

Alibaba Cloud for Financial Services

Made by the Industry, for the Industry

ALIBABA CLOUD FOR FINANCIAL SERVICES OVERVIEW

Alibaba Cloud is the technology and intelligence backbone of Alibaba Group, and it is responsible for the commercialisation of our digital capabilities for all Alibaba Group businesses. It offers a complete set of cloud services to customers worldwide, including elastic computing, database, storage, network virtualization services, large-scale computing, security, management and application services, data analytics, a machine learning platform, and IoT services.

Utilising these capabilities, alongside extensive financial industry experience, we have built a comprehensive suite of cloud-native financial products and solutions that are road tested within the Alibaba financial services business before they are made available to the public.

Financial Services Industry Solutions Foundation

Regulatory Compliance

Adaptability to Regulatory Requirements

Security and Privacy

Preserving Customer Trust

Network Availability and Latency

The Highest Assurance

Scalability and Reliability

A Platform for Growth

Disaster Recovery and Backup

Business Continuity

The Alibaba Cloud Industry Solutions Building Blocks

OUR FINANCIAL SOLUTION ROADMAP

Alibaba Cloud introduces the Financial Digital-native solutions, solving industry challenges while keeping up with trends.

DIGITAL ONBOARDING AND SERVICING

Solutions for Digital Channel & Marketing Team



Know Your Customer



Mobile First



eWallet



Sales and Service



Collaboration Suite



Customer Notification

AGILITY AT THE CORE

Solutions for Application Development Team



Cloud-Native App Management
CloudOps, DevOps, SecOps, AI/ops, FinOps



Financial Distributed Application
Architecture and Middleware



Serverless Application



Cloud-Native Database

TRUSTED INSIGHT-DRIVEN DECISION MAKING

Solutions for Data Analytics and Engineering, and Risk Management Team



Stock Market Data



Privacy-Preserving



Data Visualization



Digital Engagement and Operations



Lending and Credit Management



Data Analytics Platform



AI and Machine Learning



Blockchain Cloud Services

ROBUST AND ELASTIC INFRASTRUCTURE

Solutions for Cloud and IT Team



Compute



Network



Storage

- ✓ High Availability
- ✓ Global Network

- ✓ Landing Zone
- ✓ Cloud Migration
- ✓ Smart Hosting



Public Cloud



Hybrid Cloud



Private Cloud

SECURE AND COMPLIANT FOUNDATION

Solutions for Security, Technology Risk, and Compliance Team



End-to-End Security



Security Compliance



ESG and Sustainability

Digital Onboarding and Servicing

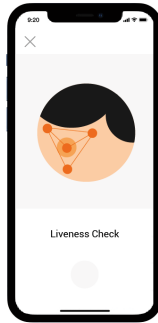
Solutions for Digital Channel & Marketing Team

ZOLOZ - A Digital and Remote Online Solution for eKYC

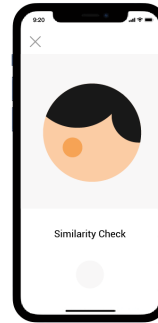
ZOLOZ Real ID adheres to the international information security standards: ISO27001 and PCI-DSS. The liveness technology meets **the ISO-30107-3 level 2 standard**.



Verify the ID authenticity and extract the information via OCR



Use liveness detection during verification



Compare the ID photo with the submitted photo for the similarities



Provide verification results

ZOLOZ Certifications & Recognitions



ISO Information Security



ISO Presentation Attack Detection



Payment Card Industry Information Security Certification



Standard for Mobile Identity Technology (ISO TC68)



SOC 2 Type II Report (Hong Kong (China) Node)

Alibaba Mobile Platform as a Service - The Mobile-first Cloud-native Platform

Alibaba Mobile Platform as a Service provides one-stop solution for mobile app lifecycle management including app development, testing and operations. Alibaba Mobile Platform as a Service helps organizations build reliable and high-performance apps with accelerated iteration while reducing costs.



