Artificial intelligence agents for federal missions

Accelerating federal transformation with the next generation of automation

Artificial intelligence agents, which autonomously perform tasks and make decisions, are growing in power and bringing transformative potential to federal operations.

CGI designs and deploys mission-ready AI agents for rapid deployment. Our curated library of fully featured AI agents is purpose-built to address complex federal challenges—from cybersecurity and fraud detection to asset visibility and administrative modernization. Each agent is engineered to integrate seamlessly into your agency's IT and operational environment, helping you reduce inefficiencies and enhance decision-making at scale.

CGI offers AI agents to assist agencies in several important ways:

- **Customizable selection:** AI agents are designed and tailored to address different aspects of your operations and mission requirements, ensuring strategic alignment with the agency's mission and goals.

- **Scalability:** The library paradigm allows agencies to start with a few key AI agents and expand their use over time. As the agency's needs evolve, additional agents can be integrated seamlessly, ensuring continuous improvement and adaptation.

- **Cost-effectiveness:** Because we can rapidly build agents to meet your unique demands, agencies can prioritize their investments based on their most urgent needs, funding and available resources.

- **Rapid deployment:** The agents are designed for quick and easy deployment, minimizing the time and effort required to integrate them into existing systems. The return on investment begins almost immediately, with the agents addressing urgent challenges and labor reductions, and improving operational efficiency with minimal delay.

- **Adaptability:** We build agents to be adaptable and technology agnostic, capable of evolving with the agency's changing needs. This adaptability ensures that technology remains relevant and effective over time, providing long-term value and avoiding technical debt.

Strategically aligned AI agents to meet diverse mission needs

Mission/Functional Area	Overview
Cybersecurity	• Focus: Threat detection, SOC automation, alert triage, and cyber risk forecasting. • Example Agents: *SOC TriageBot*, *AI Threat Forecast*, *Critical Infrastructure Threat Mapper*, *Phishing Simulation Analyzer*, *Zero-Day Vulnerability Watchdog*
Fraud, Waste and Abuse	• Focus: Detecting improper payments, duplicate benefits, vendor fraud, and procurement anomalies. • Example Agents: *Claims Anomaly Detector*, *Duplicate Invoice Detector*, *Contract Overrun Predictor*
Back-Office Transformation	• Focus: Financial operations, procurement, contract management, and budget execution. • Example Agents: *BudgetForm AI*, *InvoiceMatch AI*, *ContractRisk Scorer*
Total Asset Visibility	• Focus: Digital twins, predictive maintenance, asset lifecycle tracking, and building performance. • Example Agents: *TwinSight*, *AssetPulse*, *Smart Maintenance Forecaster*.
Environmental Protection	• Focus: Environmental monitoring, permitting, EJ (Environmental Justice), and climate resilience. • Example Agents: *Air Quality Forecasting Agent*, *Environmental Justice Risk Mapper*, *Permit Application Summarizer*.
Housing and Urban Development	• Focus: Affordable housing, tenant services, grant compliance, and climate risk to housing. • Example Agents: *Affordable Housing Locator*, *Homelessness Risk Predictor*, *HUD Grants Compliance Checker*.
Interior and Natural Resources	• Focus: Tribal affairs, conservation, land management, and environmental monitoring. • Example Agents: *Wildfire Risk Forecaster*, *Tribal Grant Navigator*, *Species Impact Summarizer*.
Human Capital and Workforce Transformation	• Focus: Federal hiring, workforce analytics, retirement planning, and HR automation. • Example Agents: *TalentMatch AI*, *Workforce Analytics Advisor*, *Federal Resume Coach*.
Tech Stack Capabilities	• Focus: augmenting, enhancing, and optimizing—or adding technology capabilities • Example agents: *Generative AI solutions, custom AI development, edge computing/deployment, hybrid AI-human workflows, cloud and platform services, API and integration , data management, security and governance*