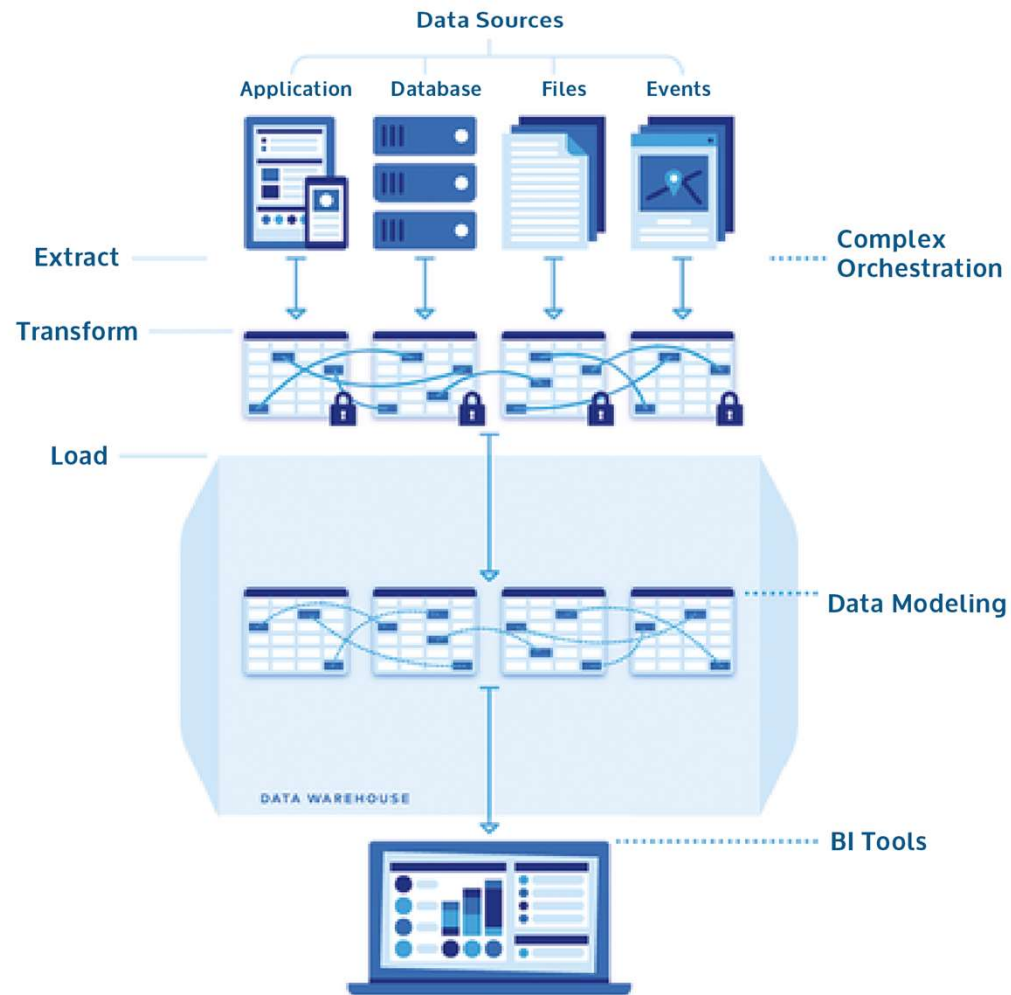
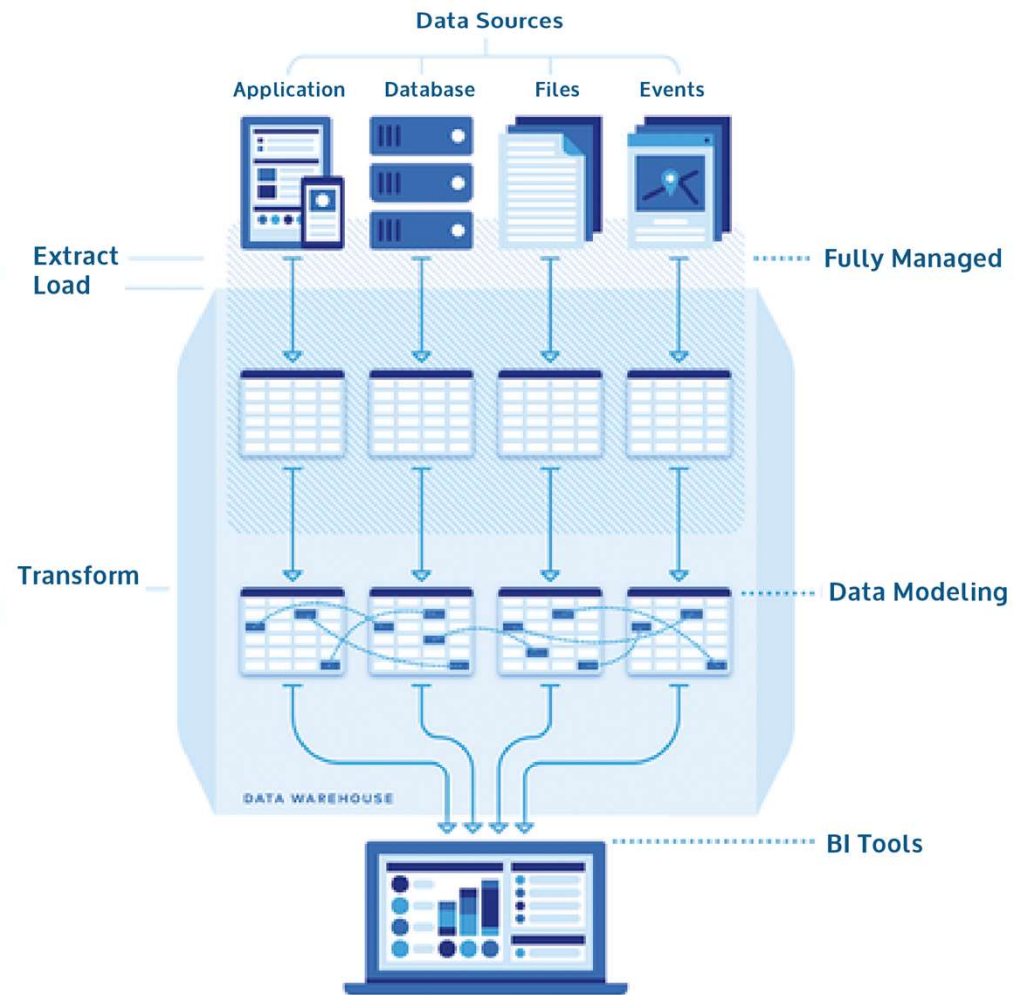


