

Overview of Chinese Open Source Ecosystem and Infrastructure

AII TOOLS FOR AII DEVELOPERS

— *Chinese Open Source Ecosystem Thrives Through **Tool-Driven Innovation***

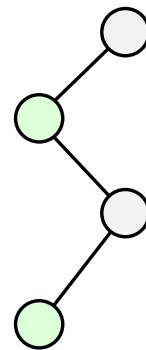
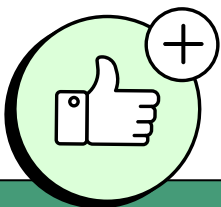


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Hosting Platform**



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**OSChina Strategic Positioning and
Collaboration in Russia**

Overview of OSChina



Chapter 1

Five Core Competencies of Open Source China



China Github

- ✓ Core Open Source Infrastructure / Gitee

China Linux University

- ✓ China Largest Programmer Training Community / OSChina Training



China Atlassian+Gitlab+JFrog

- ✓ Comprehensive R&D Tool Platform / Gitee DevOps

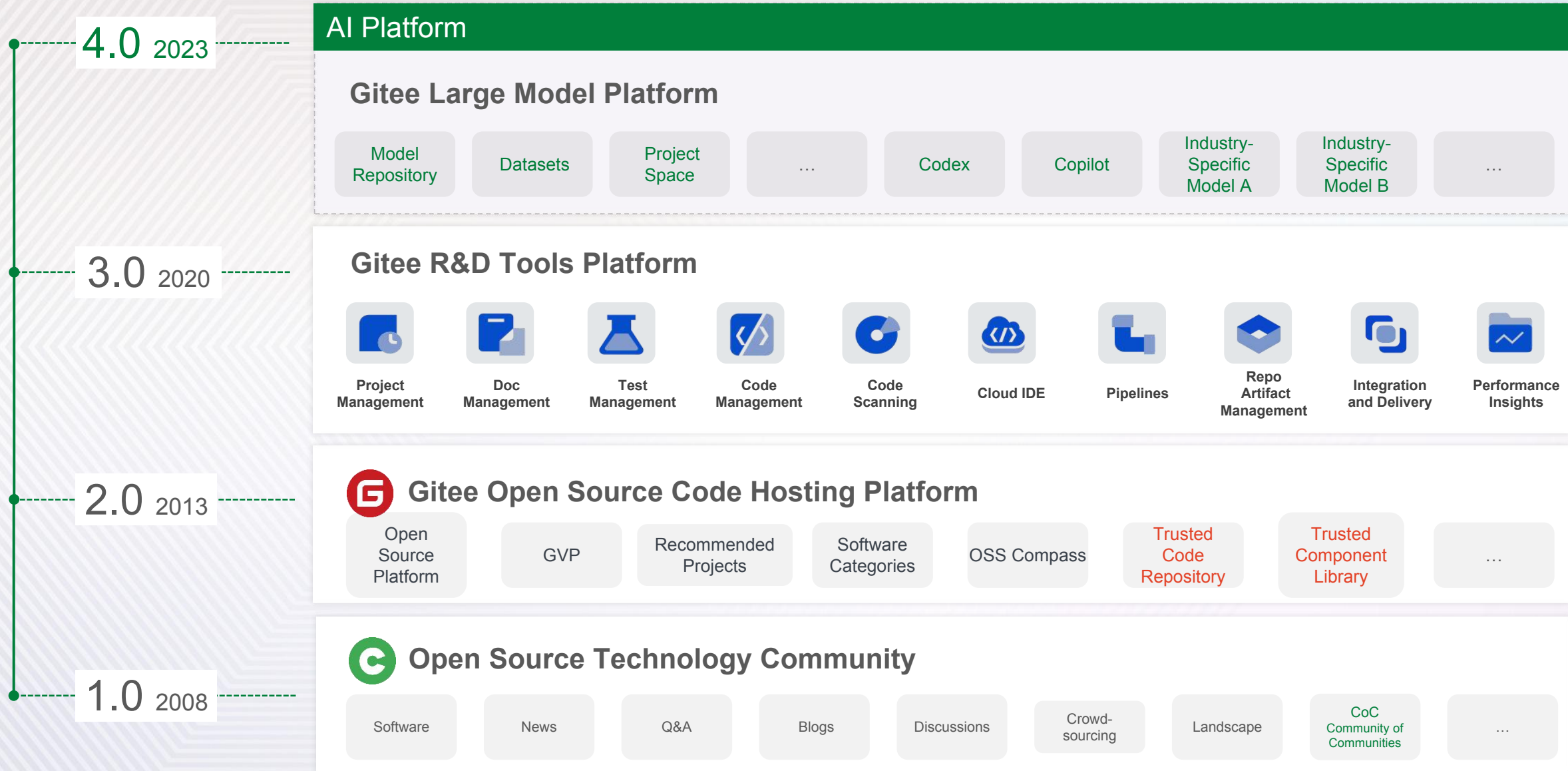
China StackOverFlow

- ✓ China Largest Developer Community / Oschina.net

China HuggingFace

- ✓ China Leading AI Large Model Platform / Gitee AI

Evolving Business Model



Community users

7M +



PV **5 M**

UV **1.5 M**



Client Downloads

2.3M +



Q&A Posts

400K +



Blog Posts

3.5M +



OS software library

80K +



Comprehensive Ranking of Website ocshina.net

Domain Name	oschina.net
Global Ranking (PV Rank)	491
User Visit Ranking (UV Rank)	583
Country	CN
Domestic Rank	88



oschina.net/project

Open Source Software Catalog

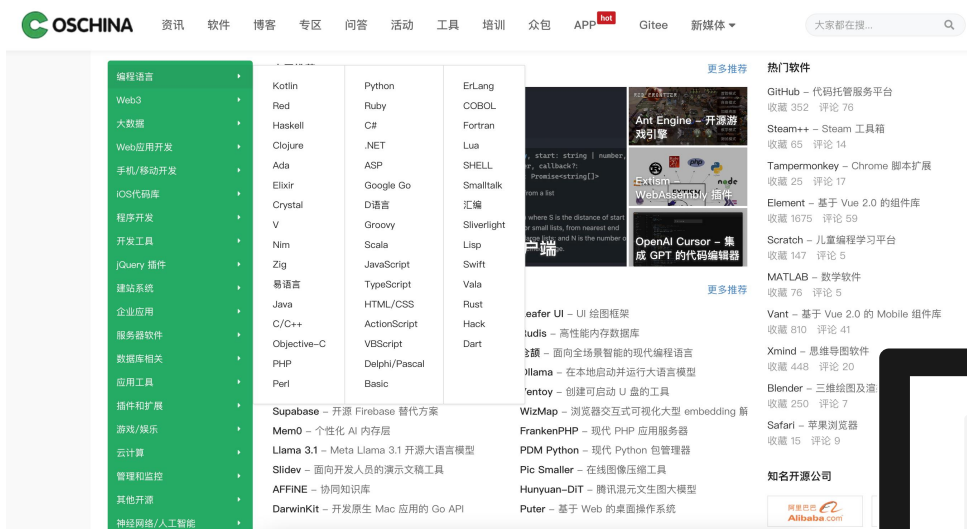
Featuring +80,000 open source software solutions, 27 categories, and 14,000 domestic opensource products



gitee.com/explore

Open Source Code Hosting Repository

Over 8 million open source code repositories, 18 categories, and more than 400 GVPs



