
Bonree
Bonree ONE
Unified Intelligent Observability Platform
Make IT Operations More Intelligent
www.bonree.com

About Bonree

A Public Listed Company in China

18 yrs.
Specialized in System Monitoring

40 million+
R&D spending since 2020

450
Employees

80%
Engineers

80%
of Leading Enterprises

95%
Repeat Customers

45
Patents for Invention

135
Software Copyrights

30
Core Technologies

Our Achievements

“No.1 in China market share.”

- IDC

“The only Vendor of China that has both APM and AIOPS capabilities. “

- Gartner

APM market share No.1 in China **since 2022**

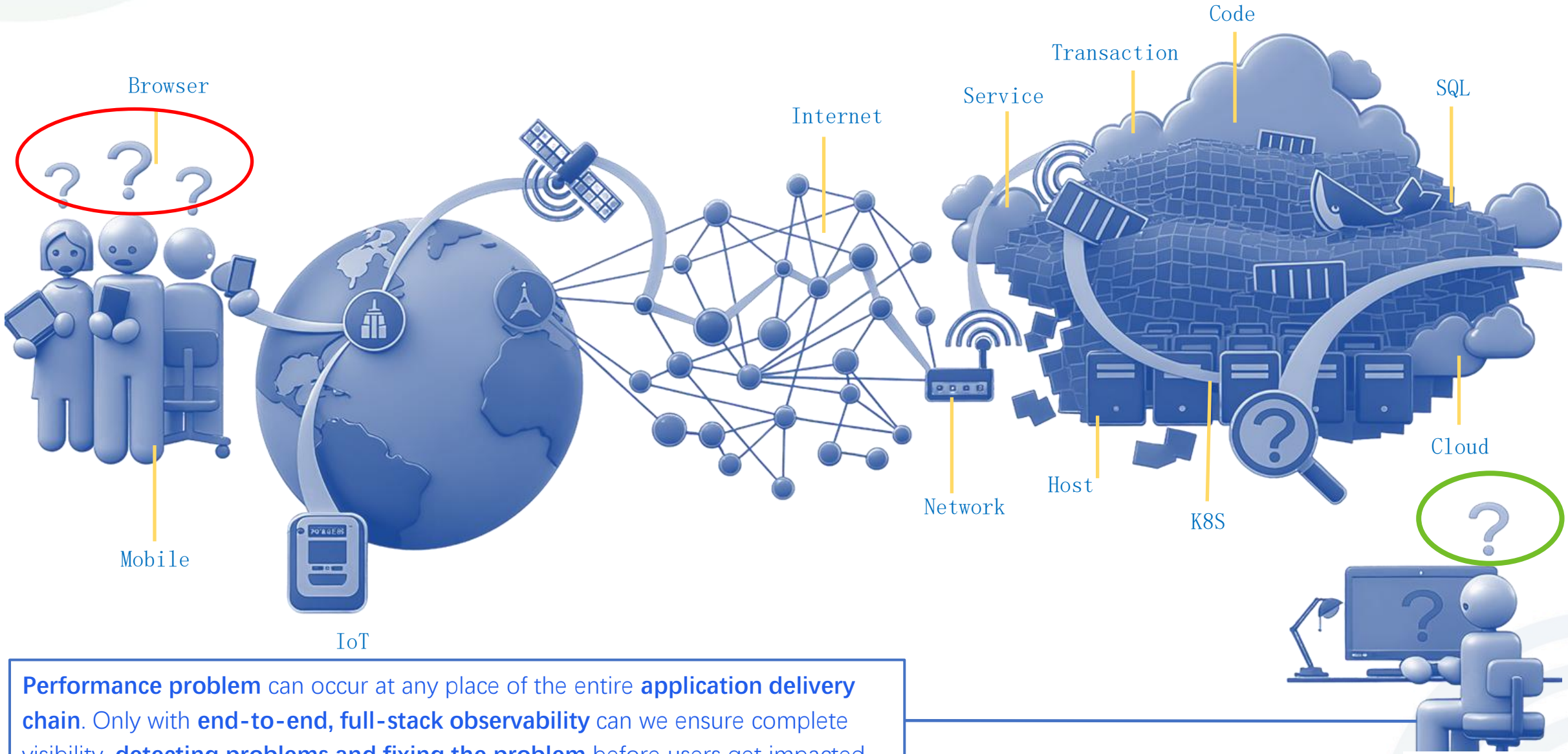
Capability Maturity Model Integration **Level 5**