Optimization



Mobile Analytics Service



Content Delivery Platform



Mobile Deployment Service

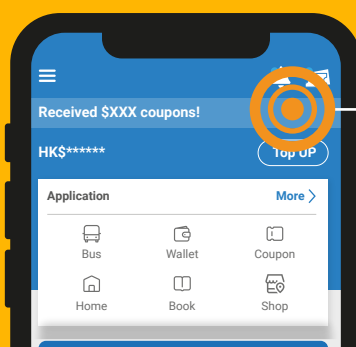


Dedicated Security & DR

Mobile Marketing - Enrich customer profile through mobile analytics

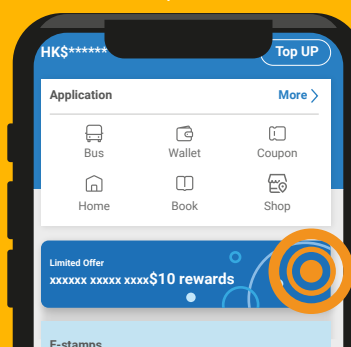
Mobile App User

Targeted In-app Notification
Push Notification

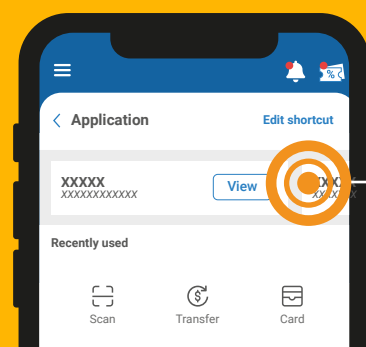


Customer Insight

Received \$XXX coupons!



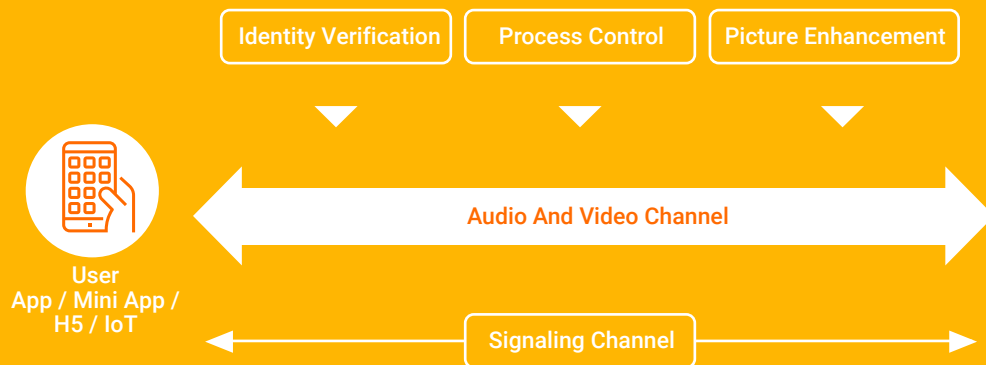
Content Delivery
Target Ads



Video Sales and Service Center

Financial Intelligence

The Video Sales and Service Center has become an innovative business engagement point in the context of the epidemic.



