



*YAMU
NETWORKS
CONNECTING
THE
FUTURE*



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> Yamu - Leading DDI Innovator



Yamu Technologies is a leading provider of Internet critical infrastructure resource services in China. Founded in 2003 and headquartered in Shanghai, the company operates three R&D centers in Shanghai, Hangzhou, and Beijing.



Yamu specializes in DDI core network services (DNS, DHCP, IPAM), with a product portfolio covering DNS & identity resolution, IP planning and governance, traffic scheduling and load balancing, cloud-network security and cloud services, big data analytics, and more.



Yamu delivers high-performance, high-availability, secure, and stable critical information infrastructure systems and solutions. These empower clients across Telecommunications, Finance, Education, Government, Manufacturing, Energy, Internet sectors to achieve digital innovation and transformation.



Yamu collaborates with research institutions including the CAS, CAICT, CCSA, and CIIA. Yamu participates in national Internet core technology initiatives related to domain names, addressing cybersecurity threats such as "network countermeasures" and "network service disruptions".

> Yamu - 20 Years Dedicated to DDI

500M+	50%+	10T	30M+
DAU	Internet Request Support	Daily DNS Queries	Single-node QPS
DDI Expertise	Patents & Soft Copyrights	R&D Center	R&D Staff Ratio
20+ Yrs	100+	3	70%+



