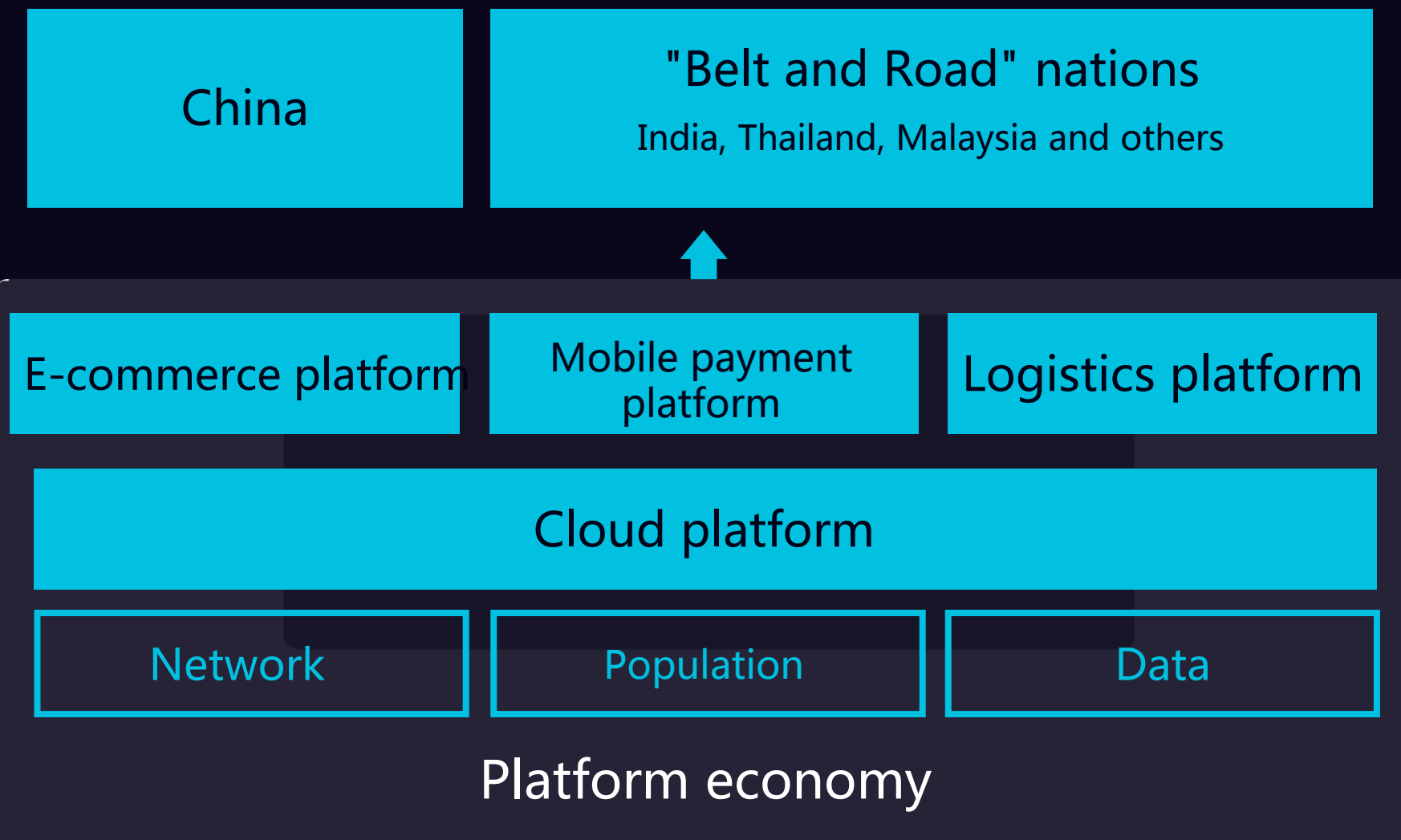


# Alibaba Inside : Technology innovation behind Alibaba's eco system

- Ben Tian
- Director, Alibaba Cloud Research Center

# "Platform model " behind Digital Economy



+

India **paytm**

230 million

# Alibaba eco-system

CORE COMMERCE

MOBILE MEDIA & ENTERTAINMENT

LOCAL SERVICES

淘宝网  
Taobao.com

天猫  
TMALL.COM

聚划算  
juhuasuan.com

Alibaba.com

阿里巴巴  
1688.com

魅力惠  
MEI.COM

AliExpress

TMALL GLOBAL

LAZADA  
Effortless Shopping

YOUKU 优酷

土豆网  
tudou.com

