



# Big Data Cyber Situational Awareness

Anomalies by source country

Italy	8,392 anomalies	China	1,301 anomalies
United States	7,746 anomalies	Russia	848 anomalies
Brazil	4,704 anomalies	<b>USCERT Threat Classification</b>	
Switzerland	3,560 anomalies	 Emergency	
Puerto Rico	2,704 anomalies	 Severe	
		 High	
		 Medium	
		 Low	
		 Baseline	

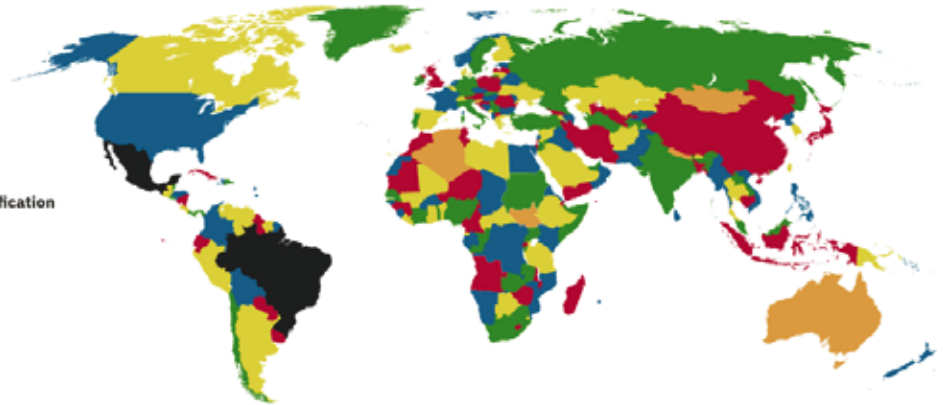


Figure 1: Automated Global Cyber Situational Awareness

Rivera Group is a cyber defense company that uses our proprietary cyber situational awareness tool to help NSA, DOD, and the VA identify anomalous behaviors inside big data. Our tool, EAGLE6, is a big-data enterprise cyber situational awareness tool that utilizes machine learning to detect anomalous behavior on complex networks to answer the following questions:

## EAGLE6 Solves the Following Big Data Machine Learning Questions:

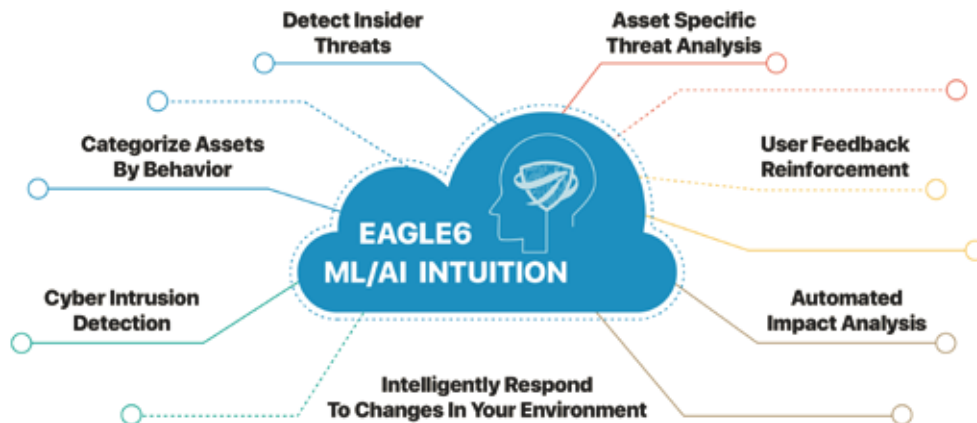


Figure 2: EAGLE6 Intuition Machine Learning

1. What kinds of actors (human and machine) do I have in my enterprise, and how are they connected and sharing data both internally and externally?
2. What is the impact of an actor’s behavior to my organization’s mission or business process? Can I identify when an actor is exhibiting unexpected cyber activity (Insider Threat)?
3. How do I auto-filter meaningful activity that requires my attention and suggest mitigation strategies for attack response techniques?

## Find and Mitigate Cyber Activity, Fast!



Rivera Group has shown success within several agencies in the federal government as we helped them to identify anomalous behavior within big data. The EAGLE6 dashboards and reports utilize data fusion and data analytics to operate across on-net and off-net missions.

The EAGLE6 product utilizes the USCERT and MITRE ATT&CK framework to filter and categorize network behavior so the user is alerted to anomalous behavior that is relevant to their mission.

Figure 3: Cyber Threat Impact and Mitigation Strategy

The EAGLE6 Machine Learning module identifies hidden cyber activity that may not be visible via human inspection techniques. EAGLE6 learns an organization's expected behavior and is capable of identifying Insider Threat activity.

# Experience Matters.



## Federal Certifications and Major Contracts

SBA Certs: SDVOSB, VOSB, SB  
CAGE Code: 3ZZF9  
DUNS: 167876361  
Top Secret Facility and Personnel Clearances

NAICS Codes: 541513, 541511, 541512, 541990  
GSA Schedule 70  
NIH NITAAC CIS-SP3 SB  
US Army CECOM SEC NEXGEN

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Protect Against Data Spillage  
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