Map Review No.: GS(2016)1571
Supervised and Issued by the MNR

> Honors & Qualifications *partial*



National-Level
Specialized Elite
SME



Shanghai High-
Tech Enterprise



Leading Shanghai
Software Enterprise



China Institute of
Communications
Science &
Technology Award



Member: Technology
Application
Innovation Working
Committee



Vice Chair: DNS
Working Group,
Tech Innovation
Committee



Member: China
Cybersecurity
Industry Alliance



Member: China
Industrial
Internet Alliance



Member: Shanghai
Industrial Internet
Association



> Success Cases *partial*

Telecommunications



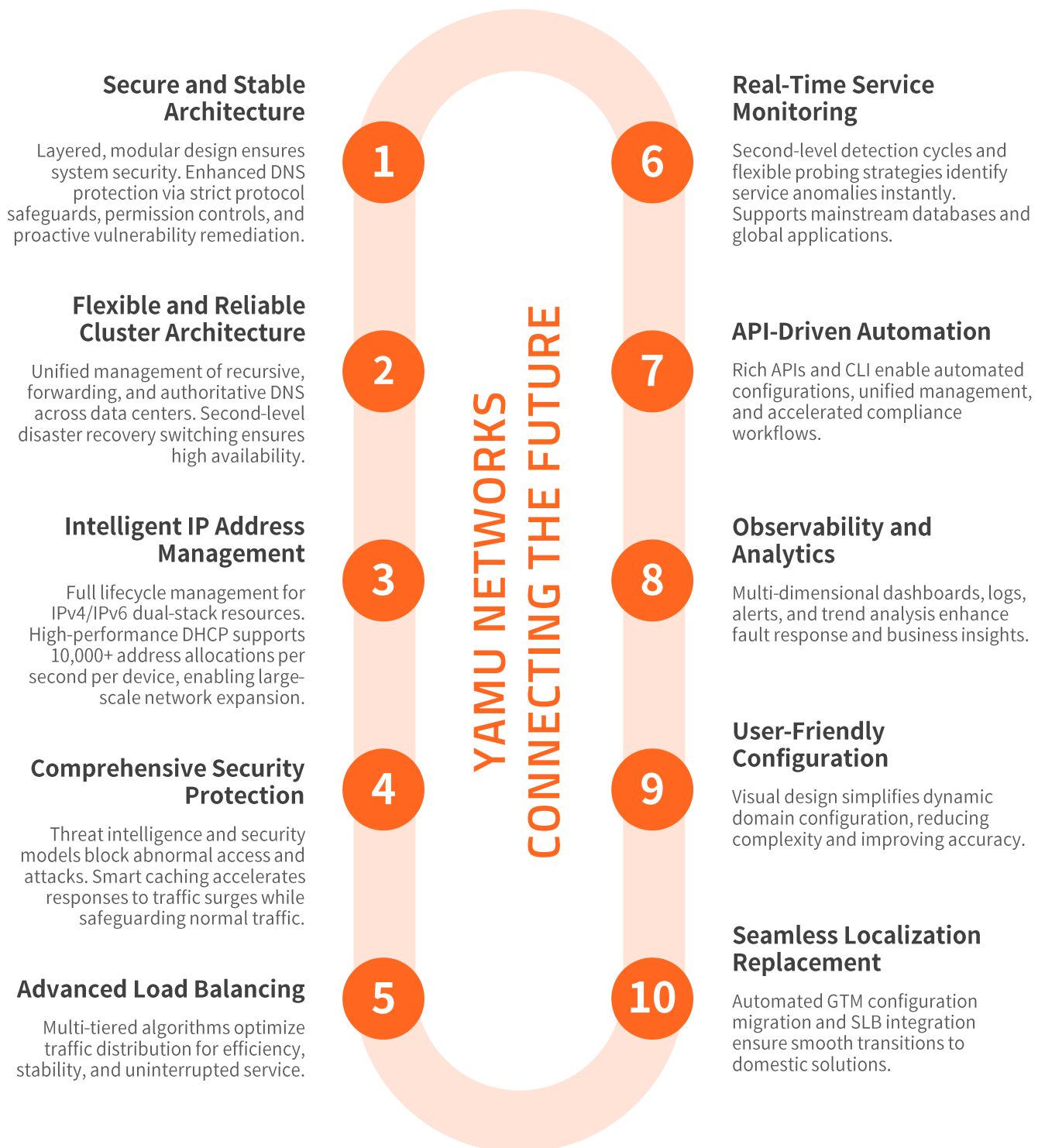
Finance



Others



> Technical Advantages



Product Portfolio

Industries	 Telecoms	 Finance	 Education	 Government	 Manufacturing	 Energy	 Internet	 Enterprises
Scenarios	Telecom-level Infrastructure > Mobile/Broadband User DNS Resolution > Core Network Element Addressing > IMS Network DNS Resolution	Enterprise IT Infrastructure > Resource Naming Transformation > Multi-DC Resource Scheduling > Hybrid Cloud Unified Mgmt & Auto Ops > Network Security & Compliance Audit	Data Element Circulation > Product Quality Lifecycle Mgmt > Corporate Carbon Footprint & Verification > Pharma R&D (Healthcare) > Supply Chain Quality Traceability					
Extended Services	WavePoint Big Data Analytics > Leverages massive DNS data for business trend analysis, compliance reporting, dashboards, and data import/export, uncovering multi-dimensional business value 	YamuCloud DNS Services > Offers Cloud DNS, HttpDNS, Anti-hijacking, and Cloud DDoS Protection, ensuring stable, secure, smart domain-to-IP mapping for optimized access 	Yamu Data Space Services > Covers access control, data security, usage control, audit & provenance, securing data networks and facilitating circulation 					
Core Products	DNSys Telecom-level Solution > Accurate resolution, accelerated access > Intelligent optimization cost reduction > Rock-solid security 	SmartDDI Enterprise-level Solution > Comprehensive network management > Integrated core functions > Proprietary tech leadership 	Smart-X Trusted Data Space Service > Foundational tech innovation & collaboration > Customized application scenarios 					
Market Standing	> Continued Telecom Leadership > Self-reliance: Smooth domestic substitution in premium markets > Global expansion: Steady overseas growth	> Strong Market Position & Growth > Diverse client base across sectors > Building open, win-win ecosystem	> National Infrastructure & Innovation Leader > Core force in national infra; Leads standards & R&D > Industry pioneer: Trusted Data Spaces successfully commercialized					

> Service System

Responsive Efficient Proactive

SLAs

1-hour recovery for Level-1 faults, 2 hours for Level-2, 4 hours for Level-C, 24 hours for Level-D.

Spare Parts

Multi-region warehouses enable quick replacements to minimize downtime.

24/7 Support

Immediate phone assistance, 2-hour remote response, 24-hour on-site support. Quarterly inspections and pre-holiday deep checks.

Event Assurance

DNS health checks, optimization, remote monitoring, and rapid recovery for major events.

ER/DR Drill

Regular drills and emergency response protocols.

Compliance

Tailored reports and guidance for regulatory compliance.