Premium DingTalk for Collaboration Suite

DingTalk Hot Functions



Video Conference



DING Notification
Alert



To-do List



Multi-group
Live Broadcast



Smart Assistant



Application Center

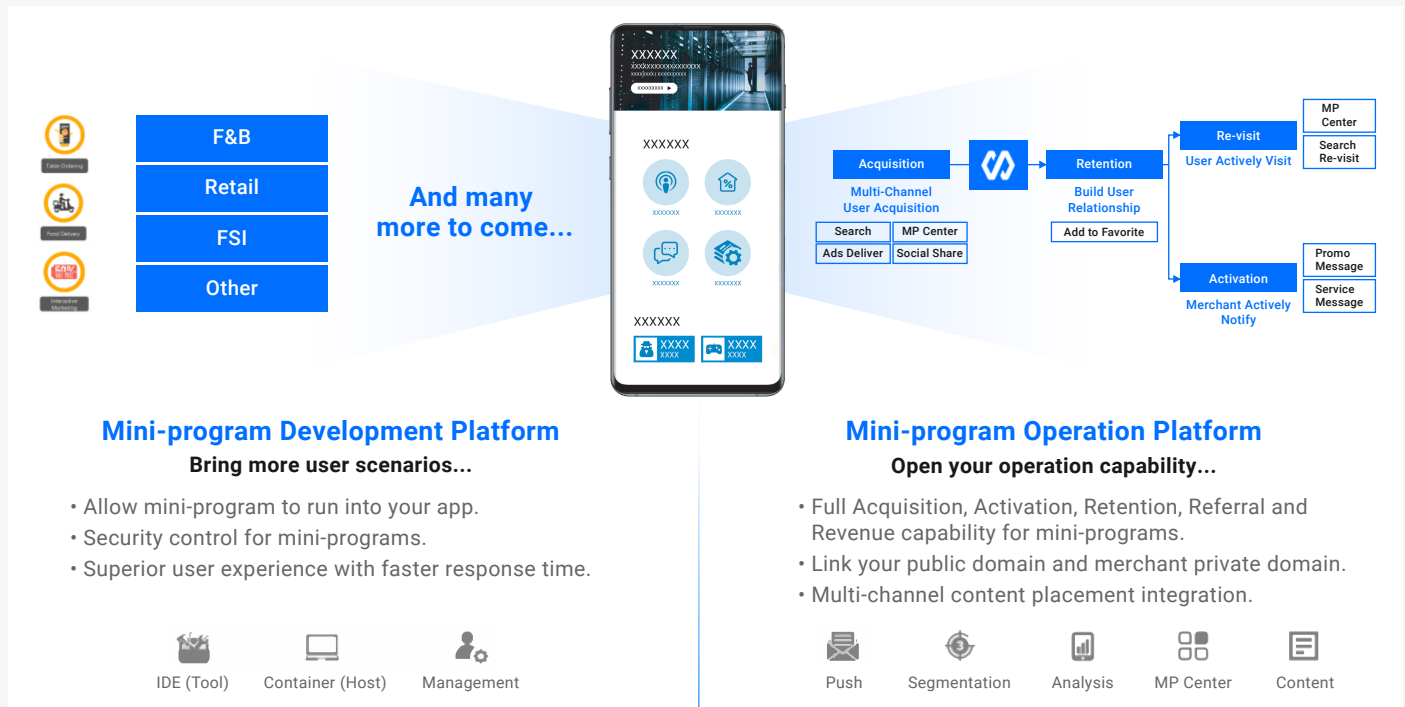


Premium DingTalk - Dedicated Security

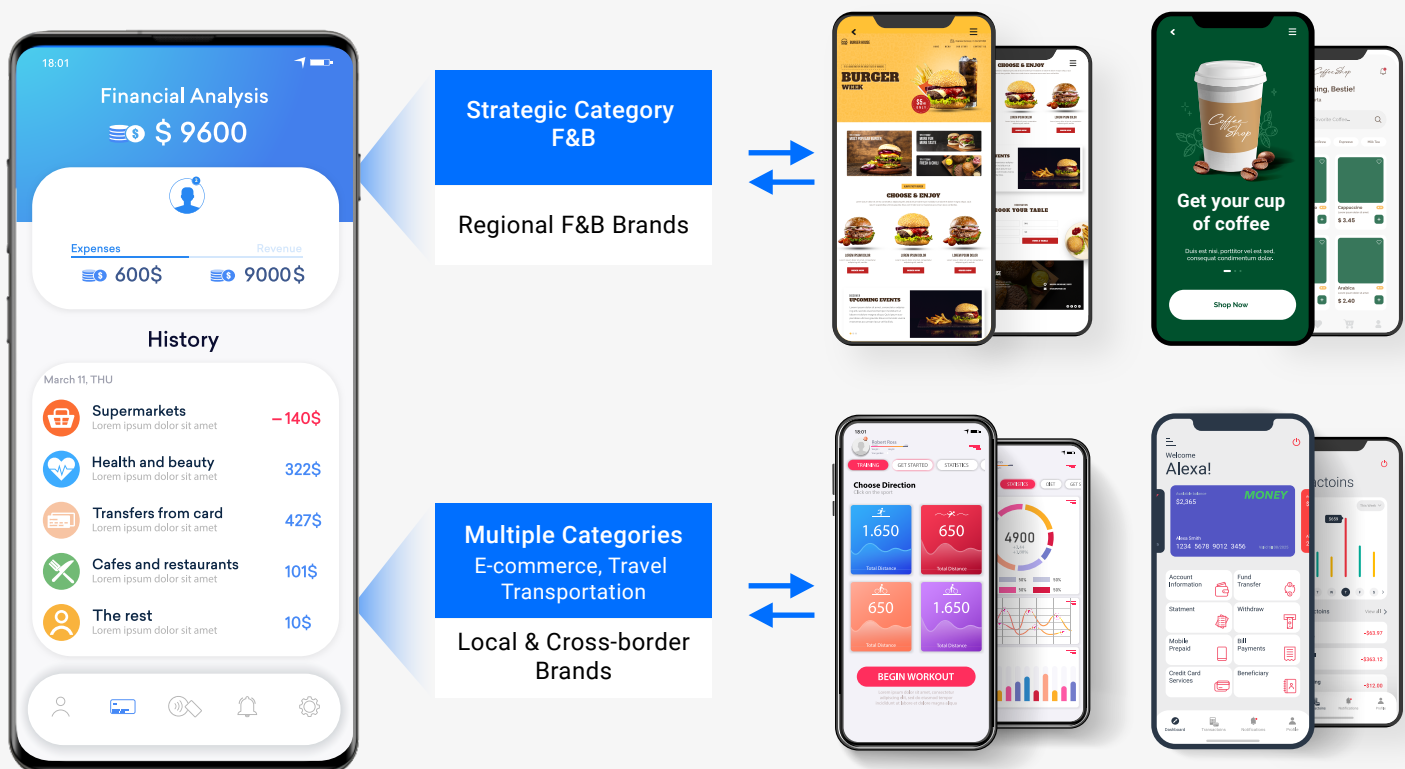
Mini-program Platform

Easily create your mini-program, and create your business ecosystem with our mini-program platform across F&B, retail and other industries.