OSChina User Pyramid



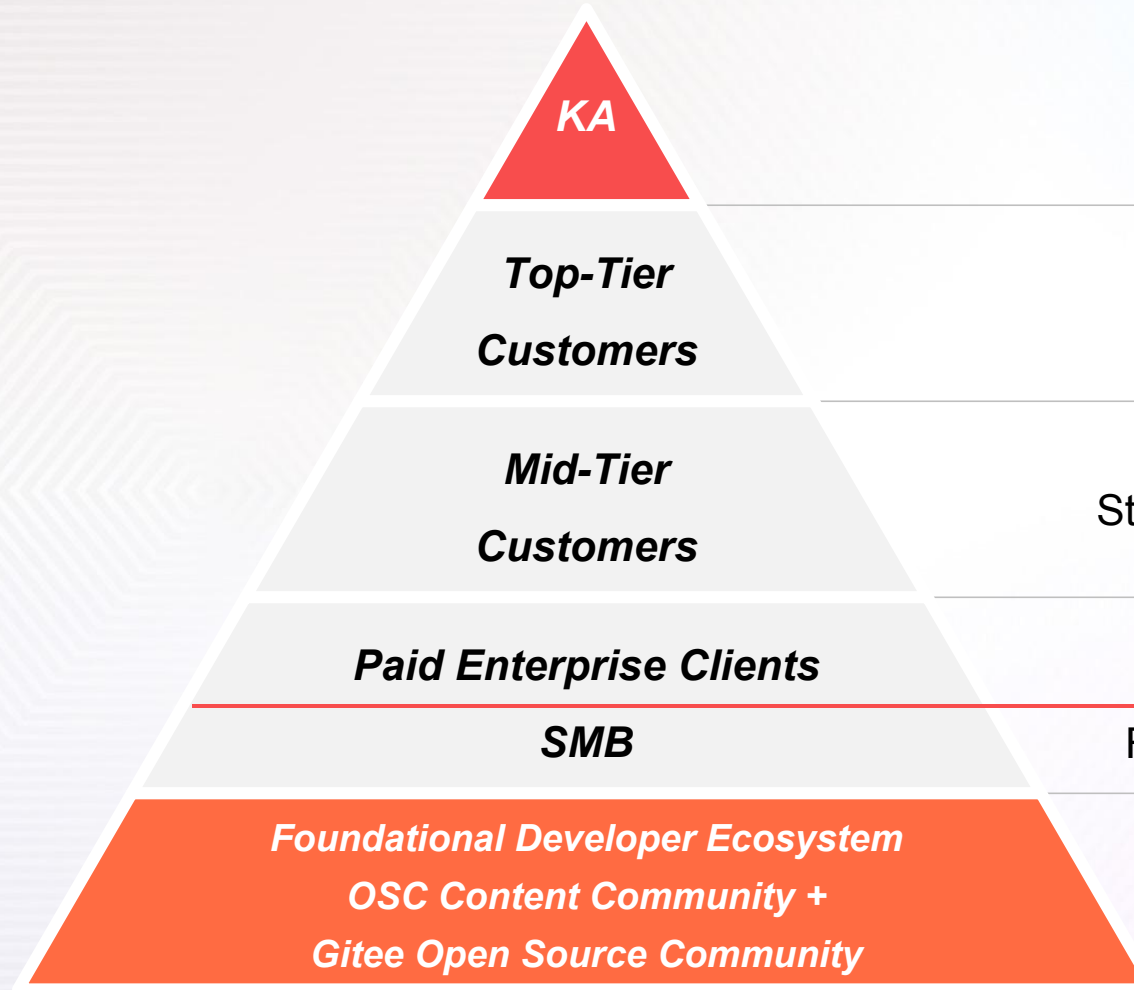
Enterprises Customers

Financial Service
Defence
Manufacturing
.....



Developer Ecosystem

Open-source author
Open-source code contributor
programmer
.....



KA Customer : **100+**

Private Cloud Customer : **300+**

Standard Product Customer : **1200+**

SaaS Client Base : **10K+**

Free Enterprise User Base : **300K+**

OSC : **7M+**

Gitee : **12M+**

Gitee Development Journey



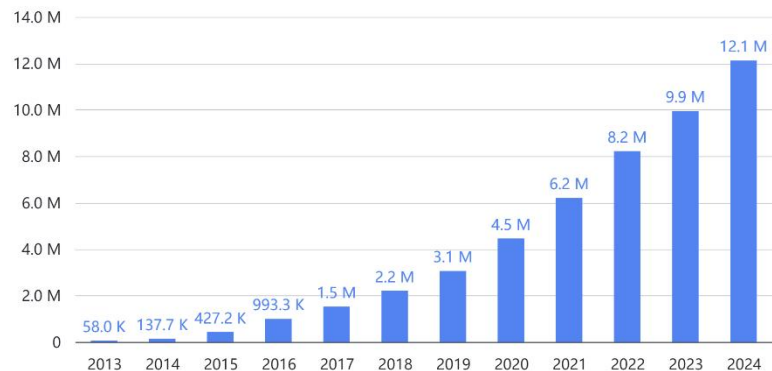
Chapter 2

Gitee Development Journey



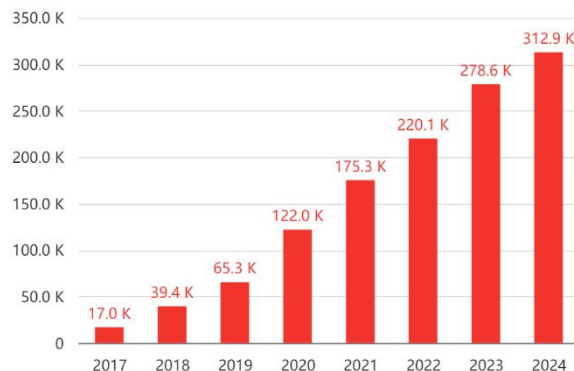
Explosive Growth of the Gitee Open Source Ecosystem