Patents & Copyrights & ISO **186+ certified**

Our Customers

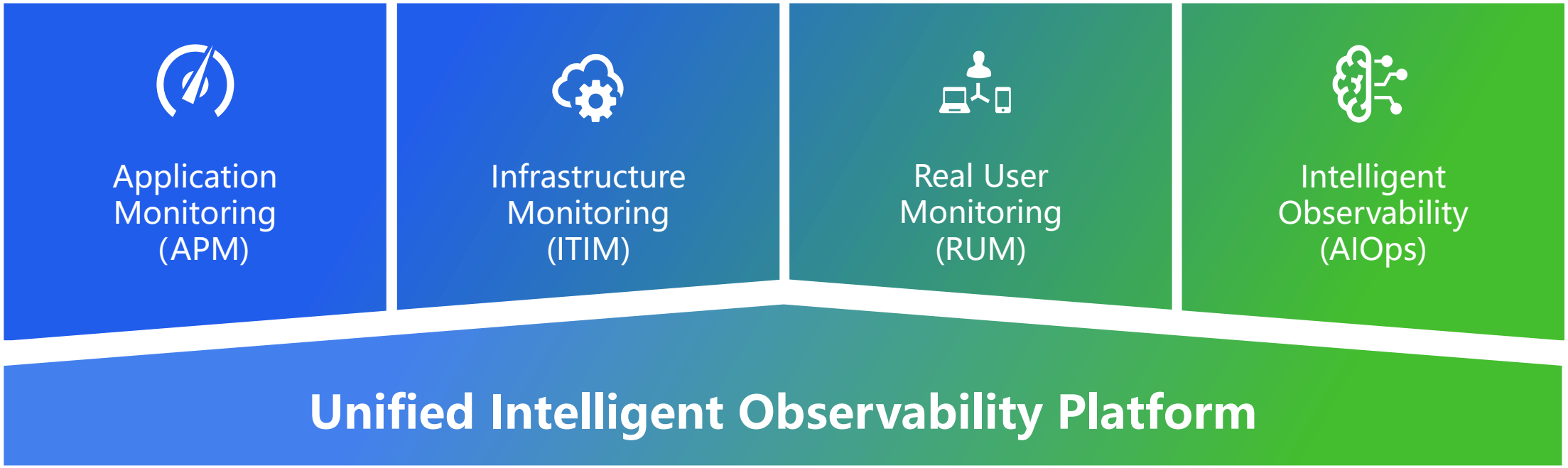
The Challenges faced by IT Operation

The Complexity of Application Delivery Chain



Performance problem can occur at any place of the entire **application delivery chain**. Only with **end-to-end, full-stack observability** can we ensure complete visibility, **detecting problems and fixing the problem** before users get impacted.

Our Solution: Bonree ONE



Overview of Bonree ONE

Improve Troubleshooting Efficiency
ITOM

Optimize Application Performance
DevOps

Enhance Application Resilience
BizOps

Infrastructure Monitoring (ITIM)

- IDC/Hybrid/Public/On-Prem Cloud
- VMs, Containers, Kubernetes, etc.
- Compatible with Zabbix, Prometheus

Apps Performance Monitoring (APM)

- Multi-Language support, Java, .NET, etc.
- Fully traces from user to code
- Monitoring in real time

Real User Monitoring (RUM)

- Multi-Client support, SDK, MP, WEB..
- User Session Collection & Replay
- Crashes, ANRs, Exceptions

- Operation Monitoring
- Capacity Monitoring
- Inspection & Reporting
- User Operations Analysis
- Diagnostic Logs
- Automatic Upgrade

Bonree ONE

Unified Intelligent Observability Platform

SmartAgent
Out-of-the-box collect data

OneTrace
Distributed tracing

OneIntegration
Ingest third-party data

Datalake (Zeus)
Engine of Federated query

Swift AI
Adaptive A.I Analysis

OneTopology
Build entity model topology

Bonree Pilot
Self-Monitored

Quick Deployment for Immediate Value

OpenTelemetry → SmartAgent

Observability Level-Up

Cross-platform & cloud-agnostic

Public · On-Prem · Hybrid · IDC

Full-stack monitoring from user to code

User · Page · Apps · Network · Service · Code · Process · DB · M/W · Container · Kubernetes · Host · ...

