Cognizant Neuro® AI Enterprise Core

The Central Nervous System for Enterprise AI

Cognizant Neuro® Ai Enterprise Core is a comprehensive platform that unifies AI services, enterprise business processes, and intelligent multi-agent orchestration (powered by Cognizant Neuro® SAN). By integrating MCP and AI services provided by leading enterprise platforms along with custom services built by Cognizant teams and other ecosystem partners, this platform will help address both business & IT operations deliver exceptional value through a comprehensive approach that combines Cognizant's process expertise and AI offerings.

185+
AI Services

2,180+
Business Processes

10+
Process Modules

Finance, HCM & SCM processes

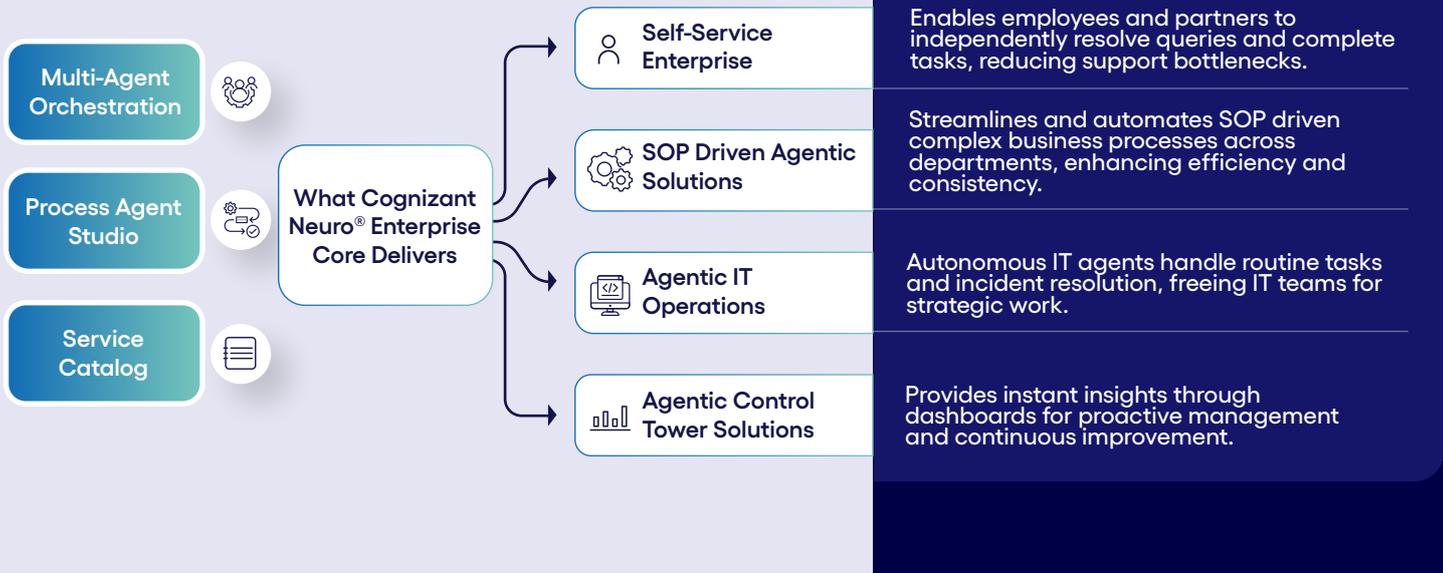## Capabilities and Use Cases

Service Catalog

- Seamless access to key MCP and AI services from the enterprise application platform partners (SAP, Oracle, Pega, Workday, etc) as well as custom-built ones, facilitating more efficient agent networks.

- Rich metadata and configuration management

- Service categorization and tagging

Process Agent Studio

- Create an Agentic network using AI agents for SCM, Finance, and HCM business processes

- Monitoring of service dependencies

- Enhancement of network agent prompts through integration with enterprise processes

Multi-Agent Orchestration

- Advanced service orchestration powered by Neuro - SAN

- Coordinated multi-agent interaction leveraging the adaptive AAOSA protocol

- Real-time discovery and routing of services

- Declarative configuration of agent networks

Enables employees and partners to independently resolve queries and complete tasks, reducing support bottlenecks.

Streamlines and automates SOP driven complex business processes across departments, enhancing efficiency and consistency.

Autonomous IT agents handle routine tasks and incident resolution, freeing IT teams for strategic work.

Provides instant insights through dashboards for proactive management and continuous improvement.

Platform Features

- User-friendly, modern interface with support for theme contexts
- RESTful API accompanied by detailed documentation
- Robust caching layer for enhanced performance
- Deployment via containerization
- Scalable architecture based on microservices
- Real-time visualization of all enterprise processes
- Effective network agent management
- MCP Server Integration (Command & HTTP)
- Langchain Tools Integration
- Database connectivity options
- Agent Network Designer
- HOCON-based configuration management
- Role-based access control mechanisms
- Service validation and quality assurance
- Configuration version control
- Comprehensive audit logging and traceability
- Data encryption both at rest and during transmission

Value Proposition

Operational Efficiency
Reduce time-to-discovery for AI services by 80%. Centralize service management and eliminate silos.

Innovation Acceleration
Rapidly compose and deploy multi-agent systems. Reduce development time for AI solutions.

Strategic Alignment
Connect AI investments directly to business processes. Enable data-driven AI strategy decisions.

Enterprise Scale
Built for high availability, scalability, and performance. Production-ready architecture.