ETL	VS	ELT
Stands for Extract, Transform and Load		Stands for Extract, Load and Transform
Loads data first into the staging server and then into target system		Loads data directly into the target system
ETL can perform sophisticated data transformation		ELT perform leverages the data warehouse to do basic transformations
Needs to wait for transformation to complete		Data loading happens faster because there's no waiting for transformations

Outdated ETL



Modern ELT



Internal Data Integration

100+ Data Sources
SaaS, On-prem, CRM



Xplenty
Compliance & regulatory controls



Destinations
Databases and SFTP



Data Visualization Tools



XENONSTACK



GRID				CHART				REPORT				BACK			
Date.Fiscal [FY 2009, FY 2010, FY 2011, FY 2012]				Occupation [Clerical, Management, Professional, Skilled Manual]				Drop Filters Here				Drop Measures Here			
Internet Sales Amount				Drop Measures Here											
Country		State-Province		Category		Subcategory		Internet Sales Amount		Internet Sales Amount		Internet Sales Amount			
				Accessories		Bikes									
						Mountain Bikes									
Australia															
Canada		Alberta													
		British Columbia													
		Ontario													
		Total													
France															
Germany															
United Kingdom															
United States		Alabama													
		Arizona													
		California													
		Florida													
		Georgia													
		Illinois													
		Kentucky													
		Massachusetts													
		Missouri													
		Montana													
		New York													
		North Carolina													
		Ohio													
		Oregon													
		Texas													
		Utah													
		Washington													
		Wyoming													
		Total													
Total															

Europe Sales

Markets seem to have taken events in their stride, however, with investor confidence remaining strong. Many indices have reached or neared all-time highs during the last six months, despite signs of weakening growth in some economies.