Gitee Users



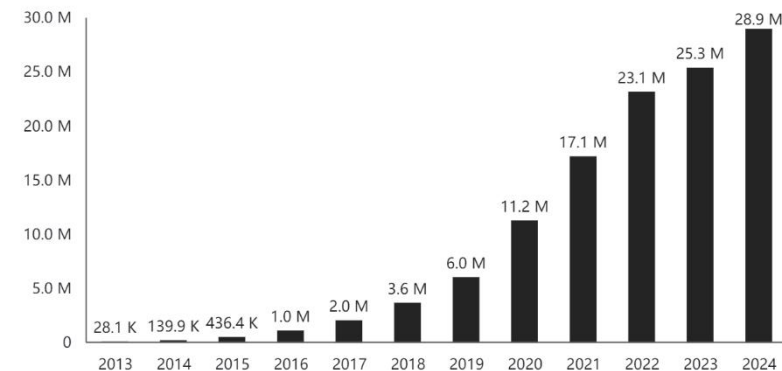
Cumulative User Base

Gitee Enterprises



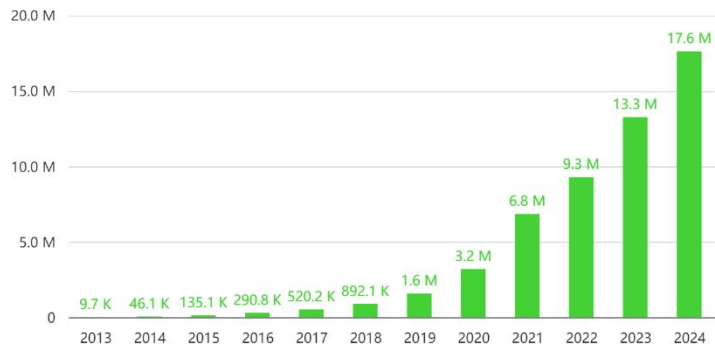
Cumulative Enterprise Base

Gitee Repositories



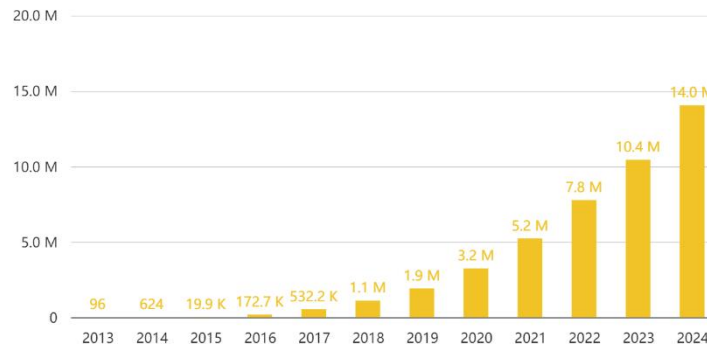
Cumulative Repository Volume

Gitee Issues



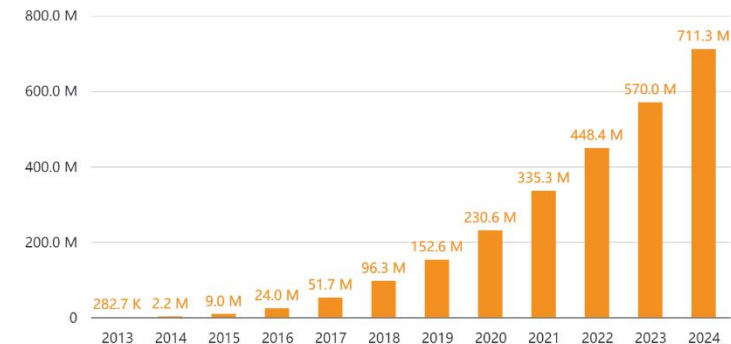
Cumulative Task Volume

Gitee Pull Requests



Cumulative PR Volume

Gitee Pushes

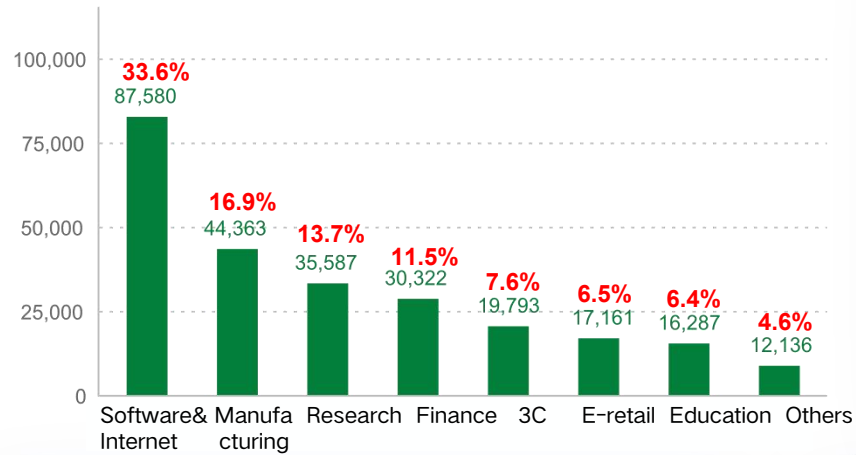


Cumulative Push Volume

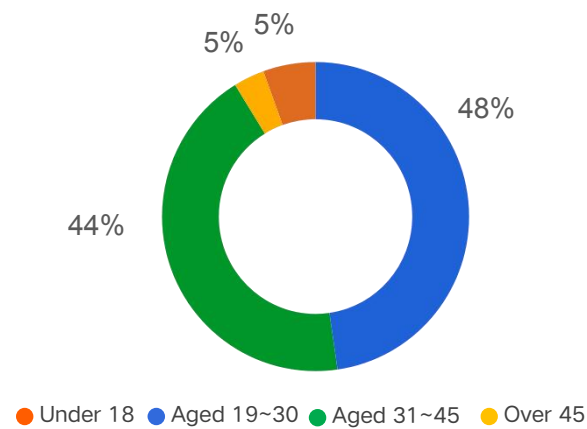
Gitee – SaaS Developer Profile



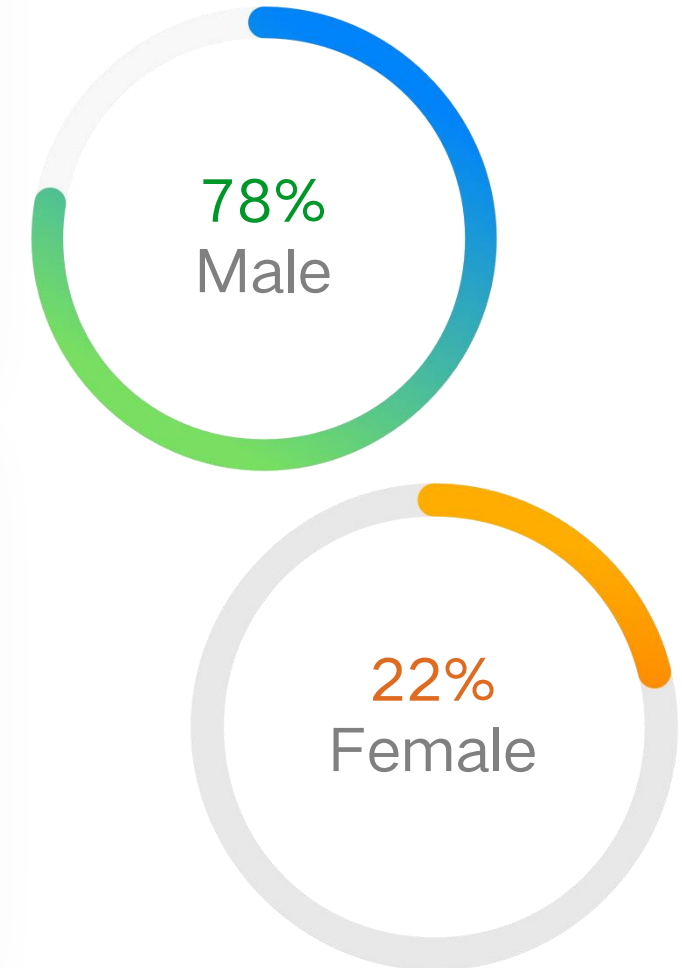
Gitee Industry Segmentation



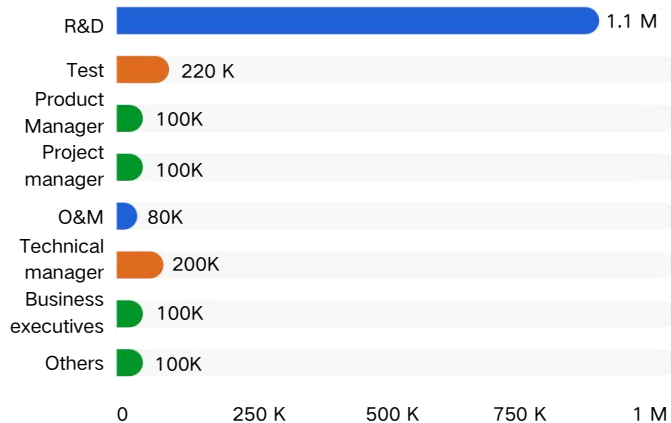
Gitee User Age Demographics



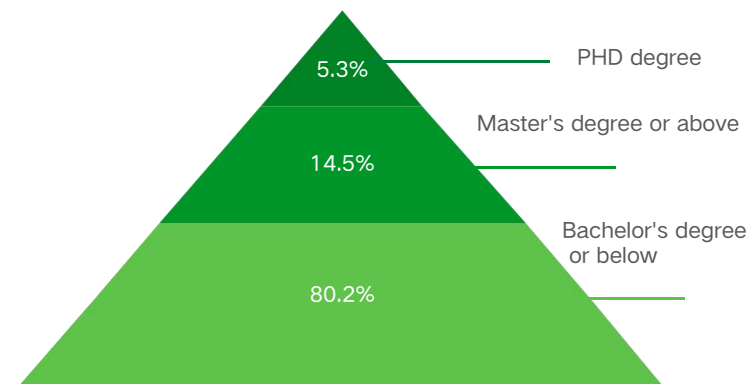
Gitee User Gender Breakdown



Gitee Job Role Distribution



Gitee User Education Breakdown



Gitee - Fully Independent Data Infrastructure in China



Open access to project repositories, artifacts, and software supply chain data

Integration with Other Open Source Platforms



Gitee High-Speed Download Service

- 2.5W high-quality open-source project mirrors available for download
- Daily synchronization

Downloadable content



1200W+Developers

Gitee Open Source Mirror Repository

- 76W mirrored mainstream open-source projects from GitHub
- 34 open-source operating systems and central software repositories
- Mirror data storage exceeding 220 TB
- Daily synchronization

Downloadable content



30W+Enterprises

GitHub One-Click Import / Bi-Directional Synchronization

- 3.5M open-source projects synchronized by users
- One-click import from GitHub and third-party code repositories
- Bi-directional synchronization, reducing the cost of maintaining open-source projects

Extended capabilities



2000+ University

National-Level Code and Artifact Repositories



Gitee - National-Level Secure and Reliable Hosting Platform



 Daily UV

2.5 M+

 Daily Traffic Volume


20 T

 Max DDoS Protection Capacity

1.2 T

 Daily PV

200 M+

 Total Lines of Code Managed


500B+

 Gitee.com Monthly Active Users

10.3M+

 Daily Push Git PV

150 M+

 **5,000** new users registered on Gitee daily
20,000 repositories created daily

 **10%** of total traffic originated from outside China

Gitee – Github's Sole Global Competitor



Total Developers Served by Gitee

12M+

Total Enterprises Served by Gitee

300,000+

Total University Served by Gitee

2000+

Average Monthly Visitors

10M+

Five Core Competencies:



