



Accelerating Smart Nation Goals with Denodo’s Logical Data Management Capabilities

Executive Summary

A government’s Smart Nation ambition relies on the rapid, secure, and compliant use of data across government systems. The Denodo Platform, a logical data management solution, delivers AI-ready, real-time data for cross-agency collaboration, digital services, and responsible AI. It can integrate seamlessly with the public sector data ecosystem without disrupting existing infrastructure or compromising data governance.

Modern Data Needs in the Public Sector

- Diverse data systems and decentralized agency datasets
- Resource-intensive data replication and ETL pipelines
- Rising demand for AI/ML and explainable GenAI to improve public services
- Evolving compliance expectations (e.g., PDPA, AI Governance Framework)
- Need for seamless interoperability across an expanding digital government ecosystem

The Denodo Platform – At a Glance

- Real-time access to distributed data across on-premises, cloud, and SaaS systems
- Virtualization with no data duplication
- Role-based security, zero-trust architecture, full audit trails
- Integrated with all major cloud providers
- AI-ready data for GenAI/large language model (LLM) copilots, policy dashboards, natural language processing (NLP) tools

SOLUTION

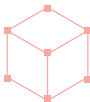
Data marketplace

WEBSITE

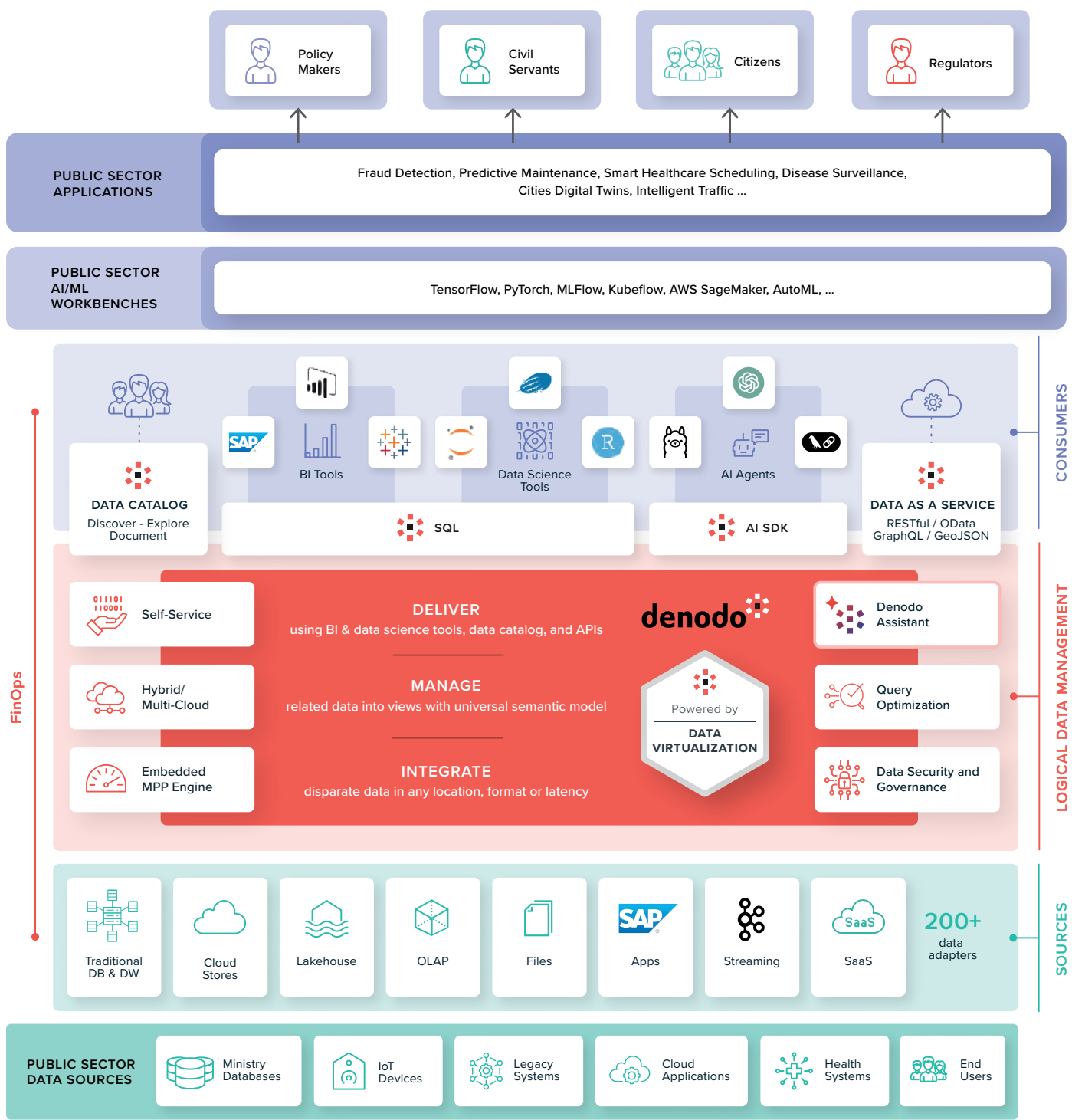
www.denodo.com

PRODUCT OVERVIEW

Denodo is a leader in data management. The award-winning Denodo Platform is the leading logical data management platform for transforming data to trustworthy insights and outcomes for all data-related initiatives across the enterprise, including AI and self-service. Denodo’s customers in all industries all over the world have delivered trusted AI-ready and business-ready data in a third of the time and with 10x better performance than with lakehouses and other mainstream data platforms alone.



Solution Architecture



Use Case Clusters and Examples



SMART NATION AND DIGITAL GOVERNANCE

Denodo Impact: Unified citizen data, AI-enhanced assistants, cross-agency analytics



URBAN INFRASTRUCTURE AND HOUSING

Denodo Impact: Real-time digital twin dashboards, predictive maintenance, energy optimization



HEALTHCARE AND WELLBEING

Denodo Impact: Health data mesh, GenAI for diagnostics, secure federated care data for health data ecosystem



ENVIRONMENT, FOOD AND ENERGY

Denodo Impact: Federated ESG reporting, AI-ready data for weather, carbon, and food safety systems



FINANCIAL GOVERNANCE AND REGULATION

Denodo Impact: Unified financial profiles, LLM-driven compliance summaries, audit-ready data fabric



JUSTICE, EDUCATION AND SOCIAL SYSTEMS

Denodo Impact: Secure cross-agency insights, GenAI summaries, personalized education support

Why Denodo

- Built for public sector trust: Supports PDPA, AI governance
- Proven with Government Commercial Cloud (GCC)
- Reduces time-to-insight from months to days
- No data replication = lower cost, faster deployment
- Powers explainable, secure, and scalable AI in government



Let's Collaborate

Explore how Denodo can help your agency accelerate Smart Nation priorities with secure, governed, AI-ready data.



Denodo is one of the products awarded in the GovTech's bulk tender (Reference No. GVT(T) 20005) for the provision of Data Science (DS) Software and Services to Government Ministries/Departments, Statutory Boards, Organs of State and Participating Entities.