Europe - Promotion Sales



Sales Overall



Month of the Year - Occupation - 2 measures



Production Last Year



Bikes Sales in Australia



Contoso - Product Class



Tile 9

KPI	Actual	Target	Trend	KPI vs Target
Average Operative Costs	\$159.00	222		
Last Months - Bikes sales	\$76,173.78	111,100		
Product Models Performance	\$25,819.24	110,000		
Sales by Month	\$20,934.78	21,111		
Sales Last Change	\$171,621.37	820,000		
Sales Overall	\$378,297.67	520,000		

CLOUD GIANTS

Global Market Share at the End of the Fourth Quarter


34%

Amazon Web Services


13%

Microsoft Azure


8%

IBM Cloud


6%

Google Cloud Platform


4%

Alibaba Cloud

as of Q1 2020



Google Cloud



Amazon AWS



Microsoft Azure

Market Share

6%

32%

18%

PROs

- Open source support and portability
- Doesn't require pre-warming
- Straightforward interface
- Discounts, flexible contracts

- Extensive, mature offering
- Scalability, flexibility
- Support cost may skyrocket
- Global reach

- Offers significant discounts
- Integration with MS tools
- Opensource support
- Hybrid cloud
- Highest compliance standards over all providers

CONS

- Less data centers over the world
- Fewer services and features

- Difficult to use
- Support cost may skyrocket
- Cost management
- Overwhelming options

- Steep learning curve for none-regular MS users
- Complex pricing system

Pricing

Per minute (minimum 10 minutes)

Per hour

Per minute

Certification

Associate
Cloud Engineer

Professional
Data Engineer
Cloud Architect
Cloud Developer
Cloud Network Engineer
Cloud Security Engineer
Collaboration Engineer
Cloud DevOps Engineer

G Suite

Foundamentals
Cloud Practitioner

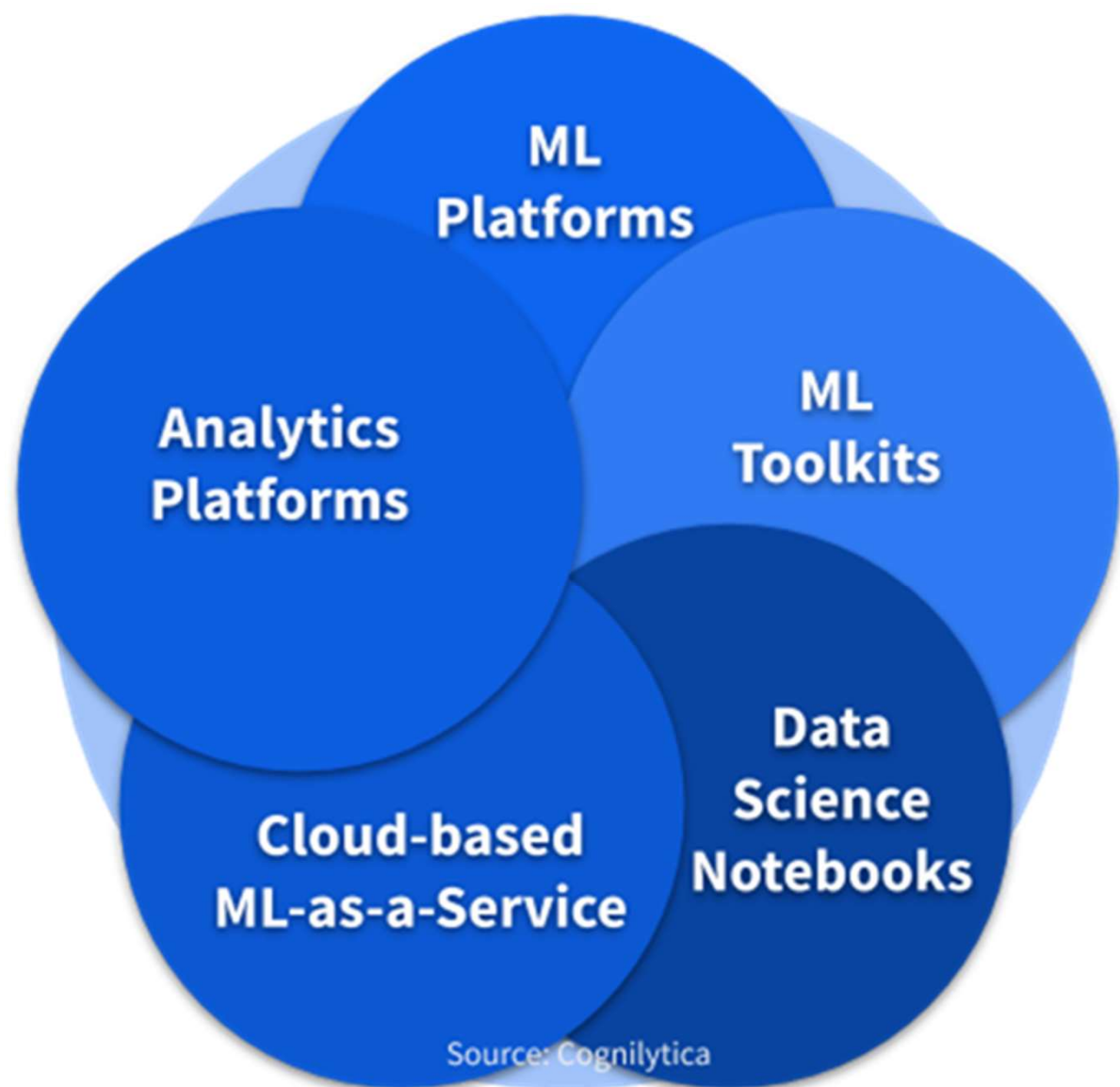
Associate
Solutions Architect
SysOps Administrator
Developer
Professional
Solutions Architect
DevOps Engineer
Cloud Architect

