SOVEREIGN INTELLIGENCE
Make sense of the world's data so people can make better decisions.

SOVEREIGN
INTELLIGENCE

Aurora:CIMS®
Central Intelligence Management System

AURORA is the first-ever immersive enterprise platform for intelligence collection and analysis. Aurora provides an agile, insightful, Artificial-Intelligence (AI) driven, Central Intelligence Management System (CIMS) for securely ingesting any data with the sole mission of helping you make better decisions.

The AURORA:CIMS® platform solves the fundamental productivity problems caused by siloed and inaccessible data, inadequate data collection, and stymied decision-making. AURORA is a revolutionary SaaS platform focused on exploring and answering questions via an intuitively-driven artificial intelligence and a game-like user experience. AURORA is designed to bring an enhanced level of confidence surrounding the discovery of answers for two reasons: (1) our proprietary ability to know where to look among the vast libraries of data across the internet, and (2) our model-free organic learning and contextual gravity approach to mitigate bias and observe otherwise indecipherable data patterns for better insight. Welcome to Sovereign Intelligence.

AURORA is engineered to help analysts answer risk intelligence questions by intuitively illuminating new insights as part of the investigative process. For example, it finely balances intrinsic and extrinsic motivators while supporting the analyst's unique and often non-linear workflow. If an analyst gets a hunch to explore some adjacent idea, tools need to be available to naturally support this behavior. AURORA does this by inviting the analyst to embark on a mission aided by a unique combination of ground-breaking artificial intelligence guides, a captivating user experience, and deeply integrated volumes of both open and hard-to-reach datasets, as needed.metrics.

Aurora: Intelligence-as-a-Service

Aurora:CIMS® addresses legacy problems discovered across commercial and government agencies.

Data Management
Aurora: Intelligence-as-a-Service addresses the Data Management problem with our Global Collection Network. Aurora is data agnostic and has a universal collection apparatus, collection unstructured and structured data. Our Global Collection Network includes API sources and operates via human heuristics based on mission or investigative workflow. The GCN includes: Open Source, Evidence Intelligence, GeoSpatial, Telecom, Satellite, LiDar, Social Media, Signals Intelligence, and Network Intelligence.

Data Migration
Aurora: Intelligence-as-a-Service addresses the Data Migration problem with our proprietary Contextual Gravity algorithm. Aurora self-assembles data and visualizes information relationships using elements of graph theory in multi-dimensions. All data structures become objects or entities with intrinsic contextual gravity in relation to other objects, locations, etc.

Workflow: User Interface
Aurora: Intelligence-as-a-Service addresses the Workflow:User Interface problem with Workflow-as-Code, Mission-as-Code, and our intuitive, discovery based workflow. Each mission starts with a brief, which triggers automated collection and self-assembly of data, ultimately producing a narrative report which is collaborative for a team of analysts. Aurora operates with a simplified cross-mission salience and similarity, allowing for graphical investigation summaries and reports. Aurora's intuitive, game-like environment solves the typically boring, static user-interface problem.

Aurora:Central Intelligence Management System®

Security

Aurora: Intelligence-as-a-Service employs a Security-as-Code approach. Security and access rules are derived directly from business rules. Aurora's Security Development Operations implants security coding deep into the heart of the software. Security-as-Code allows security to be deployed in a repeatable, consistent, version controlled manner. Security-as-Code determines who can share data and applications.

Meaning: Analytics

Aurora: Intelligence-as-a-Service addresses the failure of current analytics to find meaning in data. Aurora integrates many open source software efforts including Python, Numby, SpaCy, Pandas, Jupyter, and others. Aurora combines these analytics with our own proprietary AI software including Contextual Gravity and Organic Learning. Aurora includes core competencies for data analysis, spatiotemporal applications, graph theory analysis, 2D and 3D graphics, as well as structured and unstructured data understanding

Unique Value Proposition

Aurora:CIMS®

Sovereign has developed the most disruptive intelligence software the world has ever seen. AURORA solves the problem of weak decision-making, whether instigated by siloed data, inadequate intelligence collection, biased AI assumptions, or stymied sense-making capacity.

