

VANTI 

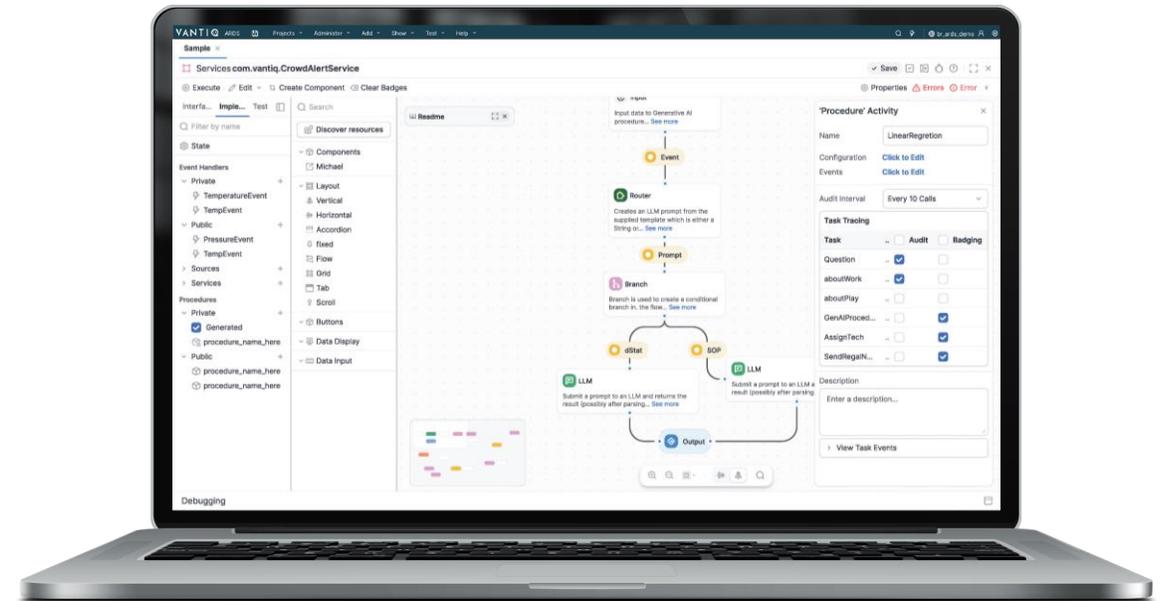
Security Overview

Vantiq runs the platform...

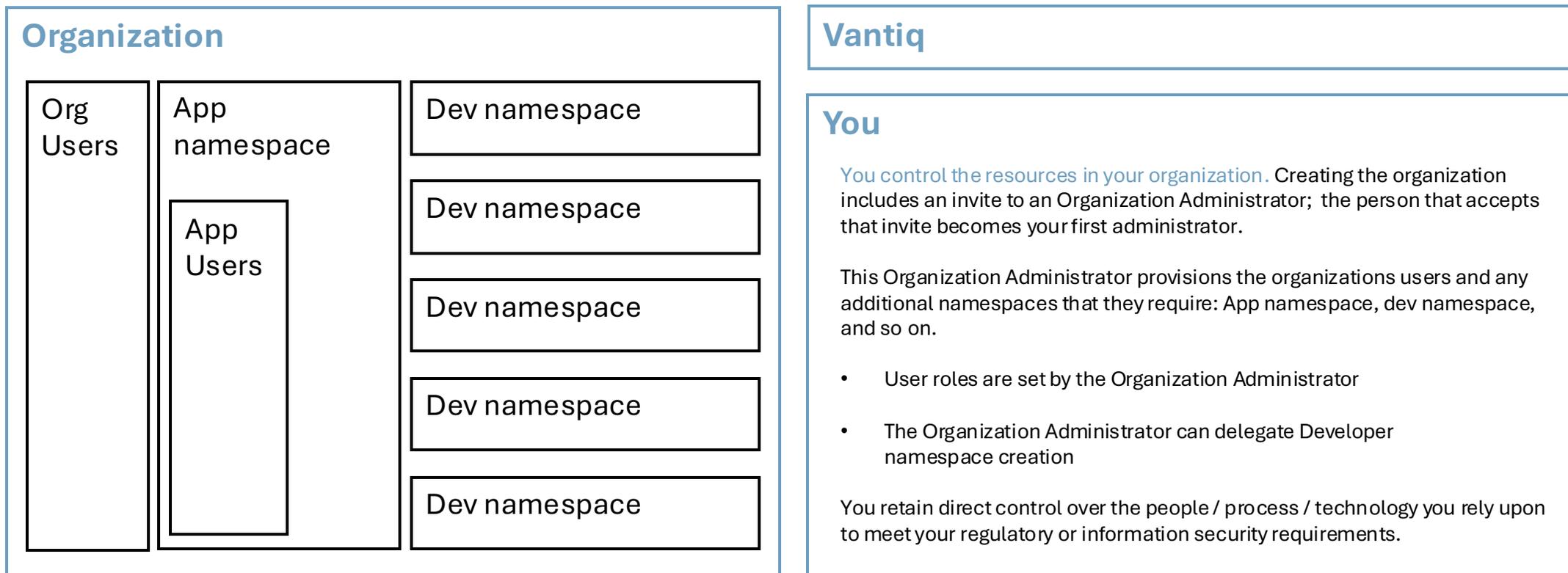
The Vantiq System Administrator enables your organization and invites an Organization Administrator.

