



Integrate to Win

Operate without the luxury of time

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Combat in 2025: Firepower through the seams



(Fox News Photo)

MIDNIGHT HAMMER by the numbers:
125 aircraft, 14 GBU-57s, 1 Submarine, BGM-109s¹

Component 1: Time ... Speed of human cognition

Component 2: Systems ... Latency of last gen collaboration

Component 3: Classification ... Loss of vital context

Component 4: Networks ... Self-induced barriers

“MIDNIGHT HAMMER was a powerful, decisive, message” Gen David Allvin

¹ DOD Release *Defense Agency Contributed Toward OMH Success*



Combat in 2027: Data-centric, Zero Trust, DI platforms



Every platform is a connected sensor

SCI is essential warfighting data

Data interoperability brings speed

Sensor orchestration is the key opportunity ahead

OUR MISSION IS TO DELIVER
DIGITAL INFRASTRUCTURE FOR
DECISION ADVANTAGE



Mission-Ready Data: Ensuring Interoperability and Accessibility for Air Force Intelligence



- Develop and sustain data centric workforce
- Establish integrated enterprise services and tools
- Formalize data governance and management
- Enable data analysis and sharing

The Challenge of Discovering What's Important

Data and language barriers to addressing KIQs

Key Intelligence Questions (KIQs)

Air	Cyber	Missile	Forces	Technology	Doctrine	Events
						



Two Key Challenges

The Three V's of Big Data

Volume: 176 Zetabytes of data created each year by 2025

Velocity: 24/7 rapid data generation requires near-real time processing

Variety: Diverse data types and formats adds complexity to processing & analysis

Translation & Interpretation of Native Language

Accuracy: Varies across domains, MT can add 20%+ noise to your text output

Meaning: MT can tell us what they said, but not always what they mean

Bandwidth: Human translations are typically more accurate, throughput is limited

A Solution: Human-Machine Teaming

- There is simply too much data and too many intelligence problems to address manually.
- To overcome the Big Data challenge, we must integrate human expertise with AI-driven transformative technologies.

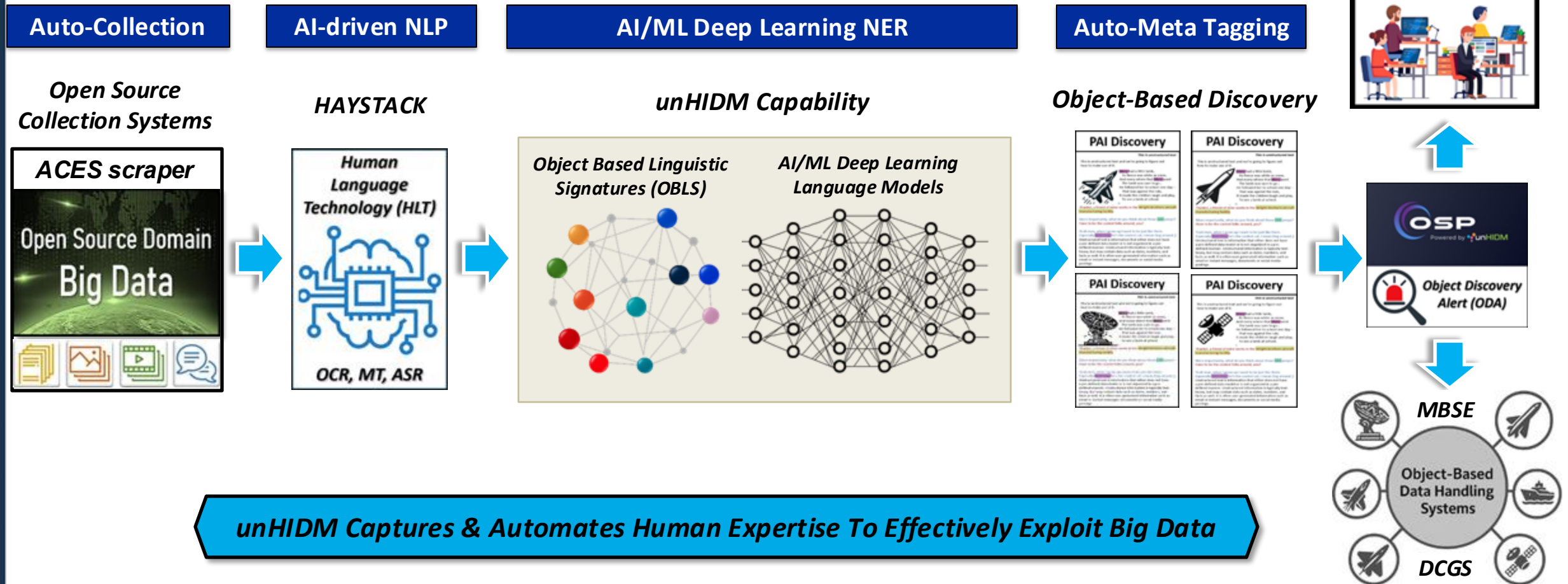
"The true potential of AI lies in its ability to assist us in discovering what we don't yet know, but it requires our guidance to understand what truly matters." - Andrew Ng





OSINT AI-driven Automation

The Solution to Automated Precision Search of Big Data



Closing Thought.. What will happen when the link fails?



AP Photo

“The US command stream and connection has been completely cut.”

Admad Alamolhoda, Senior Iranian Cleric

June 23, 2025

What does your commander use to C2?

What is your PACE Plan?

When is the last time you validated it?



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