Resilient Comprehensive Compliant

Professional Standardized Secure

Certified Teams

Technicians hold IT certifications and master DNS, networking, OS, and database expertise.

Carrier-Grade Standards

Telecom-level support, including software updates and maintenance guidance.

Security Training

Strict protocols and client training to strengthen defenses.

Three-Tier Support

Local, regional, and HQ teams ensure rapid issue resolution.

Nationwide Network

Local offices provide on-the-ground technical assistance.

Proactive Maintenance

Routine inspections and preventive measures sustain system stability.

Structured Nationwide Preventive

> Major Events Support *partial*



> Telecom-level Solution – DNSys

DNSys is a telecom-level DNS solution developed by Yamu Tech specifically for telecom operators. Leveraging industry-leading proactive security mechanisms and DDoS attack mitigation technologies, DNSys effortlessly handles tens of millions of concurrent resolution requests, ensuring stable domain system operations. By integrating cache intelligent updates and resolution optimization, it streamlines DNS resolution processes and enhances user network access experiences. Its kernel-mode technology guarantees high performance and reliability, while a unified centralized visual management platform enables real-time service monitoring and efficient O&M management. With its speed, security, stability, efficiency, and controllability, DNSys has become a critical choice for telecom operators to elevate service quality and safeguard network security.



*Actual device images shown are for reference only

High Performance

Kernel-mode resolution engine with proprietary algorithms delivers ultra-low latency and industry-leading processing power, outperforming domestic and international competitors.

High Security

Multi-layered protection defends against DDoS, recursive attacks, amplification attacks, and other DNS threats, ensuring service reliability.

High Availability

Distributed DNS nodes via Anycast deployment, coupled with ultra-large cache mechanisms, maximize cache hit rates and service uptime.

Intelligence

Smart resolution returns optimal results based on user attributes, optimizing network access efficiency with rich domain tuning and control tools.

Visibility

The DMS domain management platform provides real-time monitoring, alerts, and data analytics for full-service transparency and control.

> Customer Value – DNsys



DNsys: Employs leading DDoS protection and security tech, handles high concurrency, optimizes resolution, uses kernel-level tech for high performance, and offers centralized management. Ensures secure, efficient, reliable, and stable DNS for operators.

1

Kernel-mode resolution and high-concurrency handling eliminate DNS bottlenecks, preventing network congestion.

Enhances Resolution Efficiency

2

Protects operator DNS systems from attacks, ensuring business continuity, data security, and minimizing downtime risks.

Ensures System Security

3

Rapid processing of massive requests reduces latency and bandwidth consumption, boosting user speeds and satisfaction.

Improves User Experience

4

Flexible DNS configuration, real-time monitoring, and rapid issue resolution empower operators with granular management.

Strengthens Control

5

Higher cache hit rates and resource utilization lower backend load, energy consumption, and operational expenses.

Reduces O&M Costs

6

Blocks DNS attacks to meet regulatory requirements and adapt to evolving cybersecurity challenges.

Compliance Assurance

> Key Features – DNsys

High-Performance Resolution Engine

- > Kernel-mode DNS protocol algorithms minimize latency and maximize efficiency. Outperforms competitors in processing power, security, and resource efficiency, reducing hardware needs and energy costs.

1

Cache-Recursion Separation

- > Decouples cache and recursion to prevent performance degradation during query surges. Intelligent query merging and rate limiting reduce backend pressure, ensuring stability even under heavy loads.

2

Regional Caching & Smart Updates

- > Enables region-specific recursive servers and proactive cache updates for popular domains, reducing latency and boosting cache hit rates from 90% to 98%.

3

Intelligent Resolution

- > Customizes results based on user location and ISP, minimizing cross-network traffic, lowering bandwidth costs, and accelerating user access speeds.

4

Key Features – DNsys

Multi-Layered Security

- > Defends against DDoS reflection, spoofing, cache poisoning, and amplification attacks with comprehensive, multi-dimensional protection.

5

Advanced Protection Mode

- > Automatically switches to pre-recorded response samples during severe DDoS attacks, ensuring service continuity and availability.

6

Forwarding Control & Forced Resolution

- > Granular forwarding policies and bulk forced resolution rules meet compliance and flexible scheduling needs.

