

**Apsara Stack**



[Learn More](#)

# Apsara Stack



·Build Your Cloud with Full Stack·  
·Manage Your Cloud with Intelligence·  
·Enjoy Your Cloud with Ultimate Experience·

## Apsara Stack

Apsara Stack is a stable, secure, open, and intelligent solution that provides industry customers, such as public service sectors, enterprises, and carriers, with a consistent cloud service experience and powerful cloud computing technologies. Apsara Stack combines leading technical capabilities in the Asia-Pacific region with comprehensive operational capabilities. You can use Apsara Stack to provide a full range of cloud services for yourself and for third parties.

### Benefits



#### Stable

Apsara Stack provides a financial-grade disaster recovery solution that is iteratively optimized based on feedback from millions of users on Alibaba Cloud to ensure high system availability and business continuity.



#### Secure

Apsara Stack uses a native cloud security architecture to provide users with multidimensional multi-layered protection. Apsara Stack is the first cloud platform to pass the Commercial Cryptography Application Security Assessment and the first cloud service provider to pass the Multi-Level Protection Scheme (MLPS) 2.0 Level 4 certification in China.



#### Open

Apsara Stack provides standard-compatible development APIs. Apsara Stack is compatible with hardware from multiple brands and allows you to flexibly deploy 70+ Apsara Stack services, such as AI, middleware, and big data services, in your data center.



#### Intelligent






Apsara Stack provides an enterprise-level cloud management platform. Apsara Stack integrates monitoring, management, and control capabilities based on centralized cloud asset management to implement smart command and automated O&M. Apsara Stack has mature AI algorithms that have been proven on a large scale.

## Apsara Stack services

For customers with different business scales, Apsara Stack provides the Enterprise Edition and Agility Edition that support flexible deployment. In addition, Apsara Stack Appliance can be used in diverse cloud-edge collaboration scenarios. Customers can select an edition based on their needs to build a robust cloud.

To facilitate cloud management and use, Apsara Stack provides a hybrid cloud management platform with core competencies such as integrated management and control, automated O&M, intelligent analysis, and personalized expansion. In addition, Apsara Stack provides Apsara Devops to help customers improve their R&D and O&M efficiency.

Apsara Stack provides a hybrid cloud platform that integrates cloud building, management, and use to help enterprise customers build a full-stack cloud, manage it in an intelligent way, and enhance the cloud service experience.

Apsara Devops: Enterprise-level All-in-one Devops Platform				
Collaboration between Product and R&D Departments and Performance Measurement Multimodal Development: Cloud-native + Mobile + Traditional Applications Application Monitoring + Application O&M				
Apsara Uni-manager: Intelligent Hybrid Cloud Management Platform				
 Developer	 Operations Administrator	 O&M Engineer	 Decision Maker	 Third-party Integrator
Self-service Portal	Industry Cloud Operations	Centralized Monitoring and O&M	Data Dashboard	OpenAPI&SDK
Apsara Stack: Full-stack Infrastructure for All Scenarios				
<b>Enterprise Edition</b> Integrated Full-stack Cloud Platform 70+ Apsara Stack Services Available in Multiple Regions Scale: 20 to 10,000 Servers				
<b>Agility Edition</b> Lightweight Single Product Output Database, Middleware, and Big Data Scenarios Scale: 3 to 20 Servers				
<b>Appliance</b> Cloud-edge Collaboration and Integrated Rack Delivery Self-developed NPU Chip Services for the Needs of Transportation, Industrial, and IoT Scenarios				