The most comprehensive observability data

Logs · Traces · Metrics · Events · Metadata · User Journey · Topologies

Data Collection and Integration

One agent collects all type of data

10k+ agents for large scale deployment

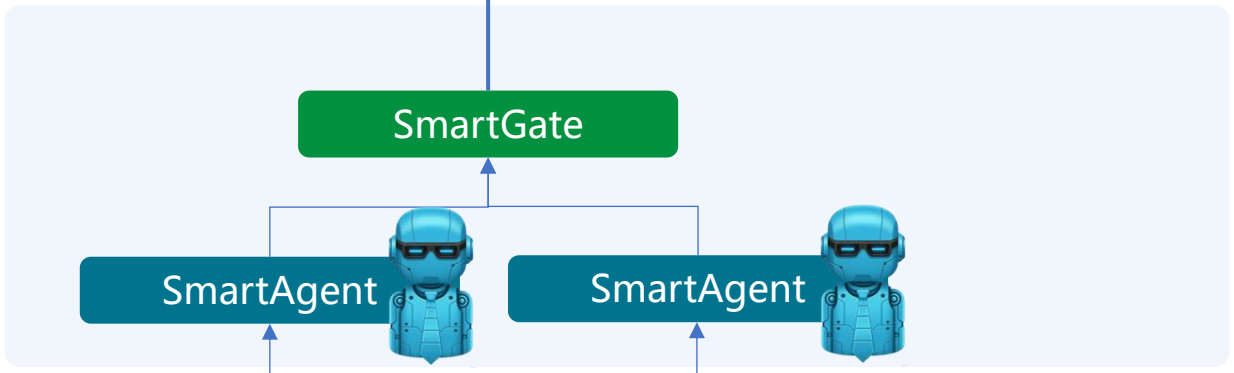
8+ year battle experiences in PROD

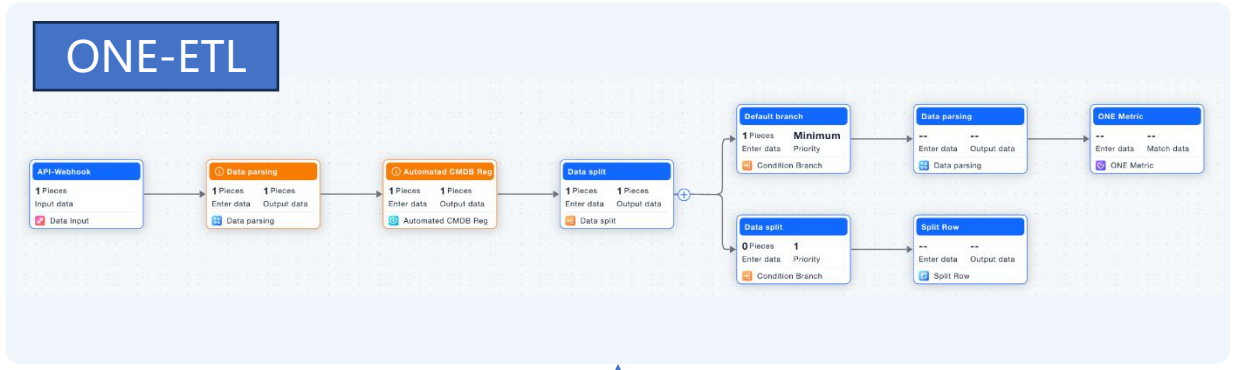
Bonree ONE

Out-of-the-box plugin for standardized data

Zero-coding for none-standardized data

Logs | Traces | Metrics | Events | Metadata





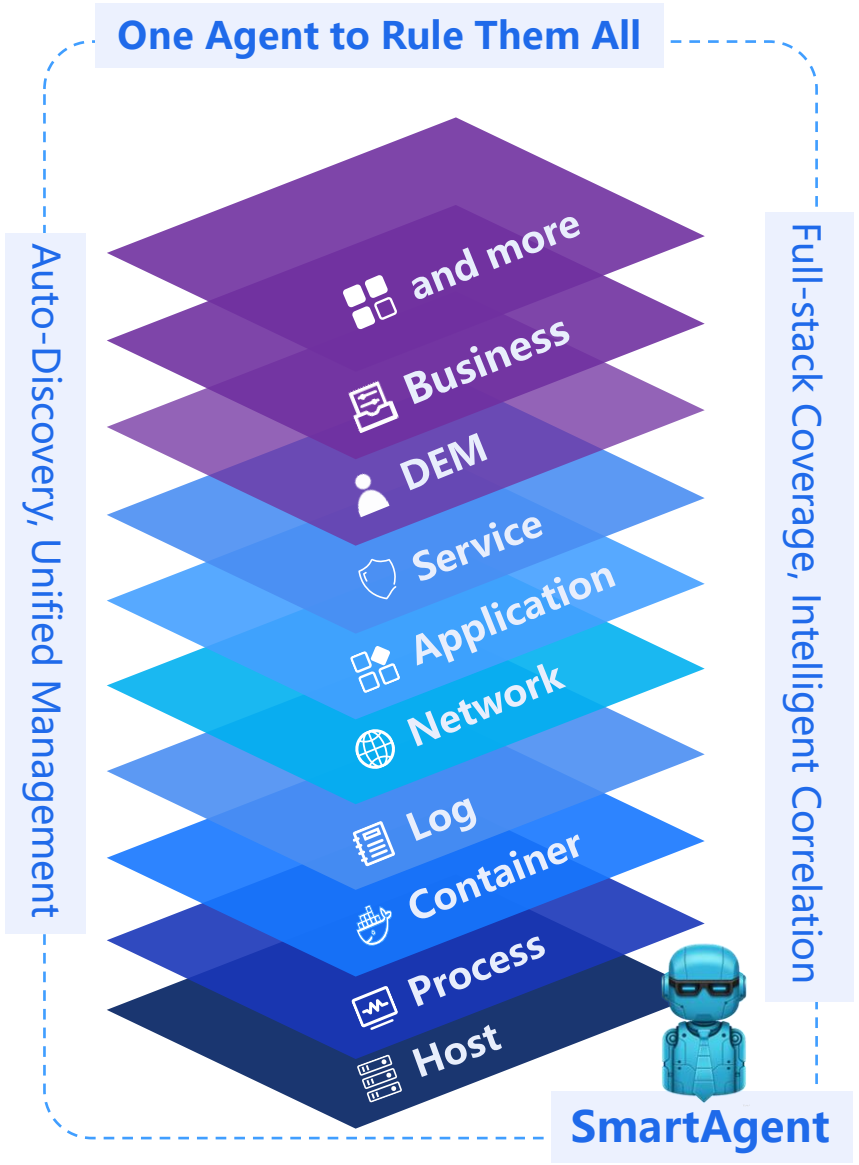
Biz | Web | iOS | Android | Win | Harmony OS | N/W Request | Services | Codes | Process | Container | Kubernetes | Server

ZABBIX | Prometheus | OpenTelemetry | API | HUAWEI CLOUD | Netis天旦 | 日志易 rizhiyi.com | webhooks | kafka