You control how the organization operates, including who has access, what data will be used or persisted, and the applications built there.

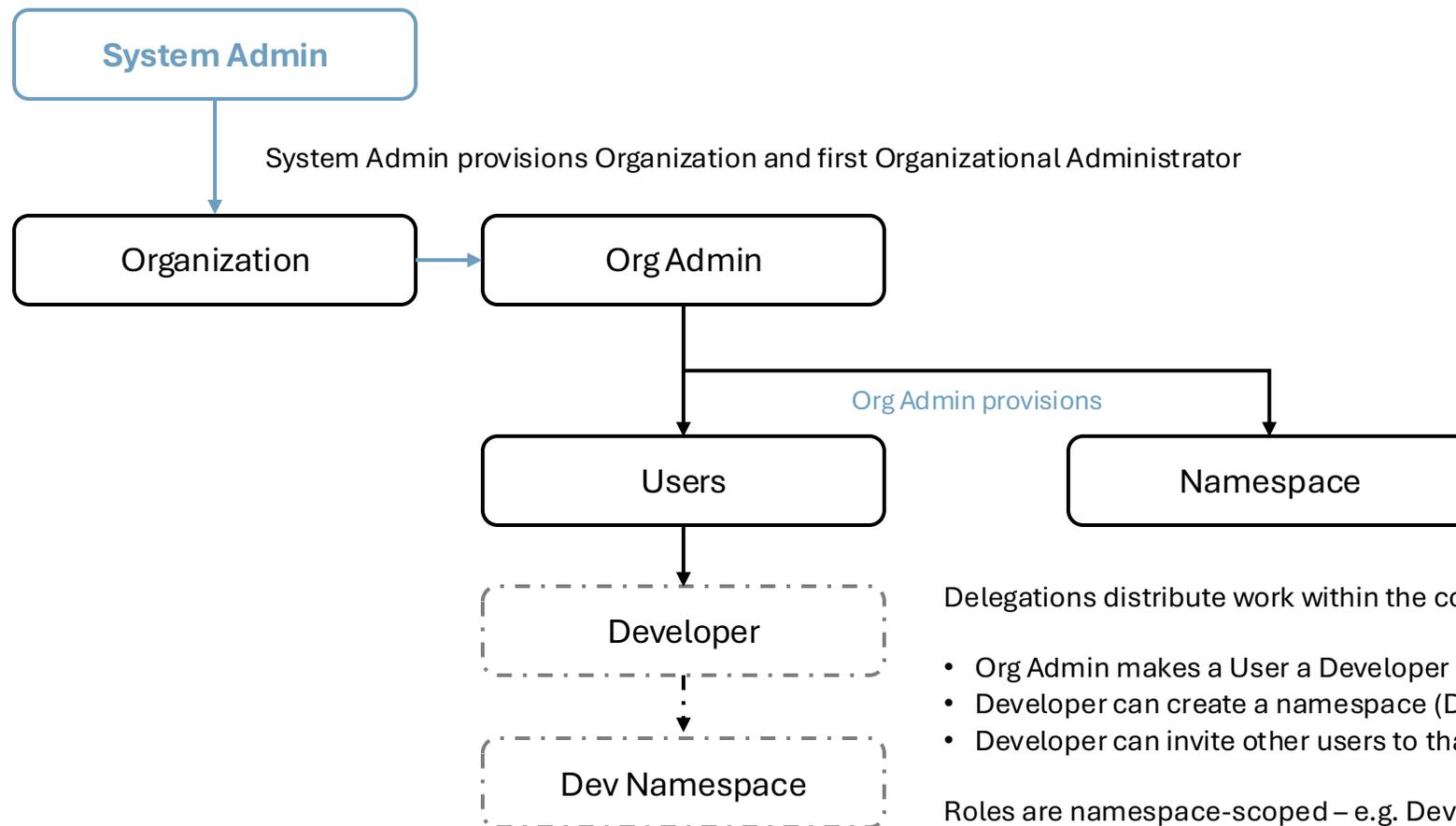
- You retain complete control of users, data, and activities within your Organization.
- You choose whether Vantiq has a role or any rights within your organization.