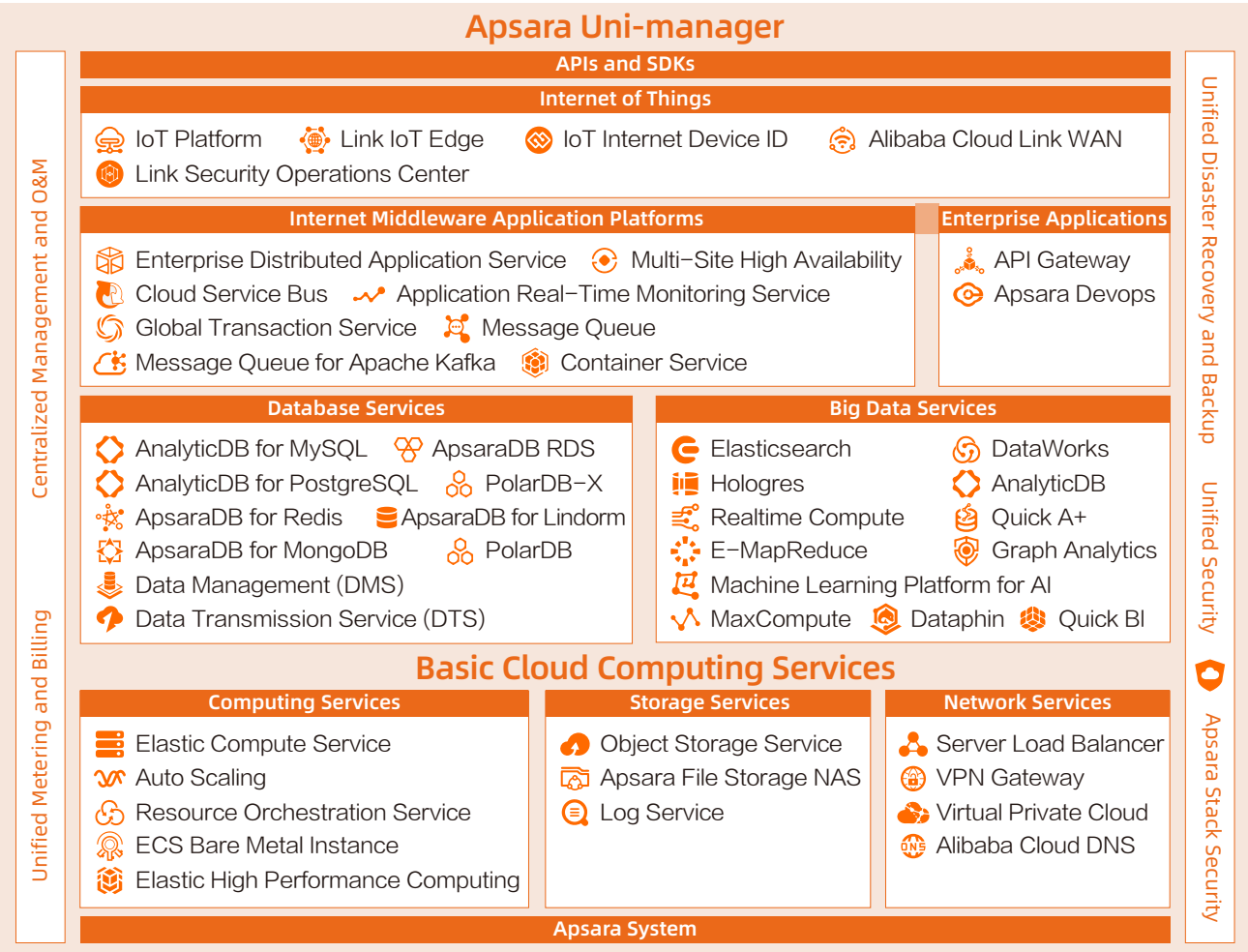
# Enterprise Edition

Apsara Stack Enterprise Edition provides a full-stack cloud platform for medium and large-scale business customers. Customers can use the same features as those of Alibaba Cloud services in the Apsara Stack environment.

Apsara Stack Enterprise Edition can be used to build large-scale multi-level clouds for public service sectors and enterprises or industry clouds. Apsara Stack Enterprise Edition also provides a miniaturized lightweight cloud platform to help early-stage cloud adopters migrate their applications to the cloud.

Recommended number of servers: 20 to 10,000

## Architecture of Apsara Stack



The preceding figure shows the architecture of Apsara Stack Enterprise V3.14.

## Benefits



### On-demand scale

Apsara Stack is suitable for customers who run ultra-large-scale business. Customers can deploy Apsara Stack on up to 10,000 servers in a single region. Customers can also use Apsara Stack to run their business across multiple regions. In addition, Apsara Stack provides a miniaturized lightweight cloud platform to help early-stage cloud adopters migrate their applications to the cloud.



### Security and stability

The native security architecture of Apsara Stack provides multi-layered, integrated security protection services. Apsara Stack is the first cloud service provider in China to pass the MLPS 2.0 Level 4 certification. Apsara Stack has passed multiple security certifications such as Trusted Cloud Services (TRUCS) Certification, ISO/IEC 27001, and General Data Protection Regulation (GDPR). For financial services, Apsara Stack provides three data centers across two zones and active geo-redundancy. These features ensure high system reliability and business continuity.



### Comprehensive solution

Apsara Stack and Alibaba Cloud are developed based on the same architecture. Apsara Stack provides 70+ services that are available on Alibaba Cloud and supports the hot update of these services. Customers can avail the latest Alibaba Cloud services from the Apsara Stack environment. Customers can also run their Apsara Stack applications on Alibaba Cloud with a few simple steps. Apsara Stack provides a comprehensive hybrid solution for various scenarios.



### Rich industry experience

Apsara Stack has rich experience in building full-stack cloud platforms for public service sectors and financial customers. Apsara Stack facilitates medium and large-scale public service sectors and enterprises to achieve a secure and stable cloud migration.