Bonree SmartAgent

Bonree OneIntegration

Fullstack Monitoring with SmartAgent



NO.1

Largest deployment:
10K+ Hosts

500+

Production adoption for leading enterprises in China

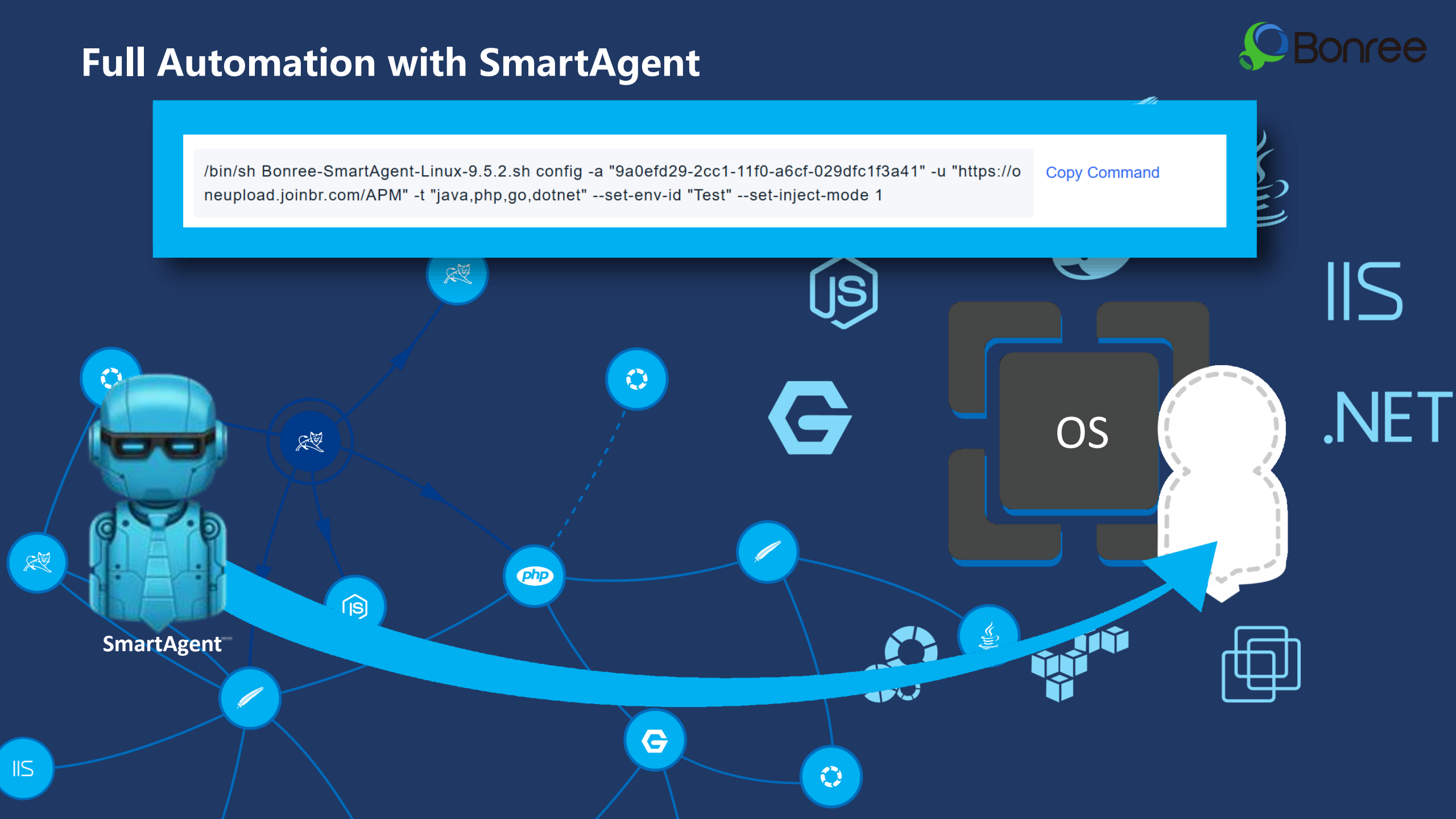
- **Languages support:** **Java, .Net, .NetCore, PHP, Python, Golang, C/C++**
- **Automated data collection:** **Automatic discovery, instrumentation**, covering **200+** technology stacks
- **Unified data model:** **End to End Fullstack** coverage, ensuring everyone accesses a consistent '**Single Source of Truth**', without the need to switch between siloed tools and data
- **Future-proof scalability:** Deployable on **ON-Prem** or **SaaS**, self upgrades, flexible configuration, on-demand orchestration, and loading
- **Multi-source technology stack:** **Preload, eBPF, Instrumention, Web Hook, etc.**
- **Ecosystem compatibility:** adhering to the open-source standard **OpenTelemetry**

- Fastest time to observability with zero configuration.
- Say goodbye to changing code, container images, scripts or deployments.
- Unified agent continuously auto-adapts to your ever-changing environment.

Full Automation with SmartAgent

```
/bin/sh Bonree-SmartAgent-Linux-9.5.2.sh config -a "9a0efd29-2cc1-11f0-a6cf-029dfc1f3a41" -u "https://oneupload.joinbr.com/APM" -t "java,php,go,dotnet" --set-env-id "Test" --set-inject-mode 1
```

Copy Command



Technology Support (Out of Box)

Bonree

Alibaba Cloud (20) | Alerts (7) | Agent (10) | CMDB (1) | Containers (12) | Data Stores (16) | HUAWEI Cloud (2) | JDBC (1) | Kubernetes (11) | Logs (1) | Metrics (54) | Message Queues (4) | Middle Wares (3) | OpenTelemetry (1) | SNMP (1) | Traces (3) | Third Party (5) | Tencent Cloud (1) | WebHook (1)

