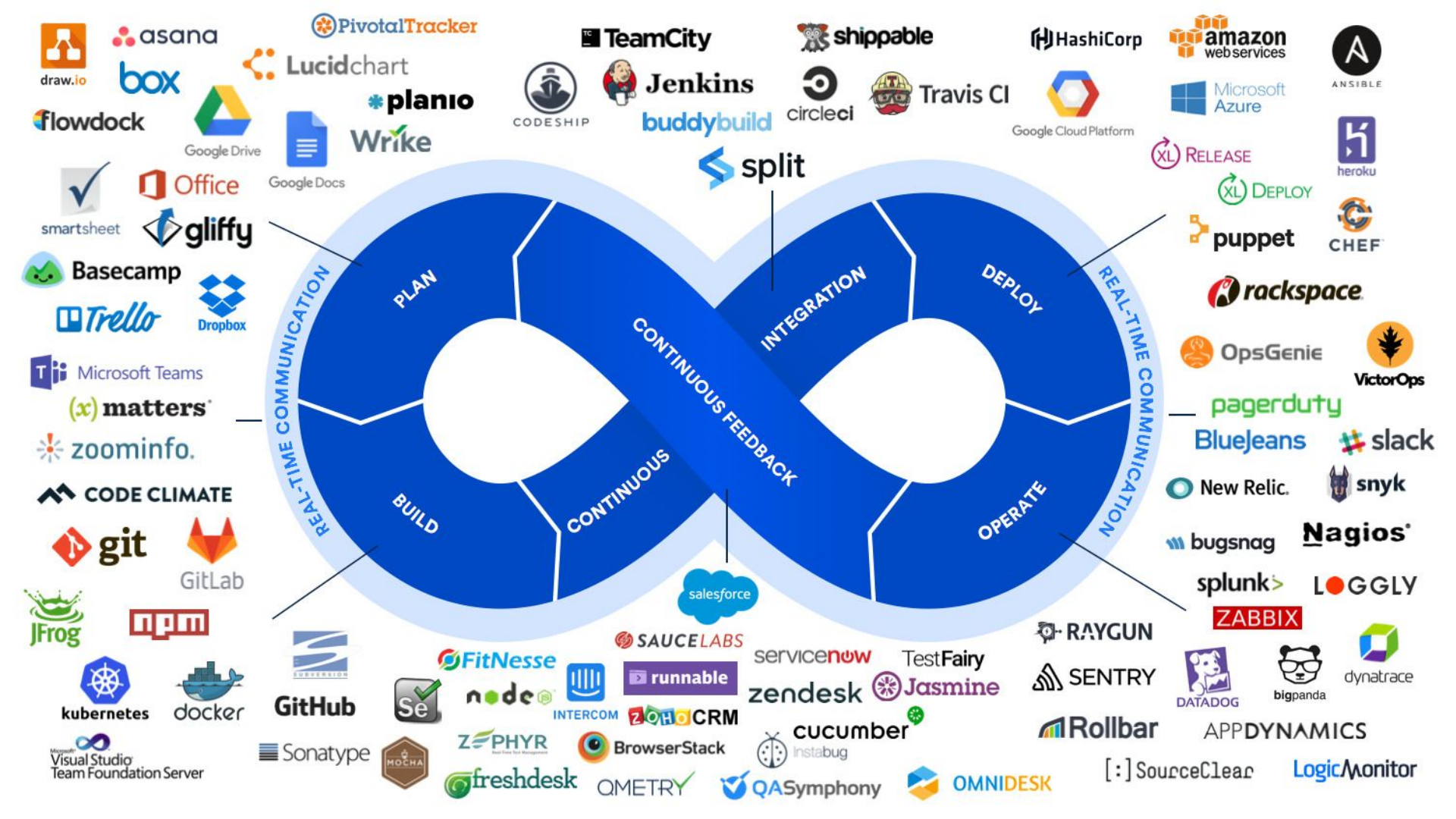
Cloud potentials



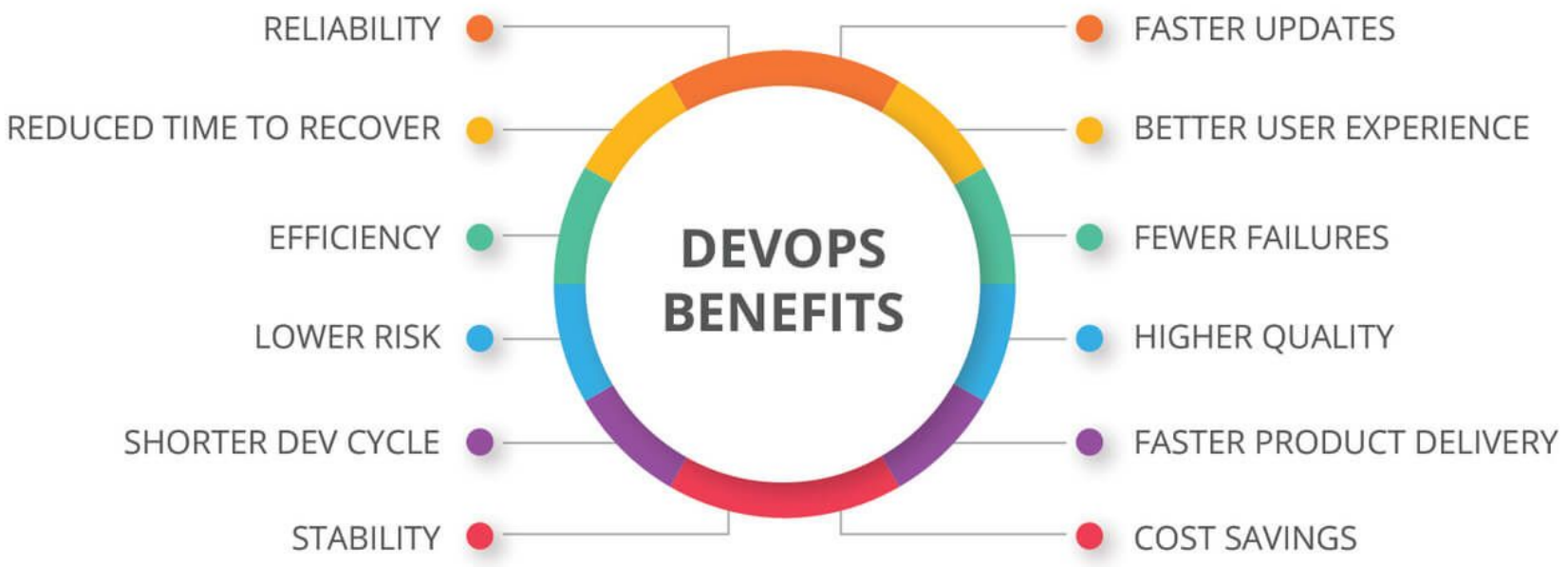
Average cloud computing career salaries



DevOps
culture in companies


PLAN
CONTINUOUS
INTEGRATION
DEPLOY
BUILD
CONTINUOUS
OPERATE
CONTINUOUS FEEDBACK
REAL-TIME COMMUNICATION
REAL-TIME COMMUNICATION
draw.io
asana
PivotalTracker
box
Lucidchart
planio
flowdock
Google Drive
Google Docs
Wrike
Office
smartsheet
gliffy
Basecamp
Trello
Dropbox
Microsoft Teams
(x) matters
zoominfo.
CODE CLIMATE
git
GitLab
JFrog
npm
kubernetes
docker
Visual Studio Team Foundation Server
GitHub
Sonatype
TeamCity
shippable
HashiCorp
amazon web services
ANSIBLE
CODESHIP
Jenkins
circleci
Travis CI
Google Cloud Platform
Microsoft Azure
buddybuild
split
RELEASE
DEPLOY
heroku
puppet
CHEF
rackspace
OpsGenie
VictorOps
pagerduty
BlueJeans
slack
New Relic.
snyk
bugsnag
Nagios
splunk>
LOGGLY
ZABBIX
RAYGUN
SENTRY
DATADOG
bigpanda
dynatrace
Rollbar
APPDYNAMICS
[:]SourceClear
LogicMonitor
salesforce
SAUCELABS
servicenow
TestFairy
FitNesse
runnable
zendesk
Jasmine
node
INTERCOM
ZOHO CRM
cucumber
Instabug
ZEPHYR
BrowserStack
freshdesk
QMETRY
QASymphony
OMNIDESK
Se
MOCHA
SUBVERSION

