Cortex 6

Data Sheet

Unlock revenue with intelligent AI systems

Cortex 6 makes it easy to turn insights from large scale AI Campaigns and 'Missions', into trusted outcomes. With minimal dependencies on underlying architecture or infrastructure, citizen developers can build intelligent systems quickly and safely—slashing AI development cost and dramatically reducing time to value. With dozens of pre-trained AI Missions, Cortex 6 delivers a next-gen, low-code platform for connecting data and AI models with trusted outcomes.

Build faster, develop cheaper and get better results

The streamlined methodology and simple framework of Cortex 6 empowers low-code developers to build intelligent systems quickly and safely—in 2 weeks or less. Open, extensible building blocks for AI systems convert any data and any model into action for fast time to value.

Save time and money by developing in-house, scale resources, reduce support costs and create reusable assets—all with confidence that trust, and transparency are built into your AI lifecycle.

Design & track goal-driven applications, and unlock value from AI now

Build a new class of AI apps easily with AI Mission Planner, a web-based developer tool to help you meet your goals faster with KPIs based on insight from your data, models and actions. With stronger capabilities around data sourcing, and reduced friction points, you get results instantly.

WHAT'S AN AI CAMPAIGN?

An AI Campaign is made up of several "Missions" to attain a business goal. For example, a Preventive Care Campaign might include several Missions aimed at improving care for high-risk members to reduce cost and improve outcomes.

WHAT'S AN AI MISSION?

An AI Mission is a goal-oriented, intelligent automation program that connects groups of cognitive *interventions*, or recommendations, with bots (RPA, Cognitive and Chat Bots). AI Campaigns are comprised of several Missions designed to attain a business goal.

AI MISSION PLANNER STUDIO

Campaign Designer is simple to use—business users and subject matter experts can achieve success, rinse and repeat. Run simulations, track outcomes and refine results along the way with expert review and feedback.

Drive intelligent recommendations at the right time, via the right channel

Cortex 6 is equipped with a cognitive data layer, powered by our *Intelligent Profile-of-One* and a set of Prediction Engines for identifying intelligent recommendations, or 'interventions'.
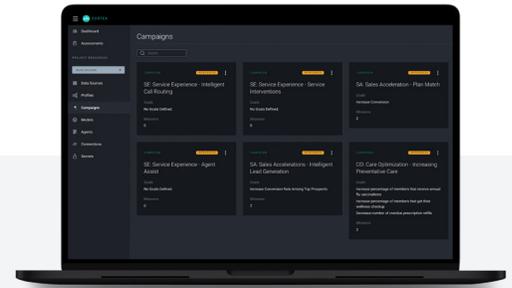
Deliver smart suggestions at the right time on the right channel and boost service, improve efficiencies and send help where it's needed most.

Operate with flexibility and confidence, no matter where you are

Cortex 6 runs on multiple cloud and hybrid cloud platforms—AWS, Azure, RedHat Open Container Platform (RHOCP), and can integrate easily. With quick starts for developers, and comprehensive documentation for system administrators, getting up and running is worry-free.

Mitigating Risk

- We're the first low-code, web-based tool geared towards goal-oriented intelligence automation of knowledge work and digital experiences.

- Single sign-on and role-based access control with external providers ensures you and your data stay safe, no matter what.

- Cortex works on any data, any black box model and any cloud, period.

- Create application templates quickly using synthetic data and Campaign blueprints and run 'what-if' scenarios using a Business Simulator with expert feedback.

- With comprehensive integration tools and support, enablement and methodology through Cognitive University, you'll always have the support you need when it matters most.

What's New in V6?

AI Campaigns & Missions functionality includes AI Mission Design, Simulation, Development, Processing & Governance functionality

Sample Campaigns Customer Engagement, Operational Productivity & Digital Risk Management

Enhanced low-code, web-based tooling for role-based access

Enhancements to Cognitive Data & Profile Engine

Ready to supercharge your AI strategy?

Easier build, smarter recommendations and faster business outcomes.

Learn more at cognitivescale.com

Cortex V6 Product Specification

1. AI Mission Planner: Low-code development platform for building goal driven AI Campaigns and Missions

2. Campaign Designer: Business user friendly tool for defining business goals and KPIs

3. Profile-of-One: high fidelity cognitive data layer powered by knowledge store combined with a set of prediction engines to support various types of predictions

4. Business Simulator: Training and testing tool for running simulations

5. Support for Batch: Online and Incremental ingestion of data from various data sources

6. Human Assisted Reinforcement: Learning framework with support for online & incremental learning

7. Connectors: Support for various Spark based data connectors such as Mongo, Hive, S3 as well as standard JDBC connections

8. Built on Zero Trust Security Principles: Single Sign-on (SSO), Role Based Access Controls (RBAC), mutual TLS.

9. MLOps & DataOps Lifecycle integration and support with support for online, batch and bulk-batch predictions

10. Cortex IDE Plugin for skills development using common IDEs like VSCode, Eclipse Che

11. Developer Blueprints: Set of reusable templates, quick starts, code examples for developers

12. Impact Assessment: Simple search and analysis tool for managing change to AI assets

13. Trusted AI Catalog: Common catalog for AI Assets with support for lifecycle, versioning and tagging

14. Fabric GitOps Tool, integration to CI/CD process for promotion of AI Agents and Campaigns across environments

15. Support for open specification CAMEL, Docker, Kubernetes, OpenAPI, GraphQL, OpenID

16. Any Model, Any Data with support for complex AI/ML workloads and orchestration patterns

17. Cortex Skills & Agents: Simple packaging and orchestration model for ML and non-ML components for online, batch and streaming applications

18. Flexible deployment, for Cloud native, Hybrid cloud and on-prem infrastructure

19. Integration to ML/Data Platform such as IBM Cloud Pak for Data and Azure ML Platforms

20. Cognitive University (CogU): Self-paced online learning and enablement platform for developing Trusted AI applications using a common methodology and curriculum