You control all resources within your organization



Vantiq runs the platform; you control the tenancy and your data



What does the 'workbench' consist of?

Application Services

- **AI Assistant:** interprets user input and provides contextual responses or actions using natural language processing
- **AMQP:** Advanced Message Queuing Protocol
a message-oriented middleware
- **GenAI Flow:** generative AI-driven workflow that automates content creation or decision-making based on dynamic prompts / data
- **HTTPS:** secure communication protocol for web applications
- **MQTT:** a lightweight messaging protocol for IoT
- **Nginx:** acts as SSL terminator and reverse proxy, routing requests to application services
- **REST:** API communication protocol
- **SMS, Email, Push_Notifications:** channels for outbound communication from the application
- **Unstructured URL:** a link pointing to raw or unformatted data sources that may require parsing or transformation prior to use
- **WSS:** WebSocket Secure, real-time communication protocol

Authentication Services

- **Keycloak :** identity and access management (IAM) system
- **OAuth2 :** authorization framework
- **OIDC :** OpenID Connect, an authentication layer on top of OAuth2

Persistent Storage

- **PostgreSQL:** relational database
- **MongoDB:** NoSQL database
- **InfluxBD:** time-series database
- **MySQL:** database used by Grafana.

Management Services

- **Grafana:** visualization and monitoring dashboard (Includes a small MySQL database)
- **kubectl:** management of the lifecycle of services, pods, deployments, and other Kubernetes resources
- **nginx:** traffic management and load balancing

We didn't just design a secure product. We're building a secure company.

We support the security of the platform with an enterprise Information Security Management System (ISMS).

The Vantiq ISMS is bounded by the CIS Controls standards under NIST PRISMA quality assessment. CIS Controls align to the most rigorous information security standards in the market – including NIST SP 800-53, NIST SP 800-171, HIPAA, and CMMC.

Vantiq chose this ISMS structure to meet the regulatory, assurance, and certification standards of our most demanding clients in health care, defense, and other critical infrastructure sectors of the global economy.

If you have specific questions about our ISMS, we are happy to arrange a call with our Head of Security:

Email: ahughes@vantiq.com Phone: (510) 368-1051



Alexander Hughes
Head of Security Vantiq

Former:

- *Director, Cybersecurity and Compliance, Visa*
- *Director of IT and Security, Cruise*

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Thank you