TMALL TV  
OTT

magic leap

UC Browser

阿里音乐  
Alibaba Music

阿里体育  
Alisports.com

阿里巴巴·影业集团  
Alibaba·Pictures



Tickets



飞猪



口碑  
koubei

ele.me  
饿了么 网上订餐

支付宝  
ALIPAY



PAYMENT & FINANCIAL  
SERVICE

CAINIAO 菜鸟网络

LOGISTICS

阿里妈妈  
Alimama.com

MARKETING SERVICE

Alibaba Cloud  
aliyun.com

CLOUD COMPUTING

DATA-DRIVEN

DATA-DRIVEN

# Alibaba : Leading in Technology

1. 20000 Engineers in Alibaba Group , 500+ PHD

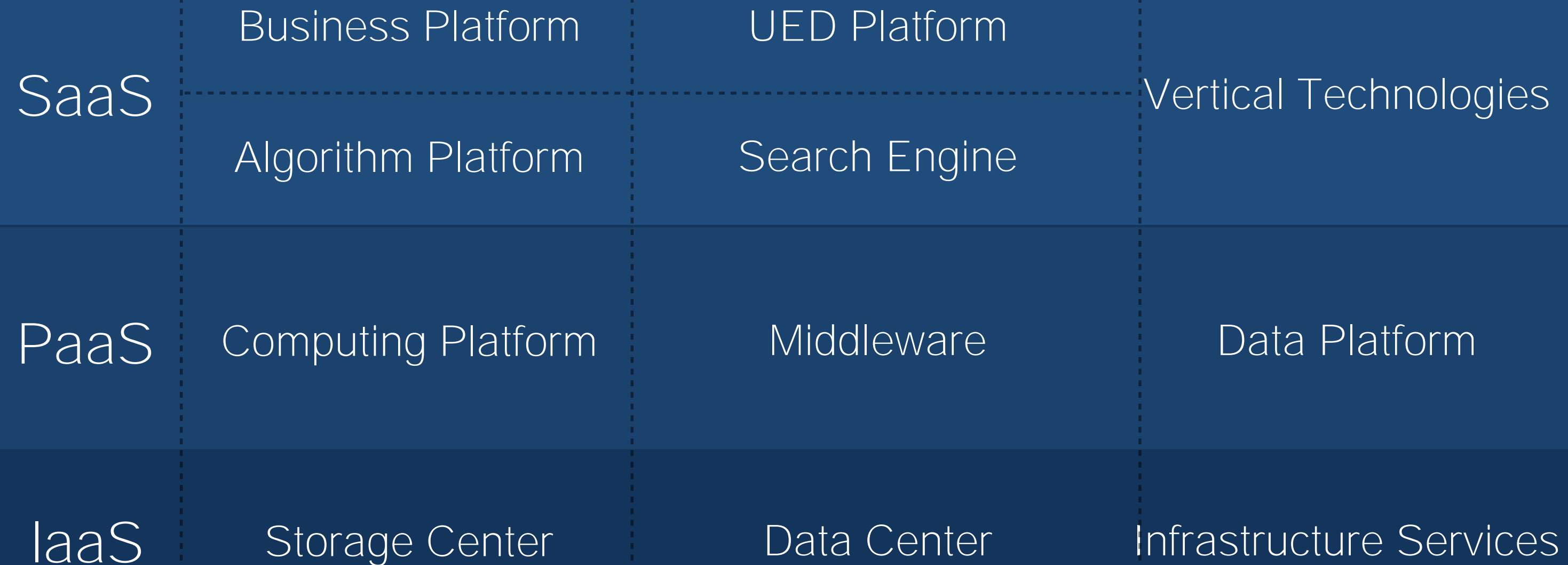
2. R&D Investment ranks 3<sup>rd</sup> in China