Alibaba Cloud
Alert integration

Apache Kafka
Technical component metrics integration

API Gateway
CMS cloud monitoring index integration

API-Webhook
Push data to ONE-API

Apache Kafka
Get data via message queue consumption

AIX
SmartAgent

Android SDK
RumAgent

Canway ITSM
Metric integration

Canway CMDB
CMDB Integration

ClickHouse
Technical component metrics integration

CoreDNS
Kubernetes plugin integration

CMS Custom Component Access(Apsara Stack)
CMS cloud monitoring index integration

CMS Custom Component Access(Public Cloud)
CMS cloud monitoring index integration

Dmdb
Technical component metrics integration

Docker
SmartAgent

Exporter (Created 2)
Technical component metrics integration

Elasticsearch
Technical component metrics integration

ETCD
Kubernetes management components integration

Elastic Public IP Address
CMS cloud monitoring index integration

Elasticsearch On K8S
CMS cloud monitoring index integration

Huawei Cloud
Alert integration

Hologres
CMS cloud monitoring index integration

Huawei Cloud Custom Integration
Huawei Cloud CES Metric Data Integration

Harmony SDK
RumAgent

IOS SDK
RumAgent

JVM
Technical component metrics integration

JDBC
Database Data Ingestion

Kubernetes API Server
Kubernetes management components integration

Kube Controller Manager
Kubernetes management components integration

Kube Scheduler
Kubernetes management components integration

Kube-Kubelet
kubelet

Kube-State-Metrics
Kubernetes management components integration

Lindorm
CMS cloud monitoring index integration

Linux x86/64
SmartAgent

Linux ARM
SmartAgent

MySQL (Created 1)
Technical component metrics integration

MongoDB
Technical component metrics integration

MySQL
CMS cloud monitoring index integration

MongoDB
CMS cloud monitoring index integration

MaxComnute
CMS cloud monitoring index integration

Mini Program SDK
RumAgent

Nginx
Technical component metrics integration

Nginx Ingress Controller
Kubernetes plugin integration

Node Exporter
Kubernetes basic monitoring

NAS
CMS cloud monitoring index integration

NAT Gateway
CMS cloud monitoring index integration

Oracle
Technical component metrics integration

OSS
CMS cloud monitoring index integration

OpenTelemetry
Protocol-compliant metric integration

Prometheus (Created 1)
Monitoring platform metrics and alert access

PostgreSQL (Created 1)
Technical component metrics integration

PodMonitor
K8S dynamic metrics collection

PostgreSQL
CMS cloud monitoring index integration

Redis
Technical component metrics integration

RabbitMQ
Technical component metrics integration

RocketMQ
Technical component metrics integration

RedisCluster
Technical component metrics integration

Redis
CMS cloud monitoring index integration

RocketMQ
CMS cloud monitoring index integration

Realtime Comnute Flink
CMS cloud monitoring index integration

SQL Server
Technical component metrics integration

ServiceMonitor
K8S dynamic metrics collection

SLB
CMS cloud monitoring index integration

SNMP Trap
Alert Integration

SkyWalking
Access integration call chains via message queues.

Tencent Cloud
Alert integration

TongWeb
Technical component metrics integration

VPN Gateway
CMS cloud monitoring index integration

Windows
SmartAgent

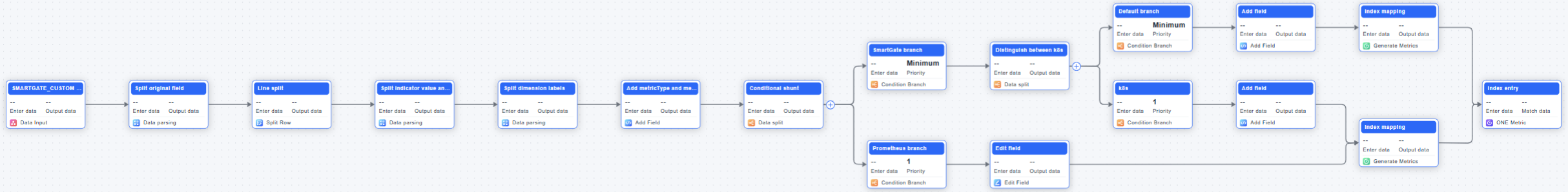
Web SDK
RumAgent

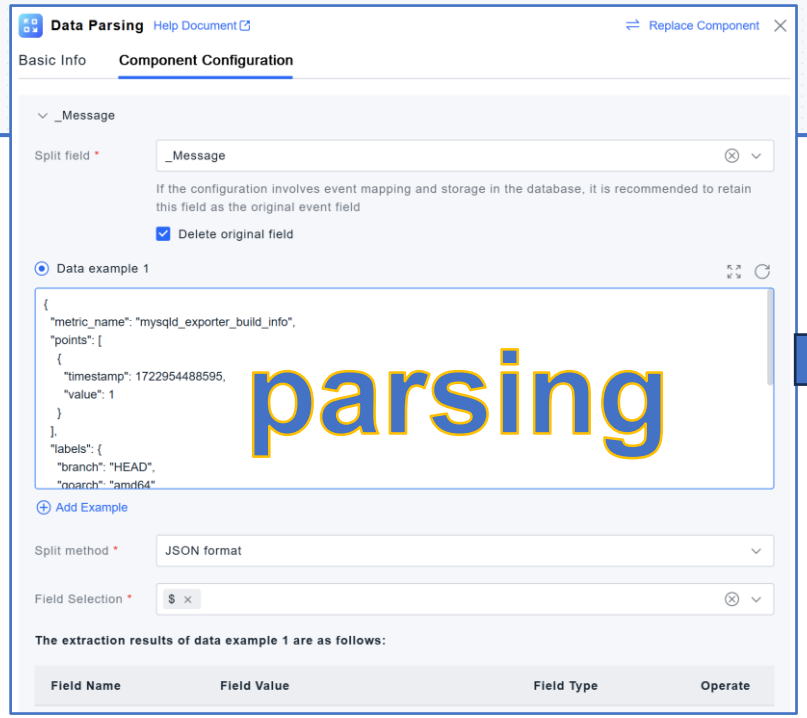
Zabbix
Monitoring platform metrics and alert access

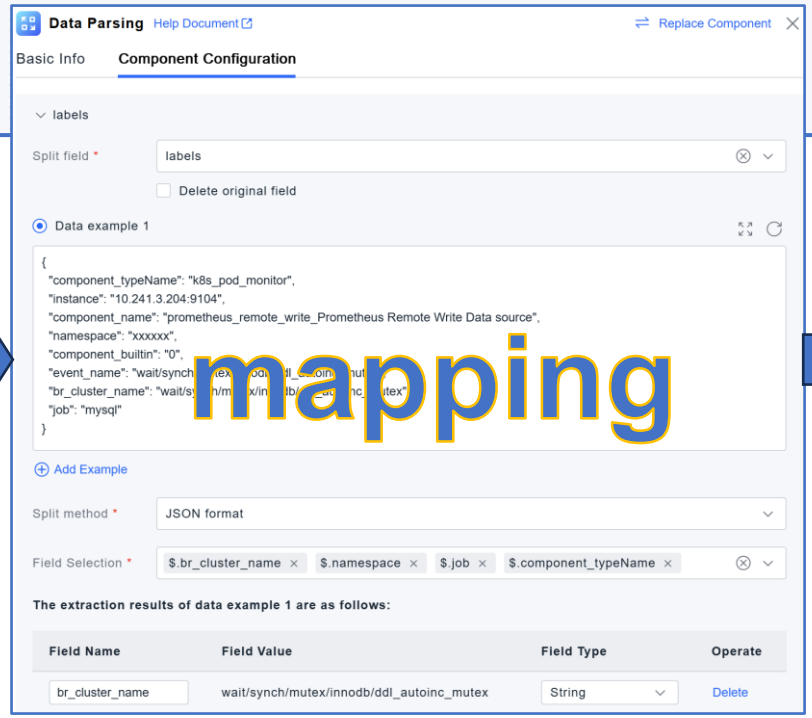
Zookeeper
Technical component metrics integration

