Turn Data Overload Into Mission-Critical Intelligence

Product White Paper

O R B I S

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Executive Summary

Intelligence organizations don't struggle because they lack data. They struggle because the volume of available digital information has outpaced the methods used to collect, process, and act on it. Analysts spend more time navigating vendor platforms, reformatting outputs, and manually correlating fragments than they do producing intelligence.

Orbis Discovery addresses that directly. It is a unified, AI-powered intelligence platform purpose-built for digital intelligence (DIGINT) operations. Discovery replaces the fragmented patchwork of collection tools, search interfaces, and manual workflows with a single environment where analysts collect, synthesize, and produce mission-ready intelligence — with AI designed specifically for the tradecraft.

Discovery doesn't automate the analyst out of the process. It removes the engineering burden so analysts can do what they were trained to do: think, connect, and decide.

The constraint isn't access to data. It's the time and effort required to turn that data into something a decision-maker can act on.

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1. The Problem Discovery Solves

DIGINT operations have grown in scope and complexity far faster than the tools available to support them. A typical analyst today works across three to twelve different platforms — social media monitoring tools, news aggregators, identity resolution databases, dark web scanners, geospatial feeds — each with its own interface, query language, data format, and output structure.

The result is predictable. Analysts become platform operators. Collection requires navigating multiple vendor portals. Synthesis means copying results between systems and manually reconciling formats. Reporting demands yet another set of tools, templates, and review cycles.

AI has been introduced into some of these platforms, but in most cases it operates within the boundaries of a single vendor's data. A model trained on one provider's feed can't correlate across another's. An inference engine that produces results without citations or explanation creates more work for analysts who must verify every output before passing it forward. And general-purpose AI assistants — however capable — don't understand intelligence tradecraft, collection requirements, or the standards that govern finished intelligence.

The problem is not any one tool. The problem is the operating model: too many disconnected systems, too much manual integration, and AI that doesn't speak the analyst's language.

2. What Discovery Is

Orbis Discovery is an AI-powered analyst workbench that unifies multi-source DIGINT search, synthesis, and intelligence production in a single platform.

It is not a dashboard. It is not a chatbot bolted onto a search engine. It is an operational environment designed around the way intelligence analysts actually work — structured around projects, tasks, and the iterative cycle of collection, analysis, and reporting that defines the tradecraft.

Three properties distinguish Discovery from conventional DIGINT tools.

Streamlined Collection

Discovery connects analysts to a broad range of open-source and partner data sources through a single search interface. Rather than logging into multiple vendor platforms, crafting queries in each vendor's syntax, and manually assembling results, analysts issue queries once and receive consolidated, normalized results. Collection tasks can be configured for one-time execution or recurring collection on any cadence the mission requires.

Mission-Tuned AI

The AI layer in Discovery is not a general-purpose language model answering questions about the internet. It is an intelligence assistant built for DIGINT — trained to collect, synthesize, and explain in ways that align with mission objectives and analytic standards. Every AI-generated output includes citations traceable to source material. Results are explainable and auditable, not opaque predictions.

Discovery's AI operates across the full analytic workflow: identifying relevant sources, synthesizing findings across multiple data streams, resolving entities, detecting patterns, and producing structured outputs that analysts can evaluate, refine, and advance to reporting.

Executive-Ready Outputs

Raw data and AI summaries are not intelligence. Discovery bridges that gap by converting analytic findings into structured, formatted reports — with key takeaways, in-line citations, and outputs aligned to the standards decision-makers expect. The goal is not to generate a first draft that requires extensive rework. It is to produce a starting point for finished intelligence that an analyst can review, refine, and deliver with confidence.

3. Key Capabilities

Person Search

Identity resolution is among the most common and time-consuming tasks in DIGINT operations. Discovery's Person Search capability allows analysts to start with a single identifier — a name, handle, email address, phone number — and instantly map every connected data point to an individual across available sources. The platform replaces fragmented manual lookups with structured, confidence-scored identity resolution, giving analysts a comprehensive picture of an individual's digital presence without the hours of cross-referencing that traditional methods require.