3. Alibaba Cloud: Ranks 3<sup>rd</sup> in Global Market

5. YunOS as 3<sup>rd</sup> Mobile OS , over 160M users

6. Aspara 5K、 OceanBase Database in 11.11

# Alibaba: Technology Platform





# Alibaba Economy Is A World-leading Use Case for AI



Data



Computing



Algorithm



# Case studies for Data Intelligence



507 million Mobile MAUs\*

Recommendation · Search · Marketing · Merchants



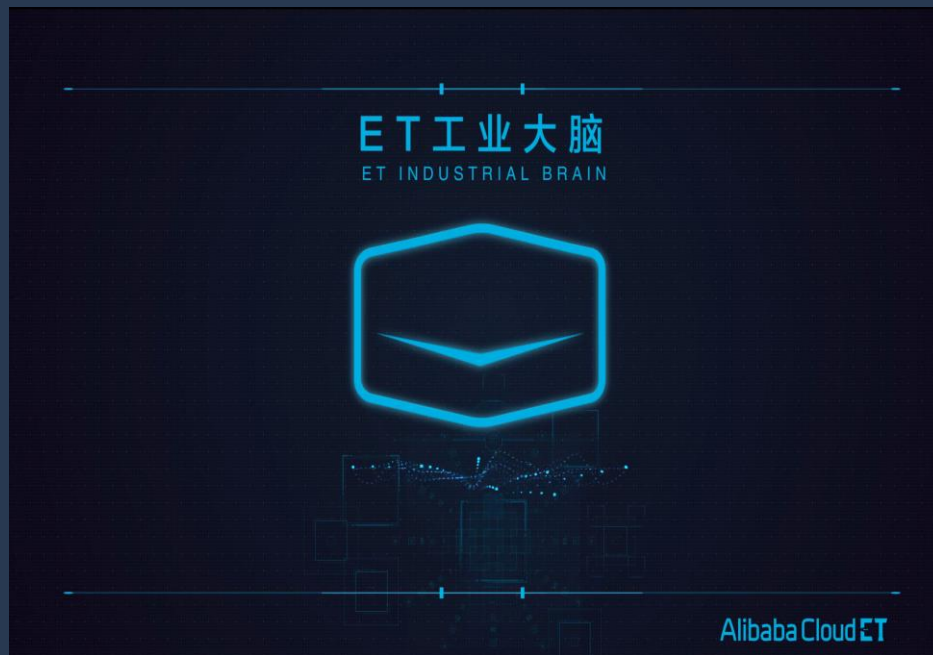
+1 Billion Listings



我还以为你用你那聪明的头脑洗清白



# IoT Cloud-based Integration Services



“Industry Brain”