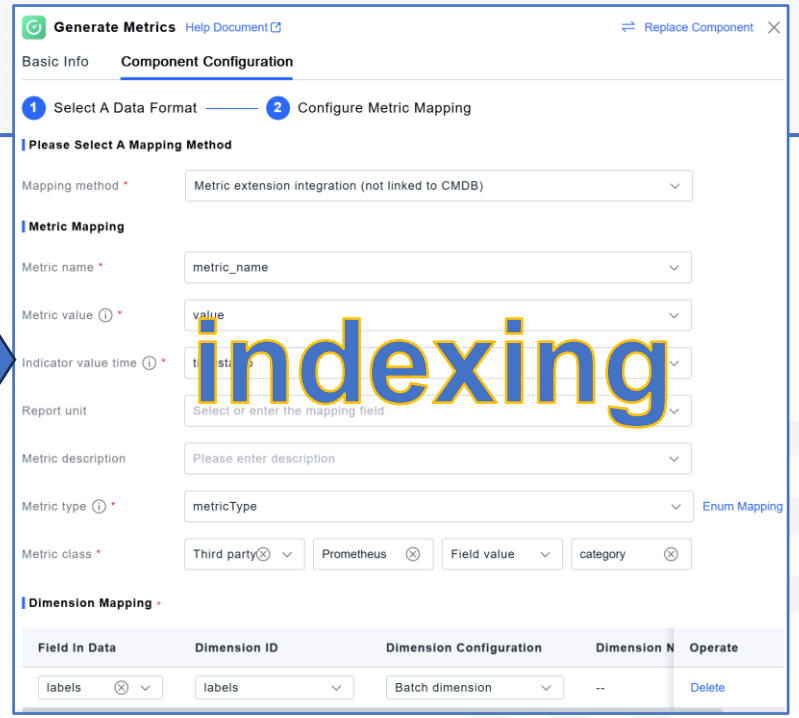
Data Processing by ONE-TEL without Coding