Performance Measurement

Management Cost -119,283,115

Reduced Working Hours -118,231,528



Code Hosting

Total Repositories 25,023,245

Total Pushes 639,238,671



Continuous Integration

Number of Pipelines 5,623,245

Build Minutes 26,573,321



Team Collaboration

Number of Documents 3,581,060

Number of Internal Repositories 4,283,793



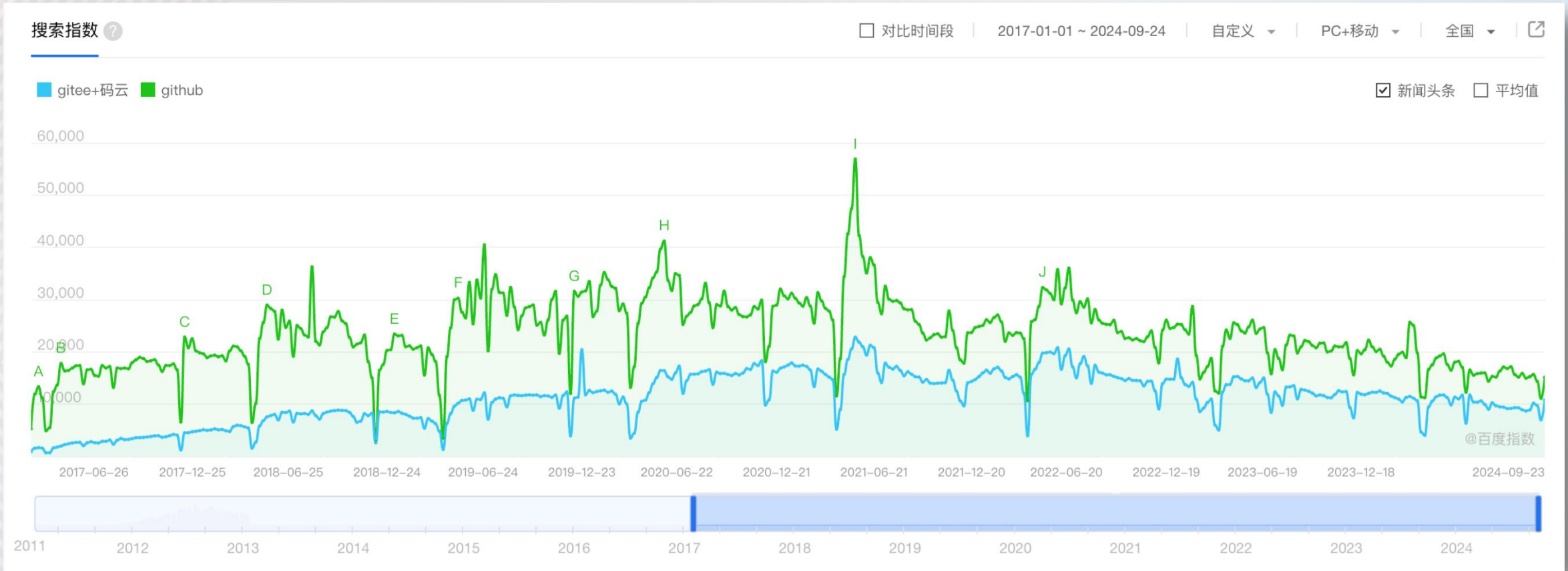
Project Management

Total Projects 3,321,896

Total Work Items 19,557,752



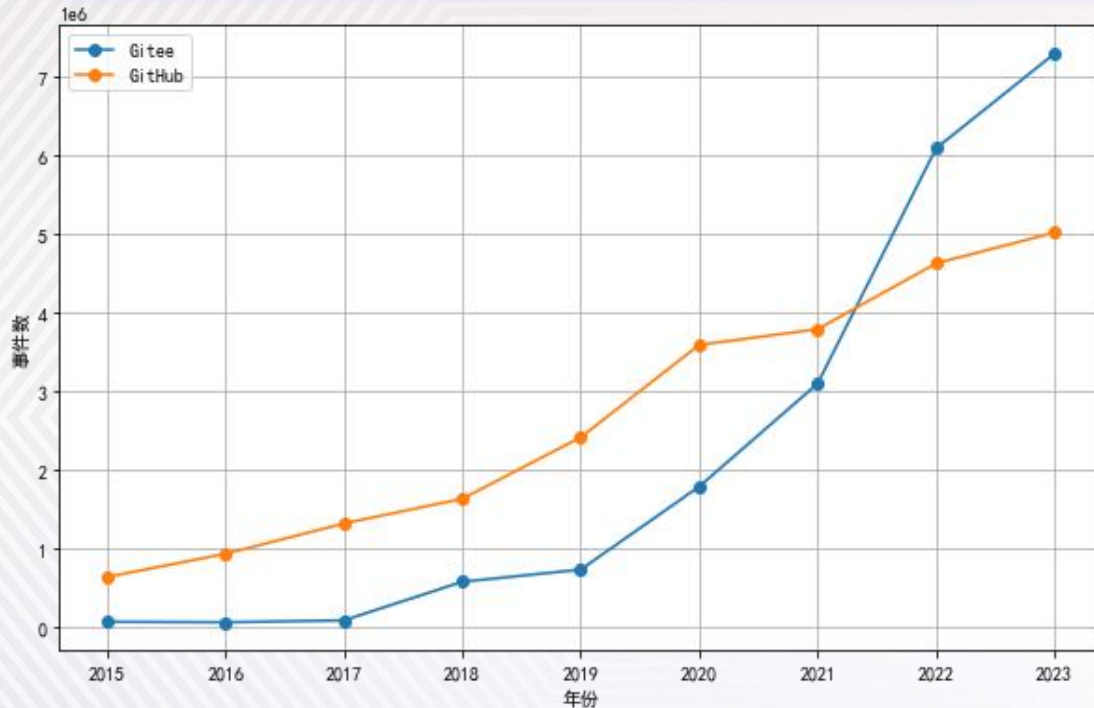
Rapid Convergence with GitHub



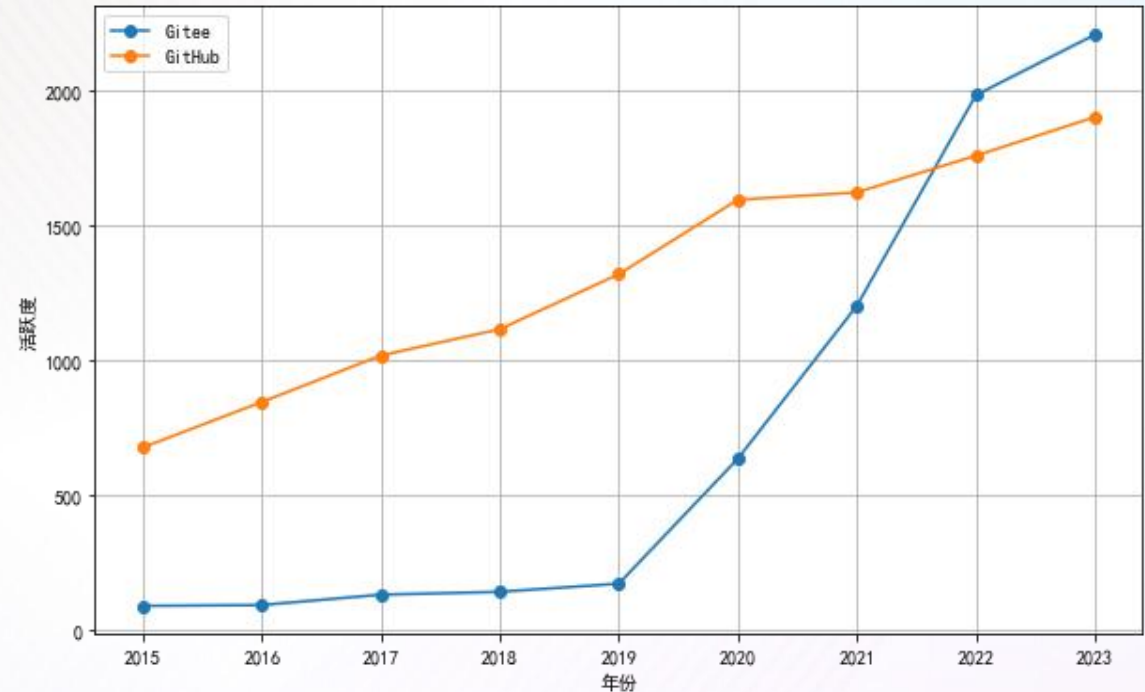
- Since 2017, Gitee has significantly **narrowed the gap** with GitHub.
- In China, Gitee traffic index has reached **80%** of GitHub.

Gitee Surpassed GitHub in China

Comparison of Repository Event Types:
GitHub vs Gitee



Comparison of Repository Activity:
GitHub vs Gitee



➤ According to the 2023 China Open Source Annual Report, Gitee surpassed GitHub in 2023 in terms of both **active repository types** and **overall activity levels** among the top 30,000 most active repositories.

➤ This highlights a major shift where domestic developers have transitioned from passive observers to active contributors, significantly increasing project vitality and the growth demonstrates Gitee substantial progress in technological innovation and knowledge sharing.

Gitee - Core Code Hosting Platform for HuaWei



- Gitee currently hosts **flagship** open source projects for **Huawei**
- OpenHarmony, OpenEuler, MindSpore, OpenGauss, Volcano



OpenHarmony™



OpenEuler



VOLCANO

The screenshot shows the Gitee page for the OpenHarmony project. The header includes navigation links like 'Explore', 'Enterprise', 'Education', 'Gitee Premium', 'Gitee AI', and 'My'. The main content area features a 'Pinned' section with several repository cards: 'applications_app_samples', 'docs', 'kernel_liteos_a', 'arkui_ace_engine_lite', 'kernel_liteos_m', and 'community'. Below this is an 'Introduction' section for the 'OpenHarmony Project' with statistics: 717 Projects, 7.3K PRs, 33 Projects, and 656 PRs. An 'Organizational Introduction' section follows, describing the project's goals and community.