7

Centralized Visual Management

- > DMS platform enables unified configuration, real-time monitoring, alerts, and analytics across all DNS devices via a web interface.

8

> Enterprise-level Solution – SmartDDI

SmartDDI is Yamu Tech's next-gen integrated DDI solution, combining DNS, DHCP, and IPAM with enterprise-grade hardware and distributed software architecture. It delivers intelligent domain scheduling, security detection, dual-stack addressing, diverse deployment modes, one-click O&M, and visual management. Designed for Finance, Education, Government, Manufacturing, Energy, and Internet sectors, it supports private networks, hierarchical network control, core system deployment, disaster recovery, seamless failover, and IPv6 migration. SmartDDI provides secure, highly available, scalable, and intelligent core network services to drive modernization and digital transformation.



*Actual device images shown are for reference only

Unified Integration

Seamless synergy of DNS, DHCP, and IPAM simplifies O&M and boosts network performance.

Automation

Reduces manual intervention with intelligent workflows for precise network control.

Security

Blocks DNS/DHCP attacks and enhances compliance with robust threat defense.

Scalability

Flexibly expands with business growth while maintaining operational efficiency.

Visibility

Real-time monitoring and analytics enable rapid issue detection and resolution.

> Customer Value – SmartDDI



SmartDDI: Integrates DNS, DHCP, and IPAM for smart, secure, and efficient network management. Simplifies operations, enhances security, ensures business continuity, and enables flexible adaptation.

1

Simplifies Network Management

Unified visibility and control streamline infrastructure operations.

2

Boosts Operational Efficiency

Minimizes errors and costs, freeing resources for core business priorities.

3

Optimizes Business Agility

Stable networks accelerate response times and enhance digital experiences.

4

Ensures Business Continuity

Reduces downtime and strengthens network resilience for sustained growth.

5

Fortifies Security

Mitigates risks from DNS/DHCP attacks and ensures regulatory compliance.

6

Future-Ready Scalability

Adapts to evolving demands, enabling innovation and long-term success.

> Key Features – SmartDDI



Domain Resolution

- > Standard resolution for A, AAAA, PTR, CNAME, MX, SRV, and NAPTR records.
- > Flexible policies: Redirects, record sorting, multi-view resolution, and dual-stack control.
- > Intelligent traffic scheduling based on ISP data, with regular updates for accuracy.
- > Real-time monitoring and automatic failover to ensure service continuity.



Security Protection

- > Multi-tiered defense against DDoS, tunneling, cache poisoning, and malformed traffic.
- > Threat intelligence integration blocks malicious domains in real time.
- > DNSSEC validation prevents tampering and ensures resolution integrity.
- > Granular access controls, rate limiting, and detailed audit logs.

> Key Features – SmartDDI

Global Load Balancing



- > Cross-data center traffic optimization for low latency and high availability.
- > Geo-aware, load-based, and network-quality-driven scheduling algorithms.
- > Real-time server health monitoring with sub-second response to anomalies.
- > High-precision IP database updates for accurate resolution.

IP Address Management



- > Full lifecycle management for IPv4/IPv6, including allocation, recycling, and conflict detection.
- > Dynamic addressing with high availability and rapid response.
- > Address pool monitoring, threshold alerts, and flexible allocation policies.
- > Visual dashboards for simplified, granular IP resource control.

> DNS Cloud-based Service Solution – YamuCloud

YamuCloud is Yamu Tech’ s next-generation integrated DNS cloud service solution, combining cloud resolution, monitoring, and protection. Powered by intelligent analytics engines and big data technologies, it delivers fast, flexible, secure, and intelligent DNS cloud services. Supporting end-to-end management—pre-incident monitoring, in-process response, and post-event analysis—it enables smart domain scheduling, disaster recovery, anti-hijacking, and more. Designed for high-traffic websites, complex systems, and organizations demanding exceptional user experience, speed, security, and stability.

Pre-Event Monitoring

- Global DNS Monitoring
- Critical Infrastructure Drills
- Internet Authority Monitoring
- Architecture Consulting

Real-Time Response

- DNS Emergency Failover
- Hybrid DNS Operations
- Dynamic DDoS Protection
- Malicious Domain Blocking

Post-Event Analysis

- Global User Behavior Analytics
- Critical Domain PassiveDNS
- Failure Diagnostics
- Security Incident Correlation

Unified Platform

Full lifecycle management from monitoring to resolution optimization and security upgrades.