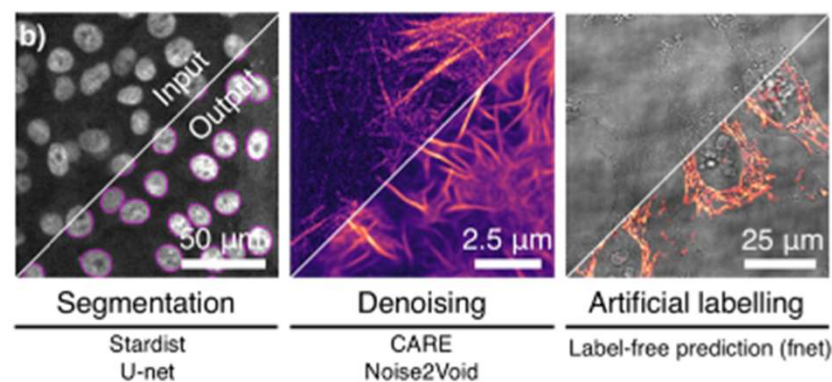
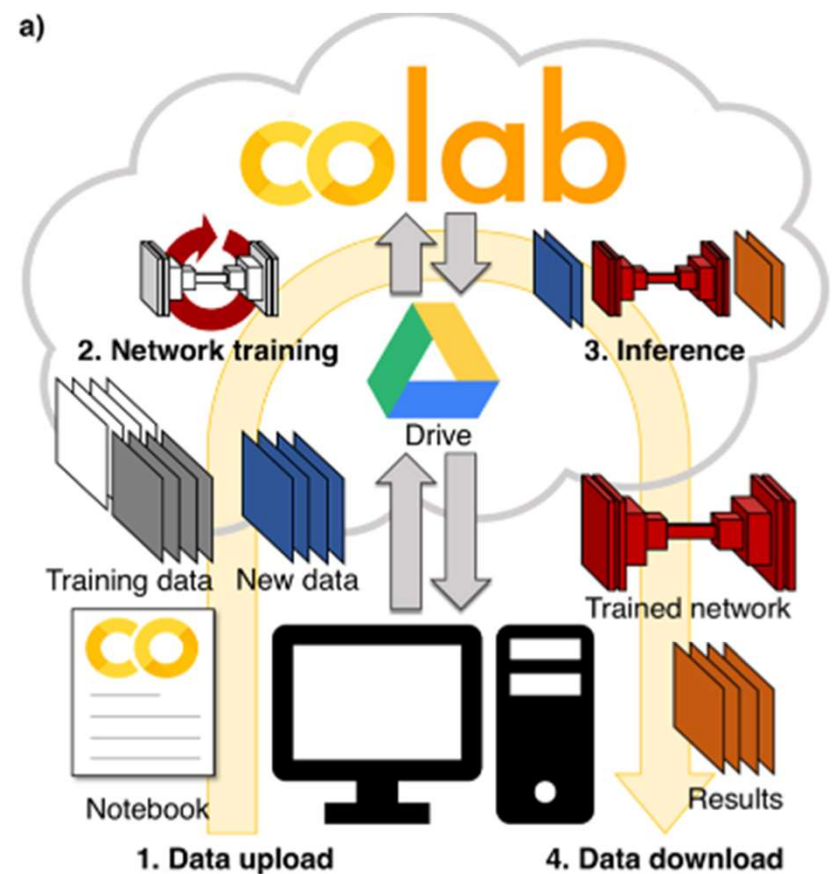
Specialty
Advanced Networking
Big Data
Security
Machine Learning
Alexa Skill Builder