The screenshot shows the Gitee page for the Huawei LiteOS project. The header is similar to the previous page. The main content area features a 'Popular' section with repository cards for 'openGauss', 'openGauss-server', 'openGauss-connector-jdbc', and 'openGauss-connector-odbc'. Below this is an 'Introduction' section for the 'openGauss Project' with statistics: 99 Projects, 948 PRs, 27K Projects, and 71K PRs. The page also includes a search bar and navigation options.

Gitee - The Largest Open Source Project in China: Huawei HarmonyOS



Total Participants

8000

Total Repositories

15 G

Daily Traffic

2.8M

Network Bandwidth

2.5 G

Total Traffic Share
only **1.5** %

OpenHarmony 920

按钮(Button) 19

文本框(EditText) 17

布局(Layout) 41

图形图像(Image) 61

进度条(Progress) 36

菜单(Menu) 28

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选择器(Selector) 29

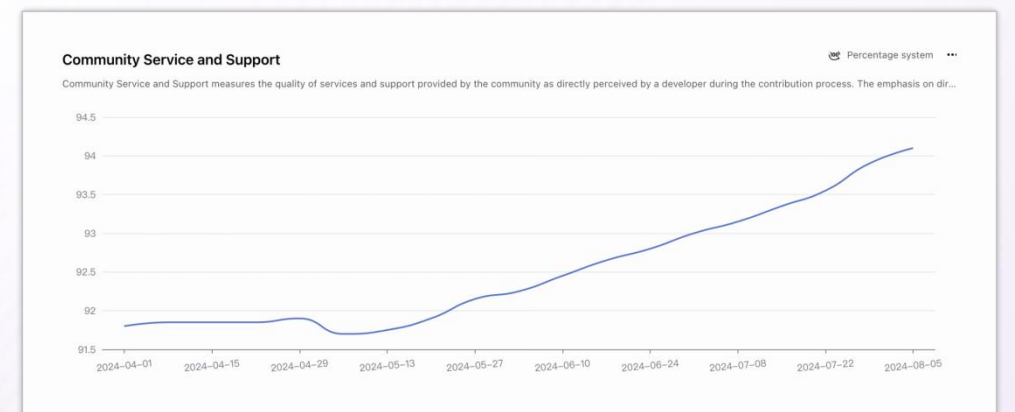
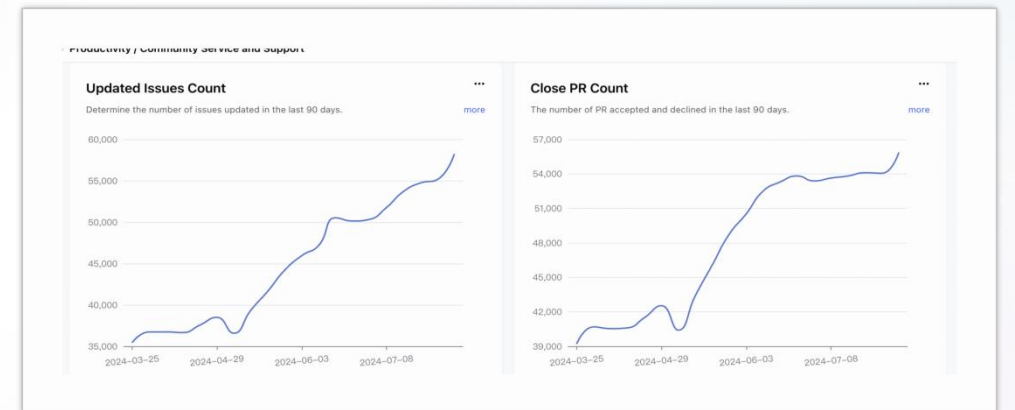
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OpenHarmony 热门项目

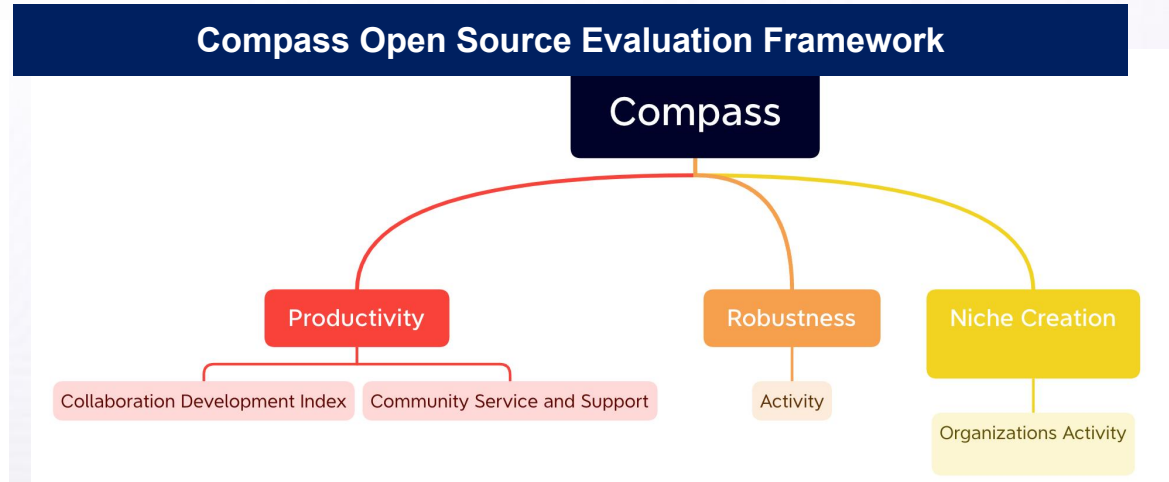
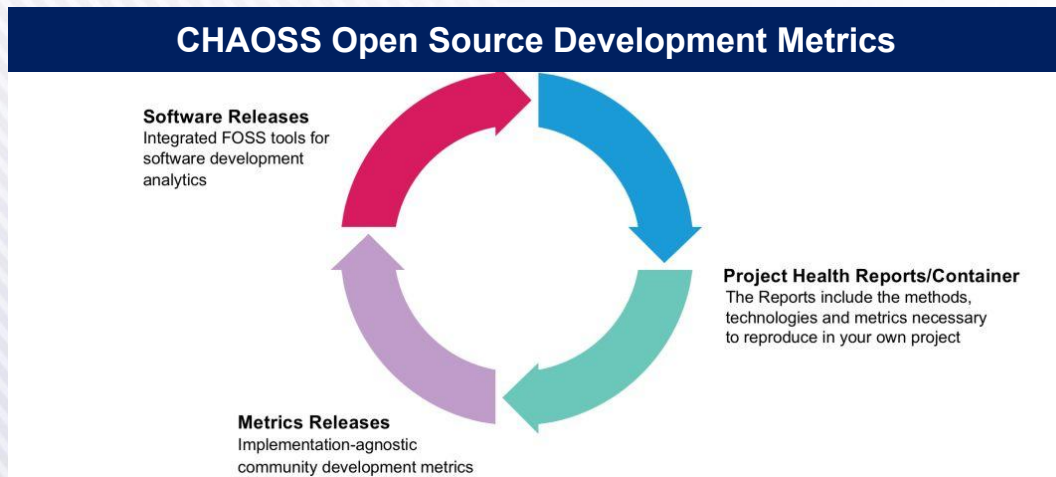
- HarmonyOS-Cases/Cases 1.1K
- awa_Liny/LinysBrowser_NEXT 4
- OHOS Porting Communities/device_board_opc 1
- OpenHarmony-SIG/ohos_crypto_js 41
- Kingtous/ohos_reqwest 2