Introduction to Mini-program Platform Products



We Have Many Merchants Mini-programs Ready for You to Tap Across Selective Regions; You are Not in a Cold Start



EMAS Mobile Quality Centre: Mobile Testing

With the rapid development of mobile digital channel and fast changing business requirements with version iteration, traditional manual testing is no longer sustainable to ensure testing efficiency and quality.

MQC provides the perfect solution with cloud based mobile test lab **with more than 200+ real mobile devices** and expert services to support best in class testing.

Product Highlights



Self-service Testing

Abundant popular real mobile devices are available online, and multiple devices can be tested simultaneously.



Expert Testing

Provide fully commissioned customized testing services and comprehensive test reports within 48 hours after the requirements are confirmed.



Automated Testing

Support online test procedure recording and automatically generate test scripts.













Device

Test Reports

Search by brand and model

Show Filter

Remaining Free Trial Period:30:00 Remaining Resource Plan Period:00:00

<div>huawei – ANA-NX9 (P40 5G)</div> <div>Idle</div> <div><div>Resolution:1080x2340 System Version:10 Device Class:Unknown</div><div>Use Now</div></div>	<div>HTC – htc desire 21 pro</div> <div>Idle</div> <div><div>Resolution:1920x1080 System Version:10 Device Class:Unknown</div><div>Use Now</div></div>	<div>Apple – iPhone 7</div> <div>Idle</div> <div><div>Resolution:750x1334 System Version:15.5 Device Class:Unknown</div><div>Use Now</div></div>	<div>Sony – 701SO (XPERIA XZ1)</div> <div>Idle</div> <div><div>Resolution:1080x1920 System Version:9 Device Class:Unknown</div><div>Use Now</div></div>
<div>docomo – SO-04J (XPERIA XZ)</div> <div>Idle</div> <div><div>Resolution:1080x1920 System Version:9 Device Class:Unknown</div><div>Use Now</div></div>	<div>Sony – 702SO (XPERIA XZ2)</div> <div>Idle</div> <div><div>Resolution:1080x2160 System Version:9 Device Class:Unknown</div><div>Use Now</div></div>	<div>KDDI – SOV40 (XPERIA 1)</div> <div>Idle</div> <div><div>Resolution:1096x2560 System Version:11 Device Class:Unknown</div><div>Use Now</div></div>	<div>Xiaomi – MI 10</div> <div>Idle</div> <div><div>Resolution:1080x2340 System Version:10 Device Class:Unknown</div><div>Use Now</div></div>
<div>OPPO – CPH1911 (F11)</div> <div>Idle</div> <div><div>Resolution:1080x2340 System Version:10 Device Class:Unknown</div><div>Use Now</div></div>	<div>KDDI – SHV41 (AQUOS R)</div> <div>Idle</div> <div><div>Resolution:1080x2032 System Version:9 Device Class:Unknown</div><div>Use Now</div></div>	<div>OPPO – CPH2197 (A74)</div> <div>Idle</div> <div><div>Resolution:1080x2400 System Version:11 Device Class:Unknown</div><div>Use Now</div></div>	<div>samsung – SM-A716S (A71)</div> <div>Idle</div> <div><div>Resolution:1080x2400 System Version:10 Device Class:Unknown</div><div>Use Now</div></div>

Agility at the Core

Solutions for Application Development Team

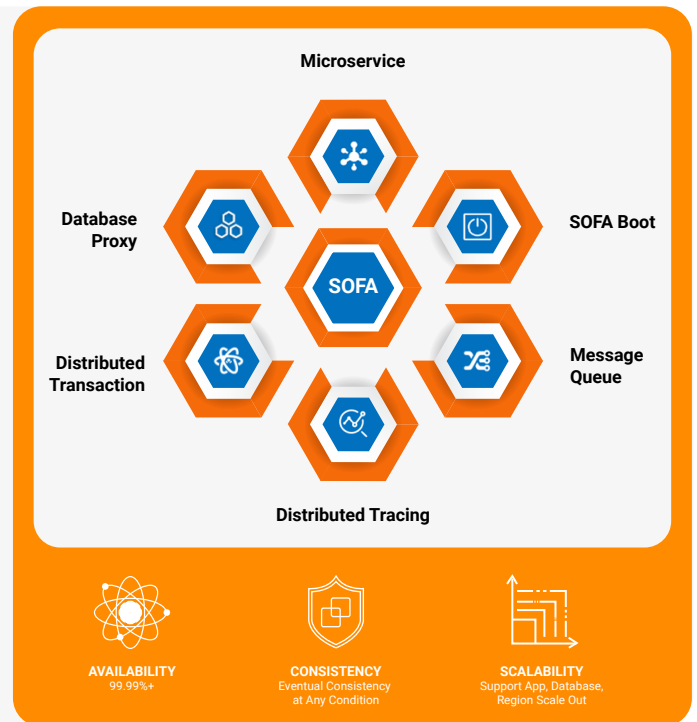
SOFAStack: Financial Distributed Application Architecture and Middleware

Help Financial Enterprises Adopt Cloud-native Technologies

A one-stop, cloud-native platform that allows financial enterprises to develop and maintain highly available applications that use a distributed architecture.