Intelligence

Dynamically selects optimal resolution paths and servers to reduce latency and enhance load balancing.

Flexible Deployment

Adapts to diverse network environments and business needs with modular services and scalable options.

Multi-Layered Security

Global intelligent DNS and threat detection mechanisms block risks in real time, ensuring business continuity.

High Availability Assurance

Cloud-based authoritative failover, emergency takeover, ISP cache purging guarantee uninterrupted DNS services.

> Customer Value – YamuCloud

YamuCloud: An intelligent DNS solution integrating cloud DNS, monitoring, and protection. Optimizes domain management with high performance, availability, and scalability to ensure business continuity and security.



Ultra-Fast Experience

1

Optimized network performance, reduced latency, and accelerated application response elevate user satisfaction.

Seamless Continuity

2

Instant cloud takeover during local DNS failures minimizes downtime and ensures rapid recovery.

Comprehensive Protection

3

Real-time monitoring shields DNS from attacks, hijacking, and data breaches.

Cost Efficiency

4

Eliminates upfront hardware investments, reduces manual intervention, and simplifies O&M.

Agile Scalability

5

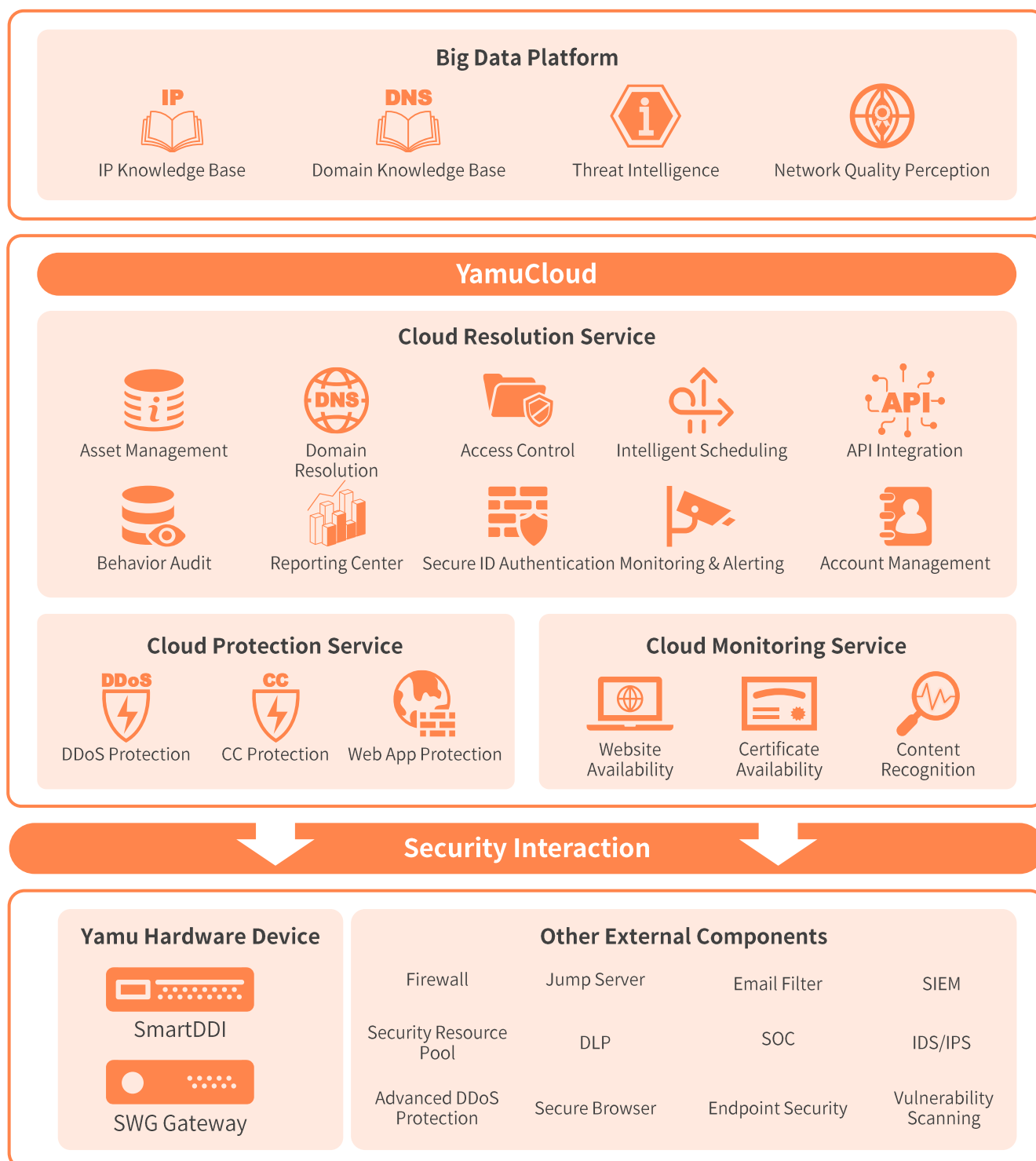
Rapid deployment, modular customization, and elastic scaling meet evolving demands.