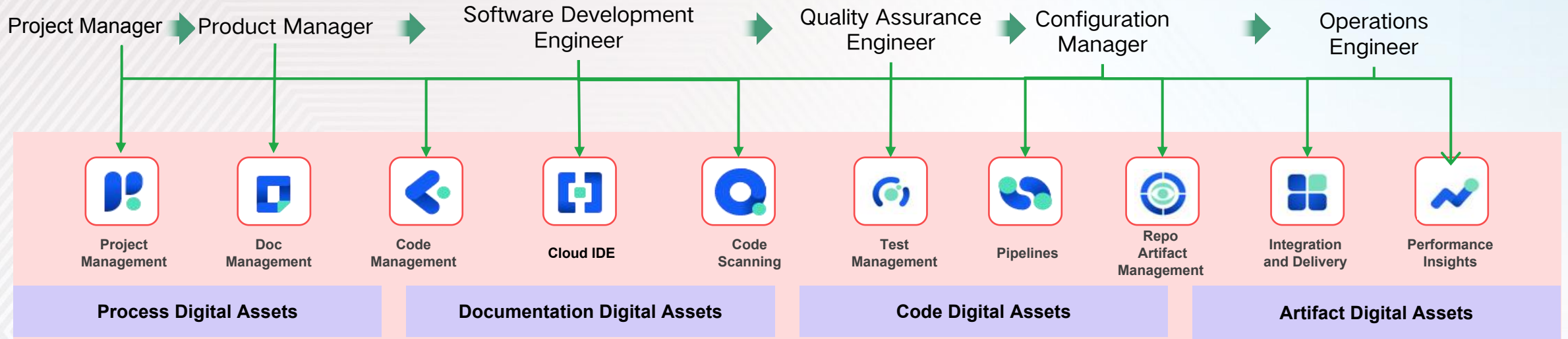
Compass Index for Huawei Top 3 Open Source Projects

OpenHarmony™

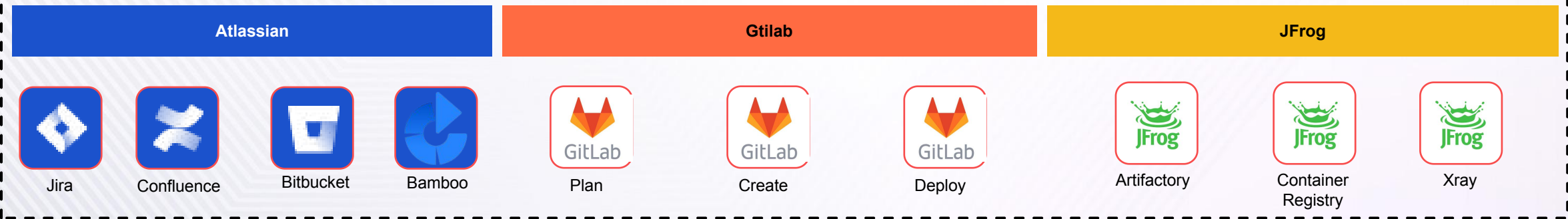
	OpenHarmony™	OpenEuler	MindSpore
Organizational Activity	99.2	100	96.3
Collaborative Development Index	96.17	94.25	91.75
Community Support and Infrastructure	93.9	91.85	87
Project Activity Level	91.7	85.2	87.05



Gitee DevOps - Full Lifecycle Development Tools



Fully Integrated Platform for End-to-End Software Development Tools as a Domestic Alternative



\$72.7 Bn USD

\$79 Bn USD

\$2.5 Bn USD

Three Leading Benchmark Software Tool Companies with a Combined Market Capitalization of Nearly **\$100 Billion USD**

Gitee DevOps - Clients in Finance, Defense, and High-End Manufacturing Sectors



Overview of Gitee AI Large Model Hosting Platform


Chapter 3

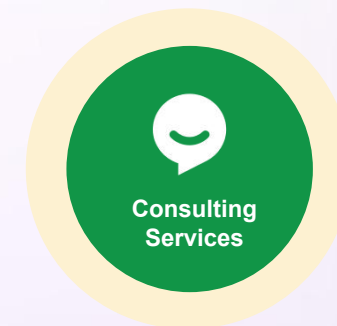
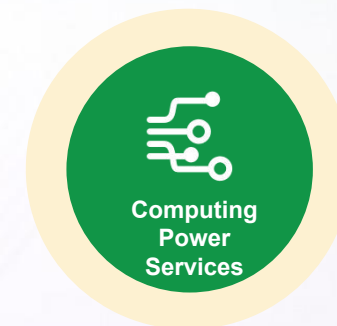
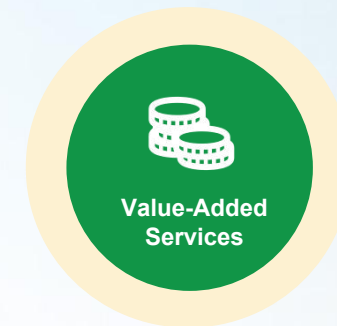
Innovation, Application Markets, and Entrepreneurship

Industry-Specific Applications				Enterprise Applications				Service-Oriented Applications		
Finance	Retail	Medical	Education	Advertising	Marketing	Human Resources	Legal	Data Analytics	Scientific Platforms	Speech Recognition
Transportation	Government Services	Manufacturing	Agriculture	Taxation	Customer Support	Collaboration	Production	Computer Vision	Natural Language Processing (NLP)	
Energy	Media & Entertainment	Telecommunications	Real Estate							
Meteorology	Health care	Logistics	Tourism	Security	Monitoring	Analytics	Decision-Making	Behavioral Analysis	Social Networks	E-commerce Platforms

Models and Datasets

Text	Images	Audio	Video	Multimodal	Programming	Biometrics	Data Mining	Deep Learning
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Intelligent Computing Centers, Infrastructure, and Cloud Platforms



Extensive Collection of Open Source Models + Datasets

Plug-and-Play Large Models, Simple and Intuitive

The screenshot shows the Gitee AI interface. The top navigation bar includes 'Models', 'Datasets', 'Apps', 'Serverless', 'Solutions', 'Topics', and 'Docs'. Below the navigation, there are several featured cards for different models and datasets. The 'Models' section displays a grid of model cards, each with a search bar, a list of top searches, and a '+ New Model' button. The 'Datasets' section follows a similar layout. The interface is clean and modern, with a focus on user-friendly navigation and search capabilities.