Intelligent City



Intelligent Life

Cloud-based IoT Platform

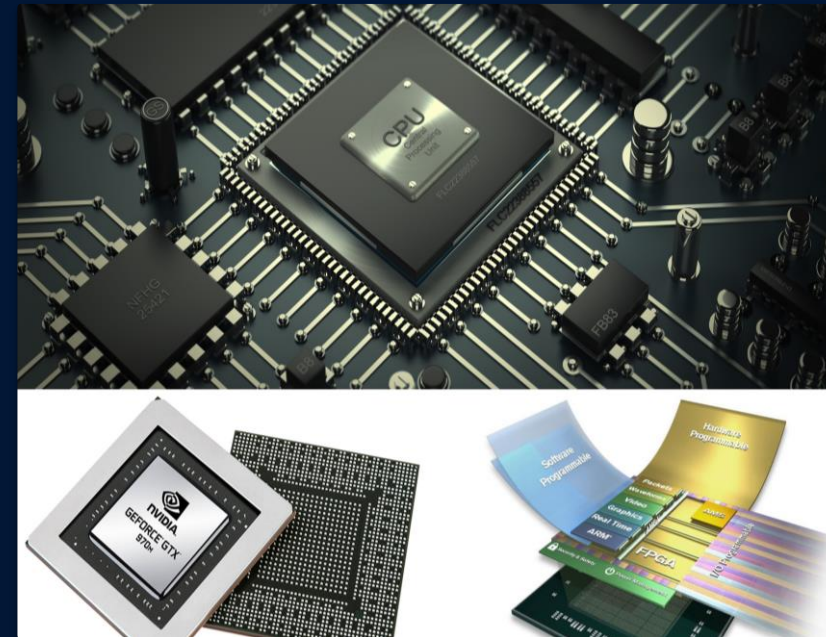


# AI -Infrastructure

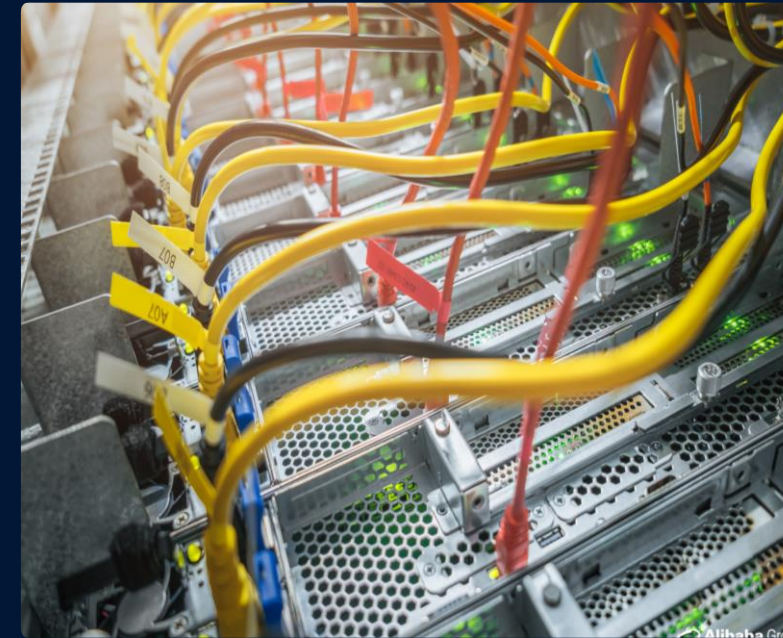
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Green Data center



Tailor Chip



Cloud OS



Alirack



# Alibaba Cloud

## World Leading Public Cloud Provider

Table 1. IaaS Public Cloud Service Market Share, 2015-2016 (Millions of U.S. Dollars)

Vendor	Revenue 2015	Revenue 2016	Market Share 2015	Market Share 2016	Annual Growth Rate 2016
Amazon	6,698	9,775	39.8%	44.2%	45.9%
Microsoft	980	1,579	5.8%	7.1%	61.1%
Alibaba	298	675	1.8%	3.0%	126.5%
Google	250	500	1.5%	2.3%	100.0%
Rackspace	461	484	2.7%	2.2%	5.0%
IBM	200	300	1.2%	1.4%	50.0%
NTT Communications	179	224	1.1%	1.0%	25.1%
Virtustream	100	205	0.6%	0.9%	104.9%
Fujitsu	120	163	0.7%	0.7%	35.8%
Dimension Data	110	120	0.7%	0.5%	9.1%
Other Vendors	7,465	8,135	44.3%	36.7%	9.0%
<b>Total</b>	<b>16,861</b>	<b>22,160</b>	<b>100.0%</b>	<b>100.0%</b>	<b>31.4%</b>

Note: Percentages may not add up to 100% because of rounding. Alibaba's 2015-2016 revenue has been adjusted from estimates previously published in "Market Share: IT Services, 2016."

Source: Gartner (September 2017)

Table 2 lists the top 10 PaaS providers for 2015 and 2016 by revenue, estimated market share and AGR in U.S. dollars.