Easy Integration

6

Effortless compatibility with existing IT systems and customizable development options.

> Functional Layout - YamuCloud



> Key Features – YamuCloud

YamuCloud Resolution delivers integrated Internet domain resolution services, enabling multi-dimensional intelligent DNS resolution to enhance user experience, reduce operational complexity, and provide fast, stable, and highly available DNS resolution.

- > Intelligent Resolution
- > Global Load Balancing
- > HTTPDNS
- > Custom Routing Policies
- > Data Visualization
- > Disaster Recovery Switching
- > SaaS-Based Service



YamuCloud Monitoring offers comprehensive oversight of network quality, domain hijacking, page performance, and website certificate security. Through SMS, email, and other alert channels, it promptly notifies users of domain-related security issues to safeguard business stability.

- > Domain Health Check
- > Domain Tampering Monitoring
- > Domain Certificate Detection
- > Certificate Lifecycle Monitoring
- > Node Monitoring
- > Network Quality Measurement



YamuCloud Protection provides multi-node intelligent domain resolution and robust security capabilities, defending against large-scale DNS DDoS attacks. It ensures service continuity through authoritative resolution and emergency takeover mechanisms.

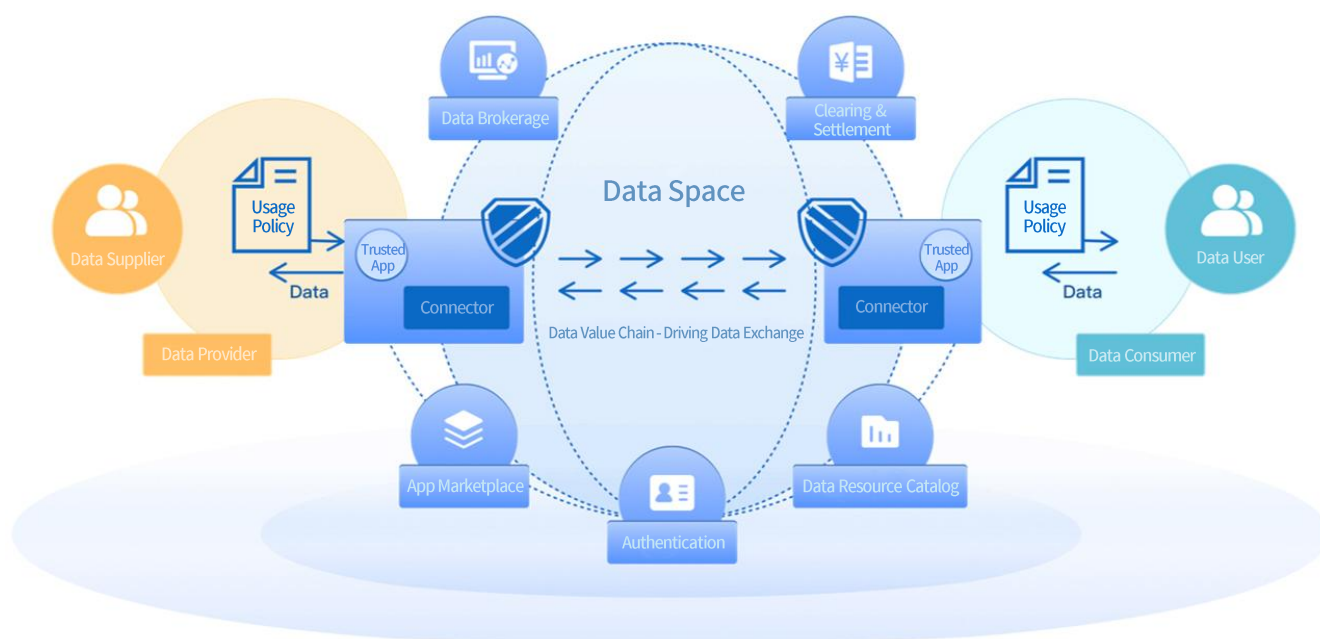
- > Real-time Monitoring and Defense
- > Intelligent Routing
- > Global Defense
- > Intelligent Protection
- > Origin Protection
- > Origin Offloading