The Total Economic Impact of SOFAStack™ by Forrester Consulting



Distributed Database

PolarDB-X

A distributed relational database service, designed for challenges of ultra-high concurrency, massive data storage, and large table performance bottlenecks

Strong Consistency

- MVCC with TSO to ensure consistency
- RPO=0

High Performance

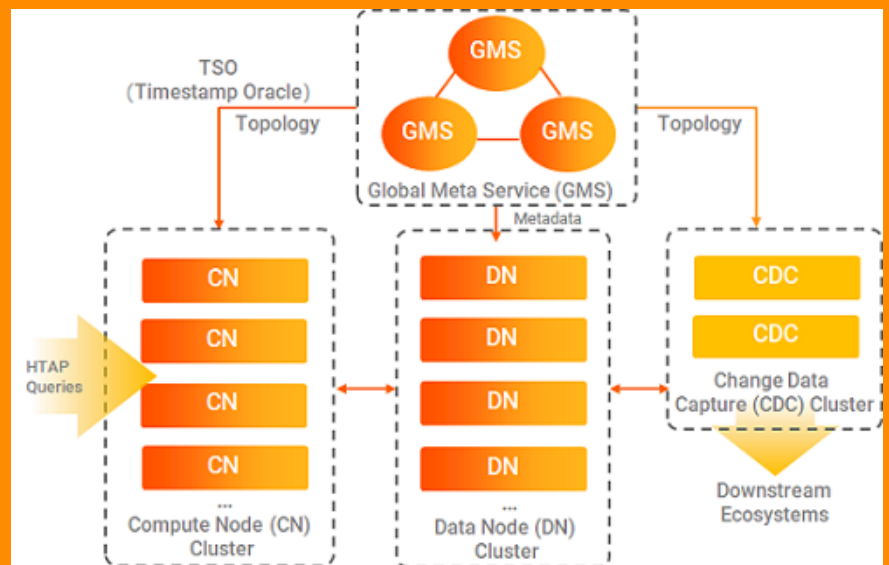
- Up to 40% performance improvement
- Fast data access and low latency over private RPC

Easy Operation & Maintenance

- Automatic load balancer for all requests
- Convenient incremental data subscription

Smooth User Experience

- One-Click instance launch
- Easy configuration for adding RO nodes



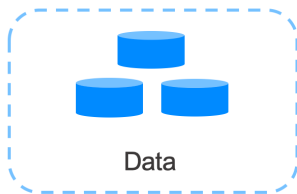
Trusted Insight-driven Decision Making

Solutions for Data Analytics and Engineering, and Risk Management Team

Privacy-preserving Computing

Privacy-preserving Computation Promotes Efficient and Controlled Data Circulation

Protect the Security and Privacy of **Raw Data**

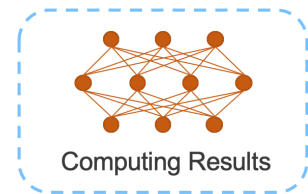


Compliance in Data Use

COMPUTING

Privacy Protection
During Computing

Protect the Privacy of **Computing Results**



Privacy Protection During the
Release of the Computing Results

The Goal of Privacy-preserving Computation is to Bring Out the Value of Data by Integrating and Sharing Data While Protecting Personal Privacy and Data Security.

Blockchain Cloud Services

BaaS provides secure, stable, easy-to-use, and open blockchain cloud services to build an Internet featuring mutual trust and efficient collaboration.

Why BaaS?



Ease of Deployment

- Flexible public cloud or on premise deployment
- Support Cross-chain interoperability and multi-cloud deployment
- Support Ant Chain, Hyperledger Fabric and Ethereum Quorum (Beta)



Security Service

- Provide CA certificate service
- Create a multi-dimensional Blockchain security system



Monitoring

- Monitor the Blockchain state in real time and give automatic alerts
- Quality assurance with committed Service Level Agreement (SLA)



Recognition

- Number 1 in Blockchain patents in the world since 2017
- APAC's 1st and World's 2nd Hyperledger Fabric Certified Service Provider

CloudQuotation: Real-time Trade Data Manager

CloudQuotation provides your global customers with a quotation service that establishes stable, high-quality connections to exchanges all around the world at ultra-low latency. It provides a unified standard interface for customers to access the quotation services of various exchanges, along with the required security measures.