ONE-TEL pipeline



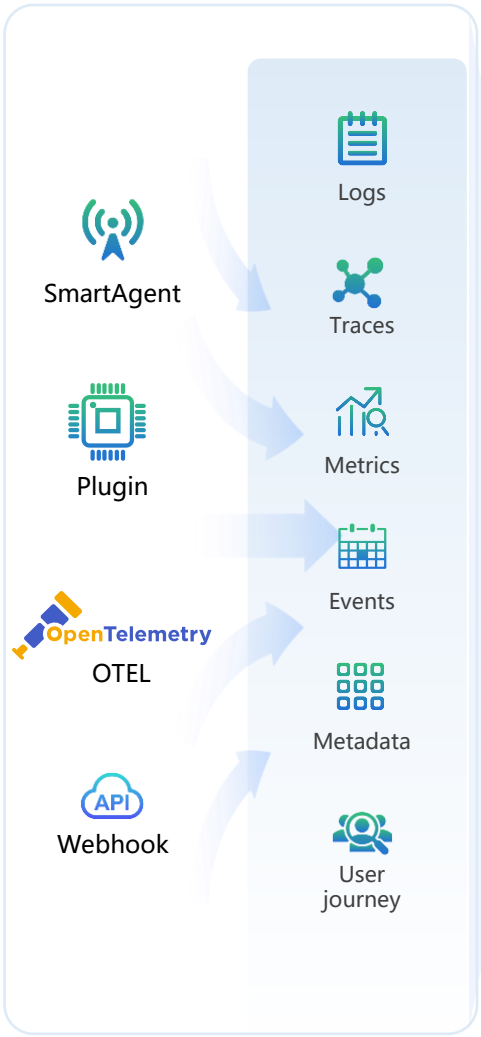




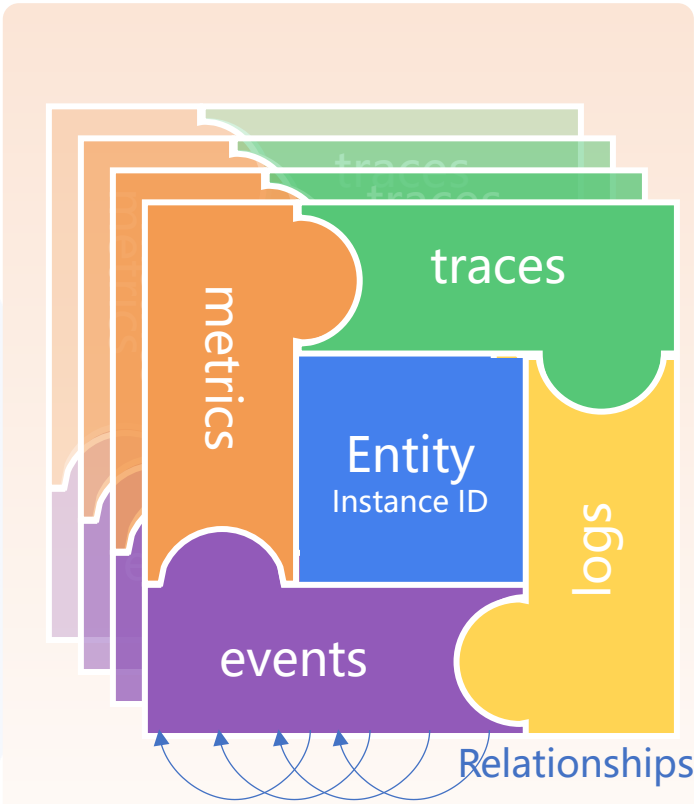


Data Ingestion & Correlation

Date Ingestion

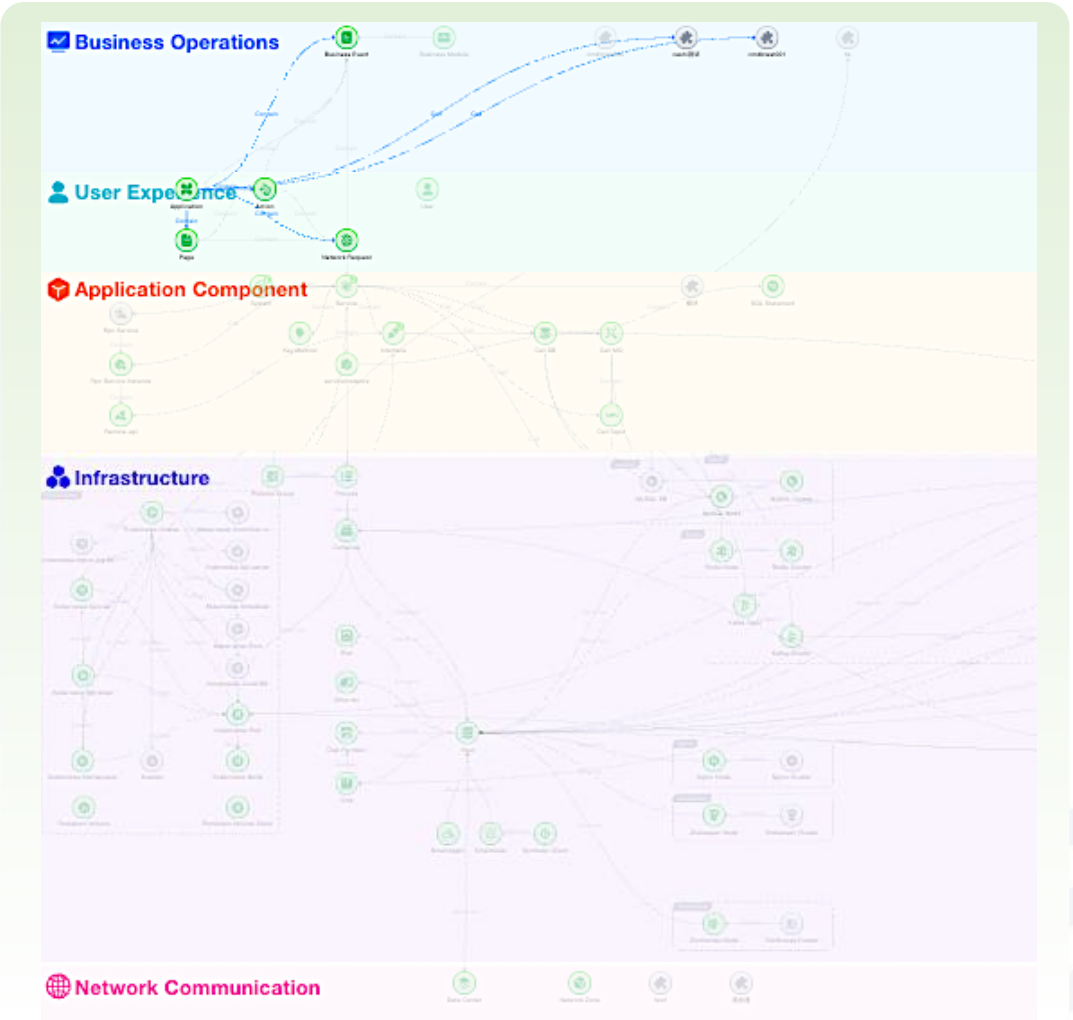


Entity Correlation



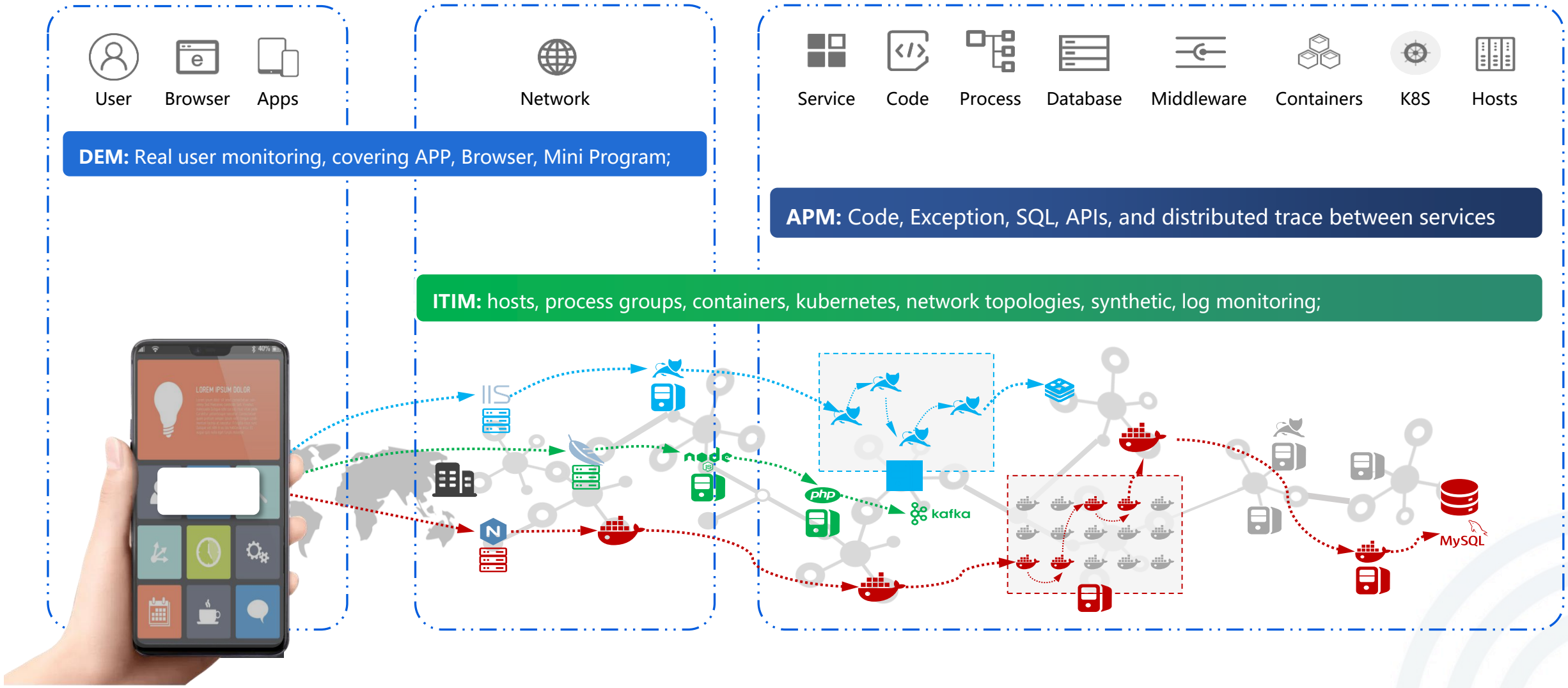
6 models, 147 entities, 1200+ metrics

Topology and Dependency Mapping



Fullstack & End to End Observability

Bonree ONE is capable of collecting observable data from frontend to backend



The Value of Bonree ONE

Bonree

Enhance Efficiency

All-in-One

- Single Agent Deployment with Comprehensive Coverage
- Automated Discovery and Mapping
- Automated Baselining for Threshold

Automation

- Built-in A.I. Engine for Smart Alert
- Built-in Expertise Knowledge for alerting
- Integrated Dashboards and Reports
- Automated Upgrade Mechanisms

MTTD & MTTR

- Alert Convergence: Prevention of Alarm Storms
- Automatic Anomaly Detection and Root Cause Analysis
- Code-Level Diagnostic Information

Reduce Cost

High Scale

- Horizontal expansion cluster architecture
- Supports over 10K application host
- Fully On-Premises
- Data compliance and secure

Less Tools

- End-to-End coverage : All users, all applications, all devices
- Full-stack coverage: All data, all technologies, all architectures
- Single data source vs. Multiple tools with scattered data sources

Case Study

Case Study: ICBC – Mobile App Monitoring

Industrial and Commercial Bank of China (ICBC) is one of the world's top five commercial banks. It offers a wide range of financial services, including deposits, loans and consumer credit, personal savings, issuance and agency services for securities, as well as foreign exchange operations. Its primary customer base spans over 40 countries and regions, holding a significant position in the global financial market.

Issues

- ✓ **Lack of effective failure monitoring tools**, making issue diagnosis difficult.
- ✓ **High complexity and low cost-efficiency** of in-house development.
- ✓ **Difficulty in reproducing user-side issues**, leading to delays providing timely feedback.

Bonree helps	It works
Monitor User Experience	Collect a wide range of client-side exception logs, including crashes, lagging
Monitor Apps Performance	Comprehensively capture performance metrics of application services, mapped to 147 physical entities
Send timely Alerts	**When client-reported issues occur,** ensuring issues are detected **within one minute**

Outcome:

Streamlined the traditionally complex customer complaint handling process—from "User → Customer Service → Operations → R&D" to a direct "User → R&D" model. With user ID and trace data, developers can now quickly identify and resolve issues, **reducing communication time from days to just minutes**.

Case Study: Agricultural Bank of China (ABC)

中国农业银行
AGRICULTURAL BANK OF CHINA

Bonree