Translation and Multi-Language Analysis

Threats do not respect language boundaries. Discovery provides integrated translation capabilities that allow analysts to work with foreign-language source material natively — crafting queries in target languages, processing results in their original language, and

producing analyst-ready English outputs. Terminology guides ensure consistent, mission-accurate language across teams, eliminating the ambiguity that arises when analysts independently translate domain-specific terms.

Automated Reporting

Discovery generates AI-powered reports with key takeaways and in-line citations drawn from collected sources and analyst-uploaded holdings. These reports serve as structured starting points for finished intelligence — synthesized, cited, and formatted to reduce the production cycle from hours to minutes. Synthesis instructions can be tailored per customer to align with specific reporting standards and formats.

Analytic Visualization

Intelligence is most actionable when it can be seen, not just read. Discovery generates structured visual outputs — entity relationship maps, link charts, timelines, and network diagrams — directly within the analyst workspace. These visualizations are not static images dropped into a report. They are AI-generated analytic products derived from collected data, designed to surface patterns, connections, and gaps that narrative text alone cannot convey. Analysts can refine, annotate, and export visual outputs as part of the intelligence production workflow without switching to a separate toolset.

4. How Discovery Fits the Operational Stack

Discovery is the analyst-facing intelligence production layer within the Orbis product family. It is designed to operate alongside — and draw from — the broader Orbis ecosystem.

Orbis Pulse serves as the data acquisition and curation engine. Pulse ingests, normalizes, and enriches data from across the DIGINT vendor landscape and delivers it in a unified, schema-enforced format. Discovery agents leverage Pulse-curated datasets, ensuring that the data analysts search and analyze is clean, current, and consistently structured — without Discovery needing to manage vendor integrations directly.

Orbis Catalyst provides the secure infrastructure layer. Where organizations require federated data access, fine-grained security controls, or cross-partner data sharing, Catalyst delivers the identity management, encryption, and access governance that ensures data flows to the right people under the right conditions.

Together, the three products form a coherent operational stack: Pulse acquires and curates the data, Catalyst governs and secures it, and Discovery puts it in the hands of analysts who turn it into actionable intelligence.

5. The Strategic Case

The argument for Discovery is not about replacing analysts with AI. It is about returning analysts to the work that justifies their expertise.

Organizations that invest in better collection tools without addressing the integration, synthesis, and production bottleneck will continue to see their analysts function as data engineers rather than intelligence professionals. The volume of available DIGINT data is increasing. The number of analysts is not. The only way to close that gap is to fundamentally change how much of the analytic workflow is consumed by mechanical tasks versus genuine analysis.

Discovery reduces the time from collection to finished intelligence by unifying the tools, data, and AI capabilities that analysts need in a single environment. It eliminates redundant platform licenses, reduces training overhead, and creates a consistent operational baseline across teams — regardless of which specific data sources a given mission requires.

These outcomes are not aspirational. They follow directly from consolidating a fragmented toolchain into a purpose-built platform that understands how intelligence is actually produced.

Conclusion

Orbis Discovery is not another search tool, and it is not a general-purpose AI assistant repurposed for intelligence work. It is an operational platform designed for the specific demands of DIGINT — from collection through production, with AI that understands the tradecraft.

It gives analysts a single environment to search across sources, synthesize findings with explainable AI, resolve identities, work across languages, and produce intelligence that decision-makers can act on. Its fully equipped as a standalone product and connects to the broader Orbis ecosystem — Pulse for data, Catalyst for security — so that the infrastructure supporting the analyst is as capable and governed as the analysis itself.

The organizations that produce intelligence faster and more reliably than their adversaries hold a decisive advantage. Discovery is built to deliver that speed without sacrificing rigor.

The analyst who spends less time managing tools and more time thinking is the analyst who finds what matters first.