Stock Exchange



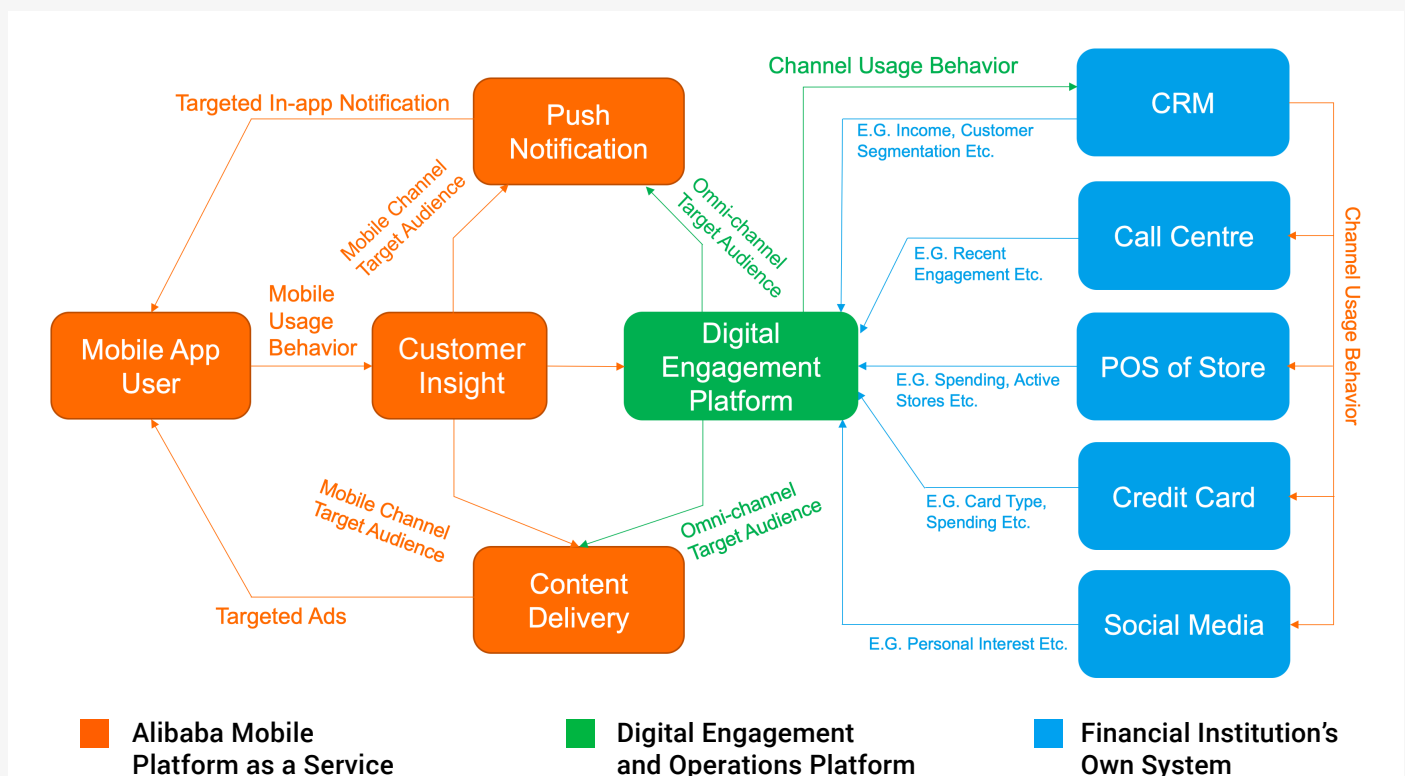
Cloud Quotation



Financial Institutions

Digital Engagement and Operations Platform

Enrich Customer Digital Channel Engagement

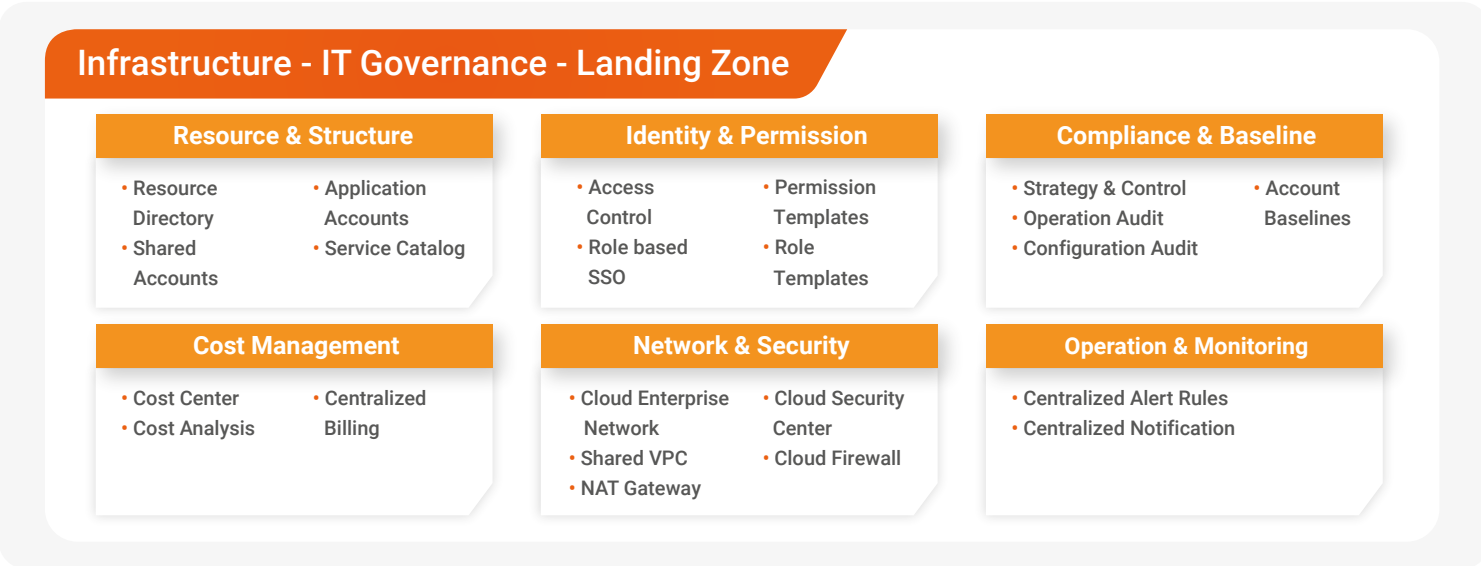


Robust and Elastic Infrastructure

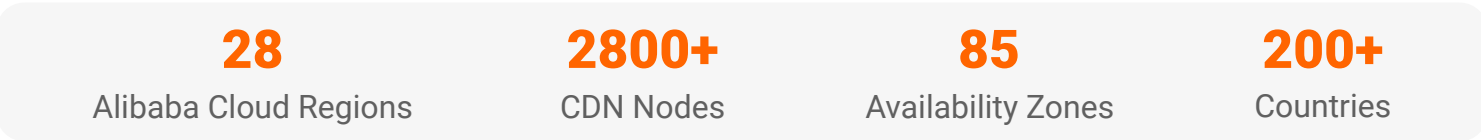
Solutions for Cloud and IT Team

IT Governance - Landing Zone

Cloud computing has improved the efficiency of resource delivery and daily operations like never before. Enterprise IT governance is the rational planning and allocation of enterprise IT resources. The Alibaba Cloud Enterprise IT Governance solution provides a set of management capabilities to help enterprises of all sizes smoothly migrate to the cloud and maximize the value of IT resources.