Agricultural Bank of China (ABC) is one of the top five commercial banks in China, offering a wide range of financial services including deposits, loans, wealth management, remittances, and credit cards. Its customer base spans both urban and rural areas nationwide.

Issues

- ✓ The former APM platform was **cost-prohibitive and partial coverage**, resulting in blind spots across critical application delivery chain. The bank transitioned to a more scalable and cost-efficient solution to achieve full-stack observability and improve operational efficiency.

Bonree helps	It works
Application Performance Monitoring	data collection across 10+ data centers in 6 regions including Shanghai, Beijing, and Guangdong.
Comprehensive Metrics Monitoring	Monitored 105 key metrics, including web thread pools, and middleware components across cloud and on-prem environments.
Key Transaction Analysis	Analyzed high-latency APIs, methods, and SQL calls to pinpoint root causes, helping DevOps teams accelerate troubleshooting.

Outcome:
Successfully deployed on **10 clusters across different data centers**. Bonree **passed all critical evaluation tests, including agent stability, security, performance overhead, and feature functionality**. Considering technical capabilities, service quality, and commercial cost, Bonree emerged as the most balanced and optimal choice.

Case Study: Cloud QuickPass

Cloud QuickPass is a payment solution launched by **China UnionPay**, designed to provide users with a convenient and secure mobile platform for cashless transactions. With over 500 million registered users, its overall business system is composed of various services developed and delivered by multiple third-party vendors.

Issues

- ✓ Cloud QuickPass **lacks code-level performance monitoring for outsourced systems**, making it hard to identify optimization issues and complicating project acceptance.
- ✓ As the system grows more complex, it becomes **difficult to trace issues and assign responsibility** when failures occur, leaving teams without effective tools for code improvement.

Bonree helps	It works
Fullstack Monitoring	Continuous 24/7 monitoring of application performance for the QuickPass app.
Application Health Scoring	Help improve evaluation efficiency for outsourced systems by scoring.
Fault Domain Isolation	Enabling minute-level alerts, with precise identification of issue responsibility.

Outcome:

By leveraging Bonree ONE's rich set of IT monitoring metrics and intelligent alerting system, **MTTR was reduced from hours to minutes**. A multi-metric application scoring system also **shortened the average MTTI time** for outsourced projects from days to hours, while providing a fair and objective basis for identifying responsible parties and guiding code optimization.


Bonree
Thank You
www.bonree.com

Data Collection Flow