**>1million**  
Paying Customers



**17**  
Regions Globally



**26**  
Data Center Cross World



**186**  
Cloud Solutions



**600**  
Access Points worldwide



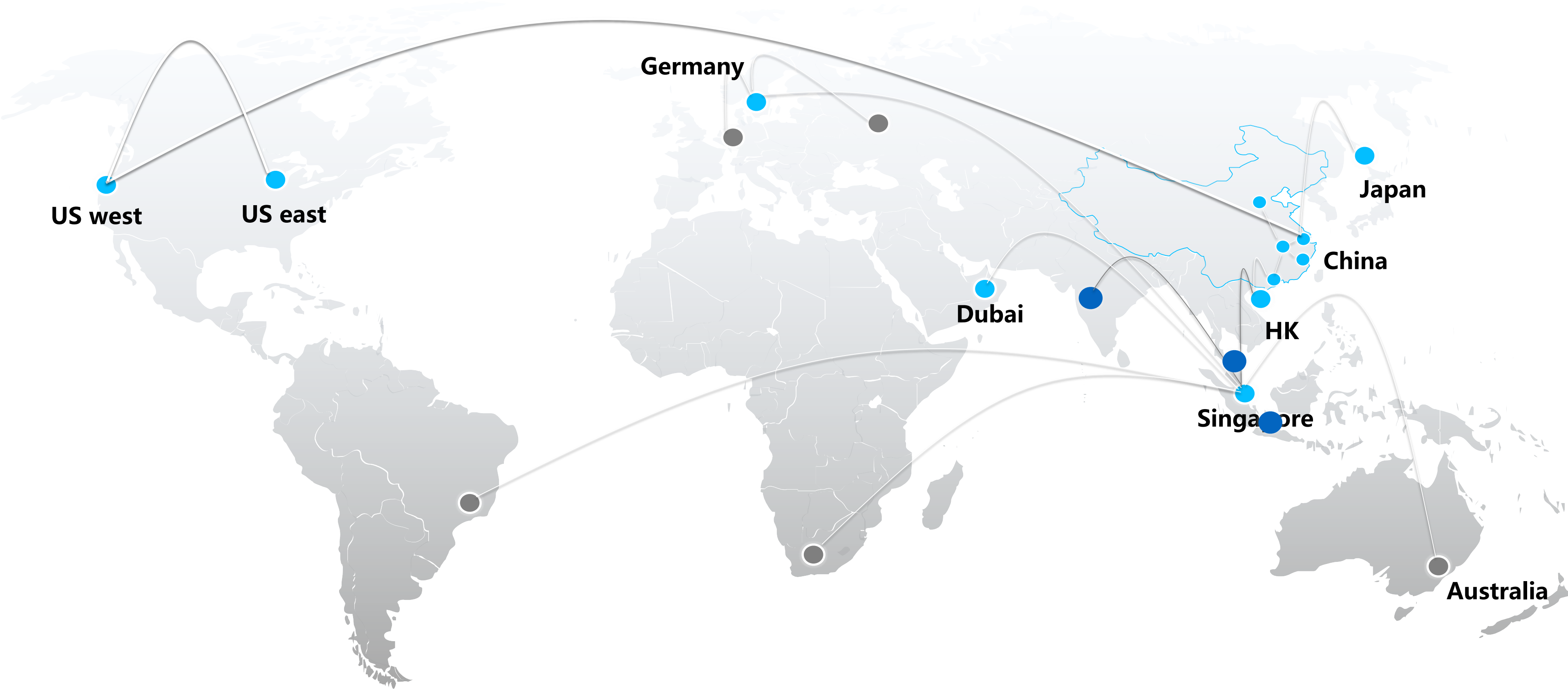
**40.7%**  
China Market Share

**1/3**  
Over one-third of China's  
Top 500 Companies are  
on Alibaba Cloud



**3rd**  
Alibaba Cloud Ranks 3rd In  
The World By Revenue

# Connecting the World







The Academy for **D**iscovery, **A**dventure, **M**omentum and **O**utlook

DAMO Asia

DAMO US

DAMO Europe

浙江大学-阿里巴巴  
前沿技术联合研究中心

RISELab  
( UC Berkeley )

中国科学院-阿里巴巴  
量子计算实验室

清华大学-蚂蚁金服  
数字金融科技联合实验室

阿里巴巴  
创新研究计划

# Global Industry-Academia Collaboration



- 13 Region
- 99 Universitis
- 234 R&D Team

# THANKS

Ben Tian

Director, Alibaba Cloud Research Center

Ben.tf@alibaba-inc.com , 13911599641