This screenshot shows the 'Text Generation' section of the Gitee AI interface. It features a search bar at the top and a list of model cards. Each card includes the model name, a brief description, and pricing information. The models listed include 'glm-4-9b-chat', 'Qwen2-72B-Instruct', 'Qwen2-7B-Instruct', 'Yi-1.5-34B-Chat', 'FLUX.1-schnell', 'Kolors', and 'stable-diffusion-3-me...'. The interface is designed to be intuitive and easy to navigate.

Resource Package Introduction

After purchasing this resource package, you can select any model in the list below to call it. The types of models available in the future will continue to increase, and new models can be enjoyed without additional payment.

- **How to use:** After successful purchase, you can choose any model from the list below to call.
- **Billing method:** Billing is based on the number of calls. The single call price of different models is different, and the call unit price of different APIs or parameters of the same model is also different. You can view the call details in statistics and logs.
- **Validity period:** Effective immediately upon successful purchase, valid for one year.

Available models (8)

Model Name	Language	Feature Extraction	Price	Trial
lbg-large-zh-v1.5	Embedding	将文本向量化, 可用于 RAG	0.002 CNY/call	Trial
lbg-large-zh-v1.5	Embedding(OpenAI 兼容)	与 OpenAI Embedding 接口兼容, 将文本向量化, 可用于 RAG	0.002 CNY/call	Trial
lbg-small-zh-v1.5	Embedding	将文本向量化, 可用于 RAG	0.001 CNY/call	Trial
lbg-small-zh-v1.5	Embedding(OpenAI 兼容)	与 OpenAI Embedding 接口兼容, 将文本向量化, 可用于 RAG	0.001 CNY/call	Trial
FLUX.1-schnell	Text-to-Image	分辨率1024*1024 支持生成 1024*1024 内分辨率的图像, 支持动态尺寸	0.05 CNY/call	Trial

MEETAX 沐曦

About 沐曦

- 联系沐曦 Business@metax-tech.com
- 关于我们
- 曦思 N 系列推理推理
- 曦云 C 系列通用计算
- 曦彩 G 系列图形处理
- 曦 MACA 运算平台



Collection of Top Models

We provide numerous open source models allowing you to learn about the latest and hottest resources.



One-Stop AI Service

Experience, inference and train your models online, and create and deploy your apps with one click.



Support for Multiple AI Chipsets

Provides choices of various computing resources, such as NVIDIA, Ascend, Iluvatar CoreX, Sugon, etc.



AI Community

Grow together with your buddies in the community, with AI experts, complete documentation and tutorials to help you get started quickly.



Gitee AI - Building an NVIDIA-Free Ecosystem



Total Volume of Large Language Models (LLMs)

13000

Total Volume of Datasets

8000

AI App

800

Domestic Semiconductor Manufacturers

6



AI Foundation

~

Exclusive Partner in China



OSChina Strategic Positioning and Collaboration in Russia

Chapter 4

Education and R&D Cooperation

- Joint Educational Projects
- Collaborative R&D Initiatives



Technical Analysis and Review

- Artificial Intelligence/Machine Learning/Language Models Professional
- Cloud Computing
- Internet of Things
- Mobile Development
- Big Data
- Blockchain



Content Publishing and Consulting

- News and Blogs
- Professional Content and Consulting Services



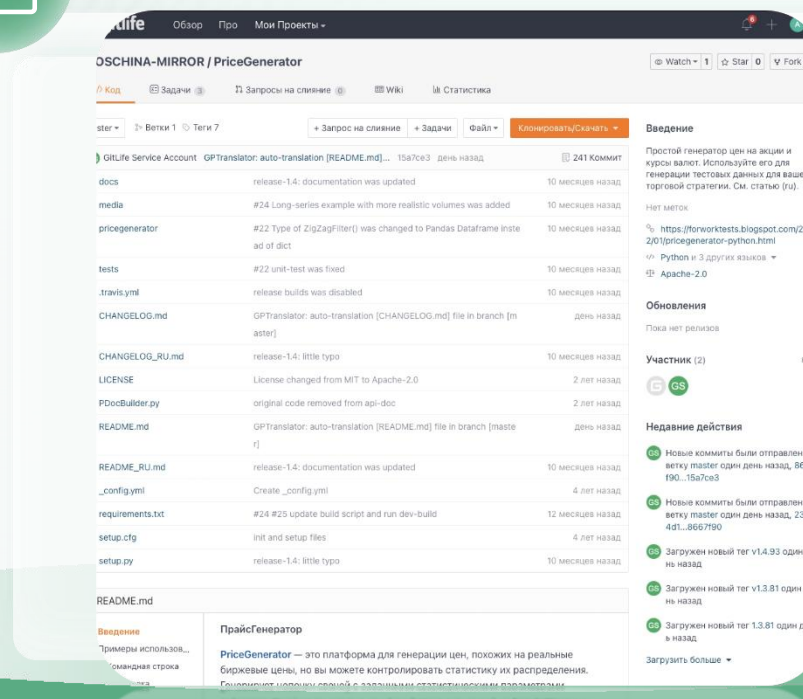
Open-source Project Exchange

- China-Russia Code Project Exchange
- Localization and Adaptation Adjustments



Joint Community Building

- Cultivating Joint Communities
- Supporting Open-Source Projects and Enterprises



Current Offerings through Gitlife.ru Partnership with Gitee AI

AI.GITLIFE.ru Platform



Expected Availability

4-6 months



Overcoming Barriers

- High Technical Barriers
- Resource Limitations
- Localization Challenges



Meeting Regional Needs

- Leveraging Chinese and International AI Models
- Utilizing Datasets
- Data Localization
- AI Application Development



Building the AI Community

- Professionals
- Researchers
- Enthusiasts



Hardware Solutions

- Introducing Chinese GPU Hardware
- Promoting in Russia



Chinese GPU/Hardware Rental Services

- Access to Chinese GPU and hardware resources.



Dedicated Accounts at AI.GITEE.COM

- Exclusive access to AI services and resources.



Model Usages with Inference/Training Engines Creation

- Flexible option to create and use AI models with hourly billing.



Serverless Large Model Inference API Service

- Activity-based billing for serverless AI model inference services..

THANKS

Leveraging our Global Perspective with a Localized Approach to Fulfill Our Mission

- For the past 16 years, we have harnessed the power of open source technology to help China's software professionals stay at the forefront of the industry, enabling world-leading software engineering capabilities.
- Looking ahead, we will continue to utilize open source AI technology to accelerate the transformation of China's software professionals into AI practitioners, ensuring they remain at the cutting edge and making China's AI engineering capabilities globally competitive.



Github + Atlassian + Gitlab + Jfrog + Hugging face