> Trusted Data Space Service System - Smart-X DataSpaces

Smart-X DataSpaces is Yamu Tech's trusted data space framework, enabling secure data circulation and value creation. By integrating identity wallets, blockchain, smart contracts, and privacy-preserving computation, it builds mutual trust systems and safeguards raw data control. Leveraging identifier resolution as a data carrier, it addresses critical challenges in data resource utilization—environmental security, process credibility, data sovereignty, ownership, and revenue sharing—to secure data networks and accelerate data-driven innovation.

Yamu Trusted Data Space Service System



- Data Trustworthiness** Blockchain and smart contracts ensure immutability; privacy tech protects sensitive data.
- Data Interoperability** Semantic interoperability bridges systems for seamless cross-platform data flow.
- Data Control** Distributed management empowers owners to define usage scope and permissions.
- Data Security** P2P exchange networks enable secure data sharing without compromising ownership.

> Customer Value – Smart-X DataSpaces



Smart-X DataSpaces: A data space service using security mechanisms, identity wallets, and blockchain to build trust. Solves key data flow challenges, enabling secure, trustworthy, and controlled data circulation for Enterprise and Government digital and intelligent transformation.

1

Ensuring Data Integrity & Security

Blockchain technology guarantees data immutability, while privacy computing protects sensitive information. Strict identity authentication and access controls provide multi-layered security throughout data storage, processing, and analysis, ensuring business security and continuity.

2

Enabling Trusted Data Exchange

Users operate within a standardized exchange environment. Technologies like trusted environments, verified applications, and blockchain ensure fairness and transparency. Users can trust that exchanges originate from verified third parties, reducing collaboration risks and fostering wider business partnerships and innovation.