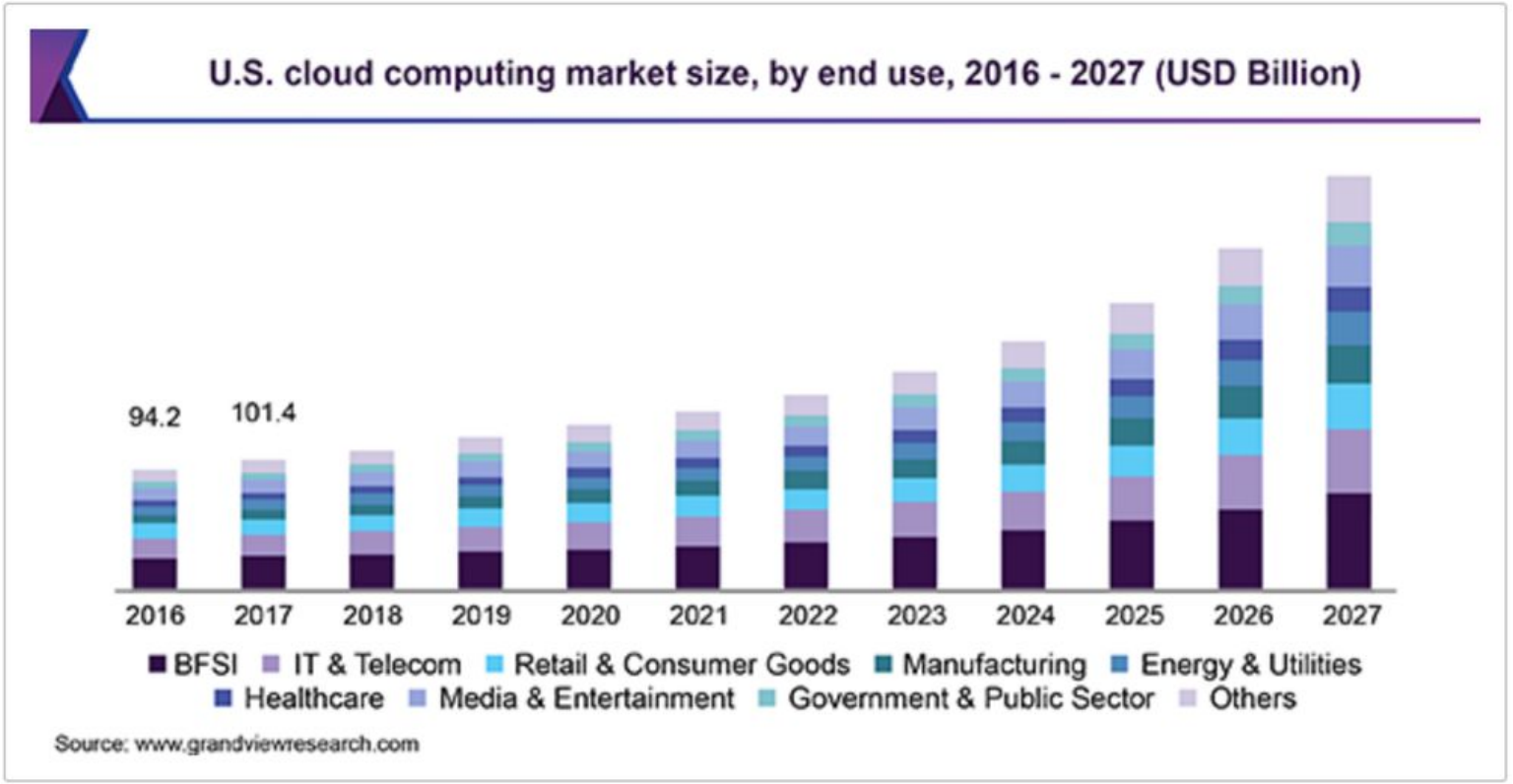
Benefits of DevOps and CI/CD



Future trends

Artificial intelligence

Cloud computing & automation



Cloud will keep growing and flowing

Thank you

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