Service Offerings	Description of Unique Value Proposition
Data Fusion	AURORA correlates multiple sources of information to provide robust and confident assessments for a variety of use cases.
Global Collection Network (GCN)	AURORA ingests any data. Our GCN is a universal collection apparatus permitting structured and unstructured OSINT data collection, multiple API sources with the capacity for contextual or key phrase targetable crawling.
Contextual Gravity	Contextual gravity self-assembles, then visualizes information as network relationships in multi-dimensional space. Layout distances are determined with a cost path model and rendered into detail depending upon the user's navigational altitude.
Machine Learning	Proven techniques in AURORA include: Entity Extraction, Parts of Speech, Sentiment, Stemming Lemmatization, TF/IDF, Topic Modeling, Image Registration, Directed and Undirected Graphing, MapReduce Regression, as well as Statistics and Clustering.
Organic Learning	AURORA incorporates an advanced approach to machine learning that understands ideas, context, and intent in much the same way humans do called Organic Learning (OL).
Gaming Environment	AURORA provides a stimulating, video game-like experience that keeps users invested in the outcomes of their exploration.
Spatiotemporal Query Methodology	AURORA can *partition spatial and temporal queries*. The capability was developed to query internal data repositories and external data services and systems that can not support broad and/or large scale queries.
Reward System	AURORA includes a reward and ranking system that unlocks tools, data, and harder problems. It provides the analyst with intrinsic and extrinsic self-improvement motivators by ranking analysts against other users for performance benchmarking.
Location Intelligence	AURORA's ability to organize, learn, understand, extract knowledge and manipulate the Location Intelligence environment include geolocation metadata, telecommunications, etc.
Advanced Forecasting	AURORA is able to rapidly detect anomalies in data at enterprise scales through a proprietary system, called EyeRIS©. EyeRIS© is used to forecast activity levels for any location and alert the user when activity levels are lower than normal.

Aurora:Central Intelligence Management System®

Enterprise Solutions Suite

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Aurora:GeoStudio®
Aurora: GeoStudio® helps you discover the geolocation of smartphone devices on a global scale. Our theory is that if you can observe *where* people go, you can learn *why* they are there. We observe over 16 billion geolocation events and over 600 million devices every day.

Aurora:AddScore®
Aurora: AddScore® helps financial institutions verify the addresses provided by a loan applicant. To avoid fraud, and to prevent money laundering, bank's need a fast, secure, and discrete method to confirm an applicant's home or work address. The Aurora: AddScore® leverages our Aurora: GeoStudio® data analytics to quickly confirm the presence of devices during a history look-back at the applicant's activity.

Aurora:GeoCanvass®
Aurora: GeoCanvass® provides commercial or government entities automated geolocation attribution of devices discovered during Area of Interest for sensitive site locations, retail marketing/advertising, as well as national security related intelligence collection

Aurora:NetIntel®
Aurora: NetIntel® provides a singular focus not only on in-network vulnerabilities and associated risk ratings but also expands and connects into the Threat Actor Landscape revealing the potential for stolen or exposed Intellectual Property, Code, and PII. Built for IT Security Professionals.

Service Offerings	Aurora:CIMS®	Aurora:GeoStudio®	Aurora:AddScore®	Aurora:NetIntel®	Aurora:GeoCanvass®
Type	Enterprise	Enterprise	Enterprise	Enterprise	Enterprise
Optimal Clientele	High Volume Data/ Intel Service	Multinationals/Cyber Security	Sophisticated Intelligence/Investor/ Advisory Firm		Sophisticated Data Analytics Companies/ Government
No. of Units	1 API	1 SaaS	1 API	1 API	1 API
License Term	1 Year	1 Year	1 Year	1 Year	1 Year
Pricing	Based on Scope/ Usage	License Fee Based on Usage	License Fee Plus Pay-per-search	License Fee Based on Usage	Based on Scope/ Usage
Payment	Yearly Upfront	Yearly Upfront	Yearly Upfront	Yearly Upfront	Yearly Upfront
Return	Full Software Interaction	Full Software Interaction	Metrics/Report	Metrics/Report	Geolocation Attribution Report

Next steps!

Contact us via discover@sovereign.ai for more information.