3

Breaking Down Data Silos

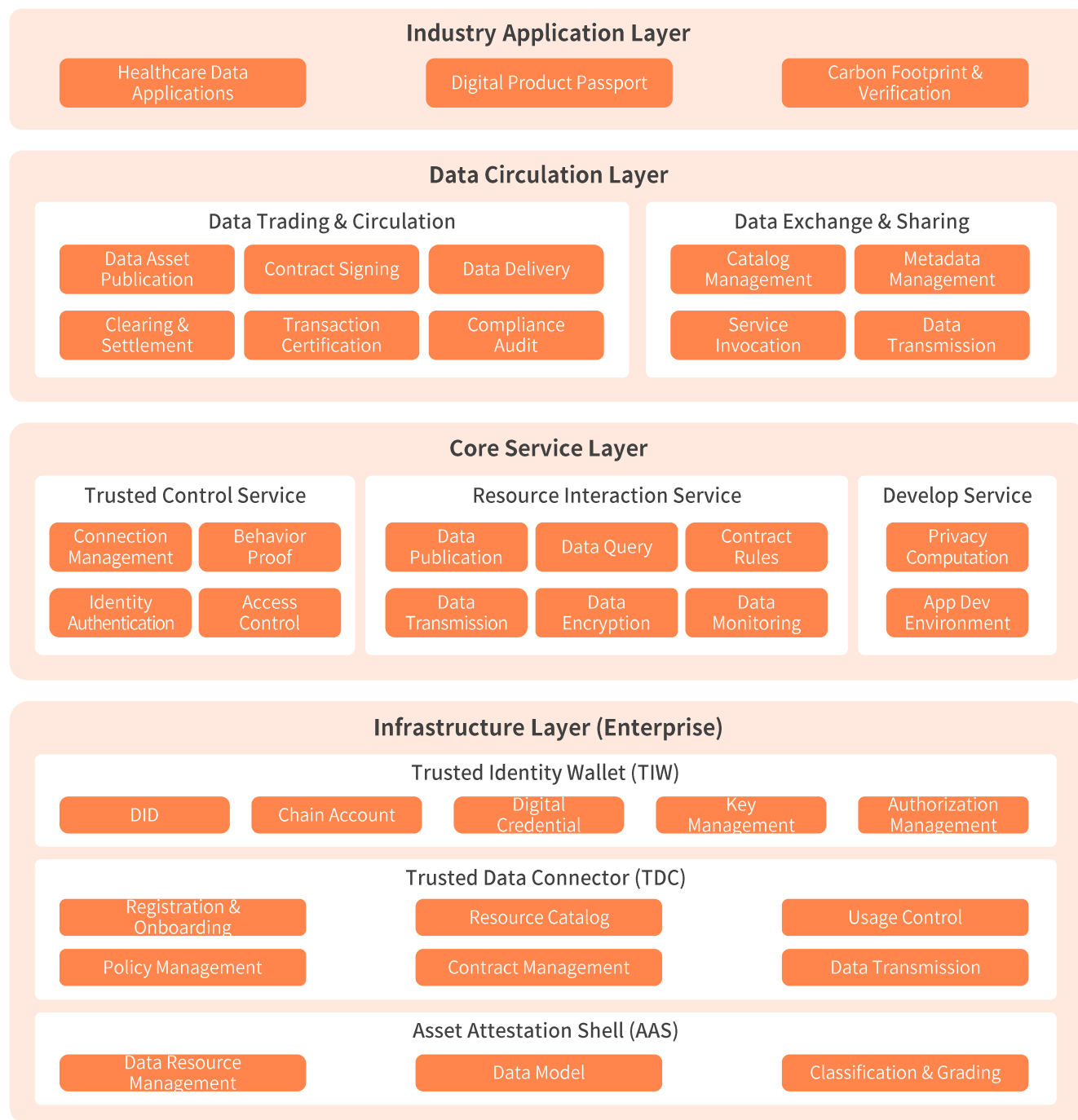
Standardized interoperability frameworks and distributed exchange technologies overcome data silos. They enable seamless data flow across different formats and protocols, boosting exchange efficiency, lowering operational costs, and providing users a crucial time-to-market advantage.

4

Empowering Data Control

Trusted Data Spaces give users control over their data. They can set clear usage rules and restrictions before sharing, ensuring data consumers only utilize it within permitted boundaries. This enhances data protection capabilities and increases willingness and flexibility for collaboration.

> Product Architecture - Smart-X DataSpaces



> Key Features – Smart-X DataSpaces



Identity Wallet

- > Managed Identity Wallet (MIW) provides digital identity authentication and tamper-proof evidence storage.



Data Connector

- > Policy Configuration: Define data usage scope, methods, and duration to enforce sovereignty.
- > Smart Contracts: Negotiate and automate data-sharing terms between providers and consumers.
- > Usage Controls: Enforce access restrictions based on contract terms.
- > Asset Catalog: Manage data assets with tagging, editing, and deletion tools.
- > Secure Transfer: End-to-end encrypted data transmission.



Data Modeling

- > Customizable data templates for tailored business needs.
- > Business data entry via templates.
- > APIM Management: Configure access policies for API endpoints.



Applications Marketplace

- > Apps require review before release to ensure security and trustworthiness.
- > Container-based management ensures efficient resource use and stable operation.
- > Specific trusted apps access specific data, making data usable but not visible.
- > Isolated environments and access controls ensure data does not leave the domain.



Trusted Desktop Agent

- > Controlled desktop applications are required to access file-type data.
- > Access can be restricted to read-only (no copying, sending, saving-as, printing, or screenshots).
- > The number of accesses can be restricted.
- > An expiration time can be set.
- > Data can be set to delete after access.



Privacy-Preserving Computation

- > Universal framework for secure data analysis without exposing raw information.



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