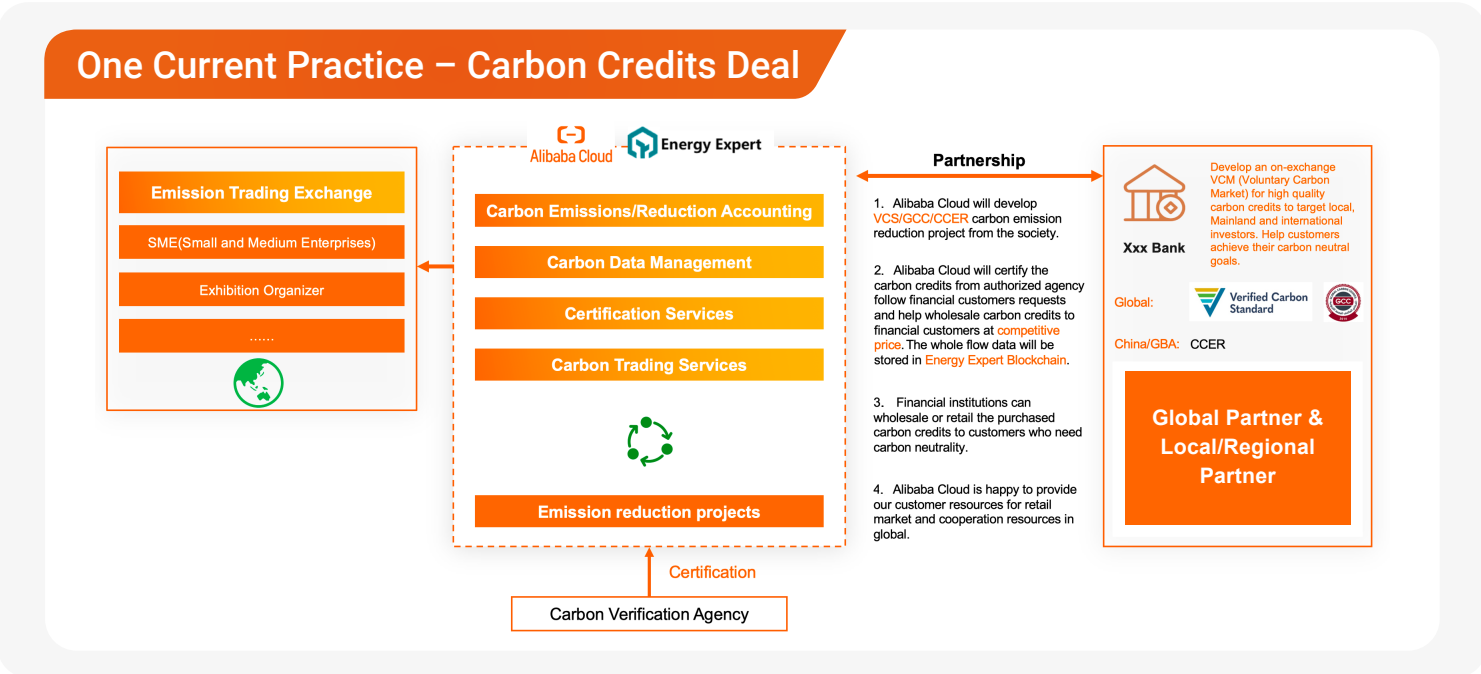


Alibaba Cloud Global Infrastructure



ESG: Energy Expert

How does it work in Financial Industry?



Secure And Compliant Foundation

Solutions for Security, Technology Risk, and Compliance Team

Our End-to-end Security



Managed Security Service



Cloud Firewall



Data Encryption Service



Security Center



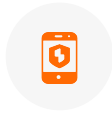
Penetration Test



Key Management Service



Web Application Firewall



Mobile Security



Anti-DDoS

Mobile Security Armor

Provides stable, simple and effective security protection for mobile application (App), improves the overall security level of applications, and protects applications from being cracked and attacked.



Reinforcement Time
75 Seconds (on average)



Reinforced Size
0.3MB (on average)



Occupies Low CPU Usage
6.78% (on average)



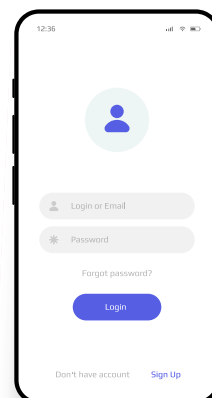
Occupies Low Memory Usage
11% (on average)

Common Attacks to Android App

- Anti-debugging
- Secondary Packaging
- Memory Data Tampering
- Dynamic Debugging
- File Tampering
- Memory Dump
-

Targeted Protection from being compromised

- ☒ Anti-reverse Protection
- ☒ Anti-debugging Protection
- ☒ Tamper Protection
- ☒ Anti-theft Protection



Compliance & Security

Regulations/Guidelines to look at when using cloud computing services

- **PCI DSS**

The PCI Data Security Standards is applicable to all entities that store, process or transmit payment card information.

- **PCI 3DS**

PCI 3DS is core security standard established by PCI Security Standards Council (PCI SSC), providing a framework for three critical EMV 3DS components - Access Control Server (ACS), Directory Server (DS), and 3DS Server (3DSS)- to implement physical and logical security controls to support the integrity and confidentiality of the 3DS transaction process.

- **Compliance for Different Regions**

Alibaba Cloud is committed to facilitating the customers in compliance with the financial industry-specific regulatory requirements, including the initial high-level due diligence and risk assessment, solution selection, implementation and transition, and post-implementation assurance. Alibaba Cloud provides a full suite of offerings that can help, including responses in every due diligence evaluation aspect, best practices in services and product configuration, automated and continuous security check tools, as well as assurance over the design and operational effectiveness of internal controls.

Security Compliance: Compliance Advisory Service

Based on the rich experience of Alibaba Cloud in cloud security compliance, this service can help you meet security compliance requirements in different countries and regions.

- Cloud security compliance consultation
- Secure design and deployment based on new compliance requirements
- Strengthen the security compliance posture of your alibaba cloud infrastructure



FinTech Best Practices



ABOUT US

Established in 2009, Alibaba Cloud (alibabacloud.com), the digital technology and intelligence backbone of Alibaba Group, is among the world's top three IaaS providers, according to Gartner. It is also the largest provider of public cloud services in China, according to IDC.

Alibaba Cloud provides a comprehensive suite of cloud computing services to businesses worldwide, including merchants doing business on Alibaba Group marketplaces, start-ups, corporations and public services.

Alibaba Cloud is the official Cloud Services Partner of the International Olympic Committee.