Foundamentals
AI Fundamentals
Data Fundamentals
Fundamentals

Associate
Data Scientist
Administrator
Developer
Data Engineer
Security Engineer
Database Administrator
AI Engineer
IoT Developer

Expert
Solutions Architect Expert
SAP Workloads Specialty
DevOps Engineer Expert



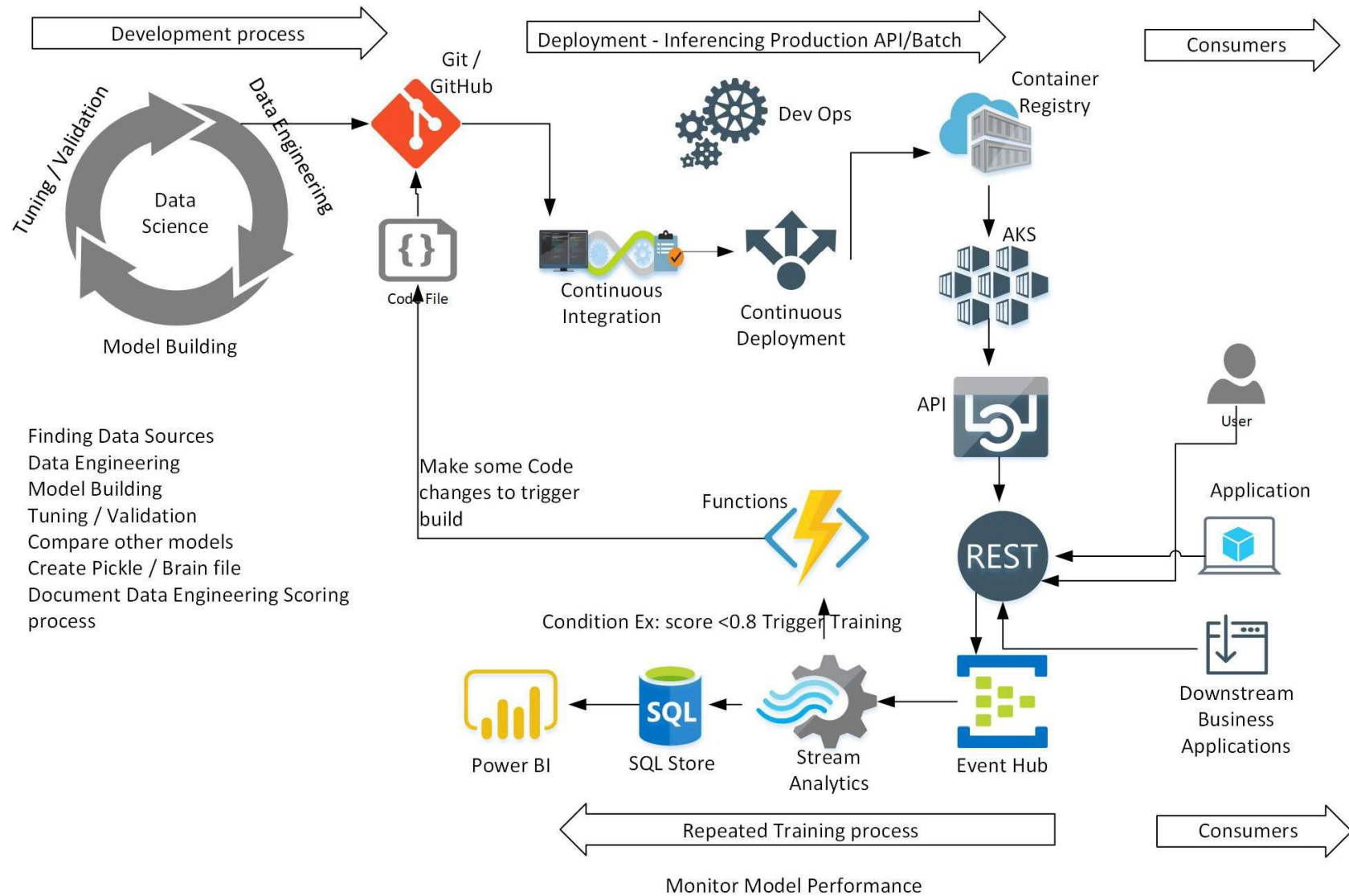


ML Serving

A cloud based tool
to deploy Machine Learning



Machine Learning deployment and re-training deployment with CI/CD using Azure DevOps

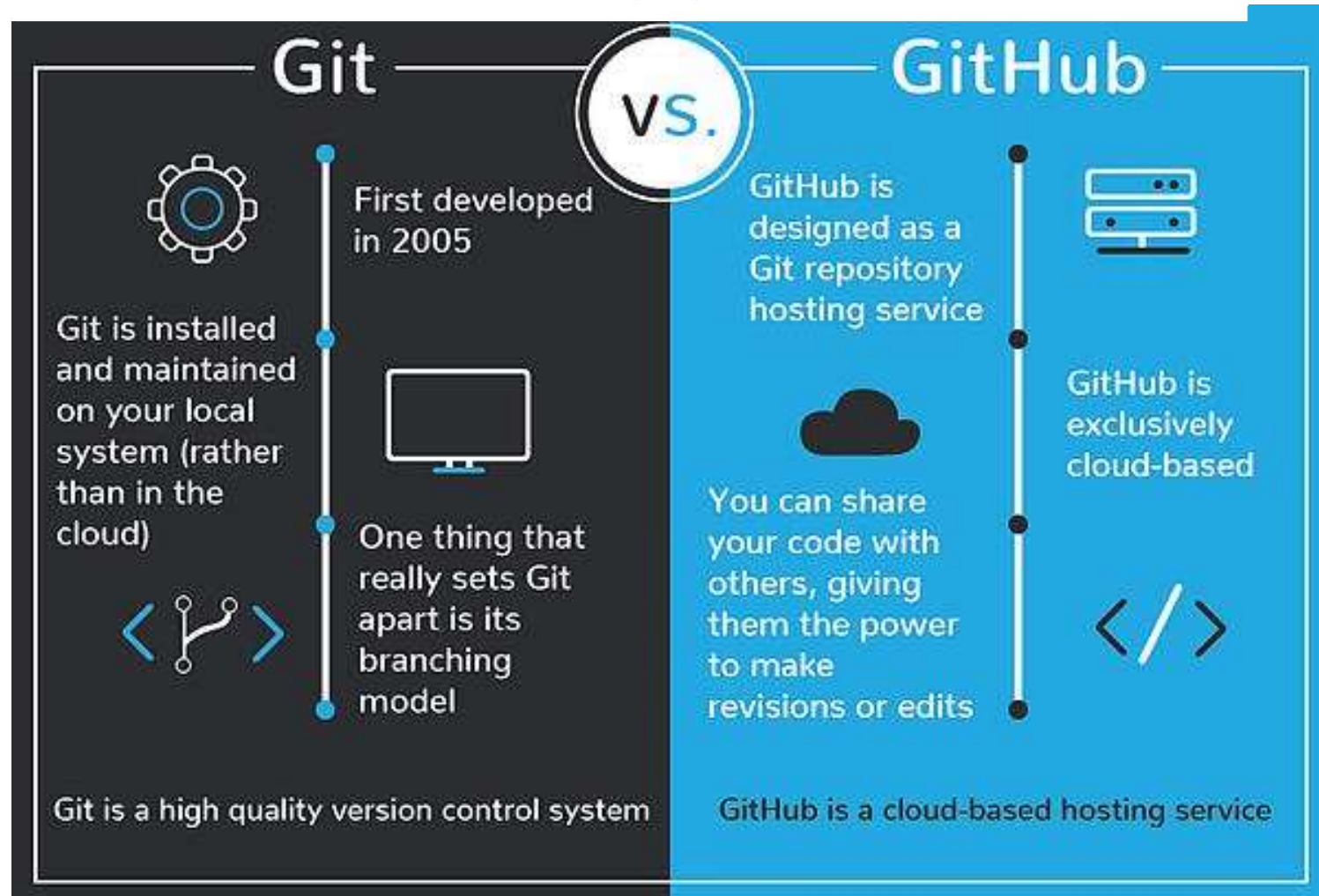


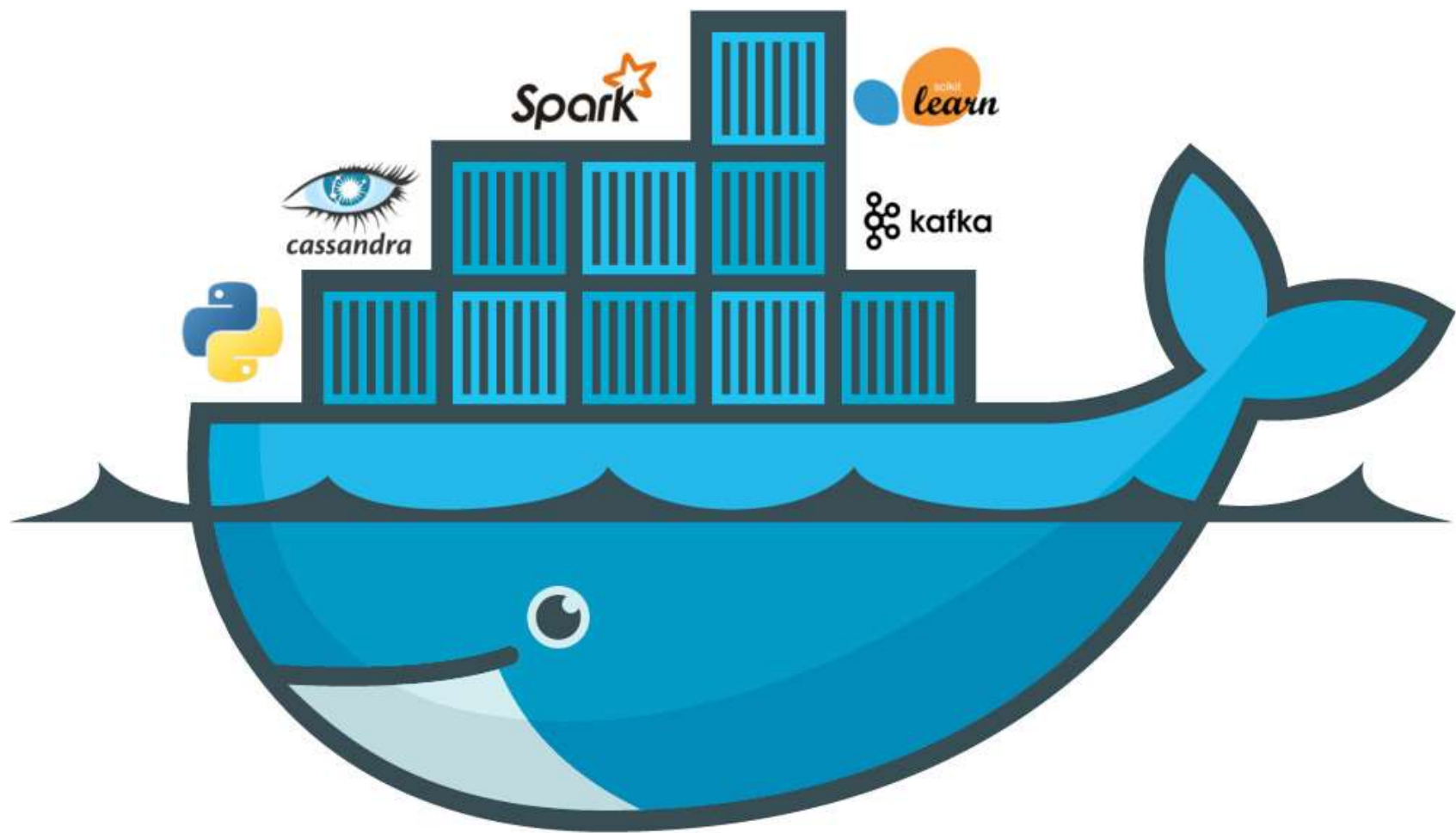


git



GitHub





What is it?

Why use it?

Build - Ship - Run

- Reproducible development environment
- Same container in dev, test and prod

