

A JOURNEY FROM CRISP TO ATLAS

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As of: 21 MAY 25



Eric Kaden AI/ML COMPUTER SCIENTIST | DATA SCIENTIST | CYBERSECURITY | LEADER

Accomplished data scientist with 15+ years leading data science teams for data-driven decision-making through actionable insights.



Formerly Chief Data Scientist

Cyber Protection Brigade, Army Cyber Command

Currently

Analytic Support Officer / Data Scientist

Task Force Morpheus, Army Reserves Cyber Protection Brigade



Lead Data Scientist

Data Machines

Research with DARPA & PSU Applied Research Laboratory for the intelligence community

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Introducing CRISP

Cyber Readiness Inspection Statistics Platform (CRISP) converts STIG-based Cyber Operational Readiness Assessment (CORA) data to MITRE ATT&CK[®] Navigator JSON layers with comprehensive statistical processing in just a few steps. It generates a heatmap of the overlap between CORA and threat groups, making it easy to identify gaps in security to harden the system.



TechnologyArea	Vuln ID	Severity	STIG ID	Status	NIST SP 800-53 Rev 4
UNIX OS	V-230221	high	RHEL-08-010000	Not A Finding	CM-6 b
UNIX OS	V-230222	medium	RHEL-08-010010	Not A Finding	CM-6 b
UNIX OS	V-230223	high	RHEL-08-010020	Not A Finding	AC-17 (2)
UNIX OS	V-230224	medium	RHEL-08-010030	Open	SC-28
UNIX OS	V-230225	medium	RHEL-08-010040	Not A Finding	AC-8 a
UNIX OS	V-230226	medium	RHEL-08-010050	Not Applicable	AC-8 a
UNIX OS	V-230227	medium	RHEL-08-010060	Not A Finding	AC-8 a
UNIX OS	V-230228	medium	RHEL-08-010070	Not A Finding	AC-17 (1)
UNIX OS	V-230229	medium	RHEL-08-010090	Open	IA-5 (2) (a)
UNIX OS	V-230230	medium	RHEL-08-010100	Not A Finding	IA-5 (2)
UNIX OS	V-230231	medium	RHEL-08-010110	Not A Finding	IA-5 (1) (c)
UNIX OS	V-230232	medium	RHEL-08-010120	Not A Finding	IA-5 (1) (c)
UNIX OS	V-230233	medium	RHEL-08-010130	Not A Finding	IA-5 (1) (c)

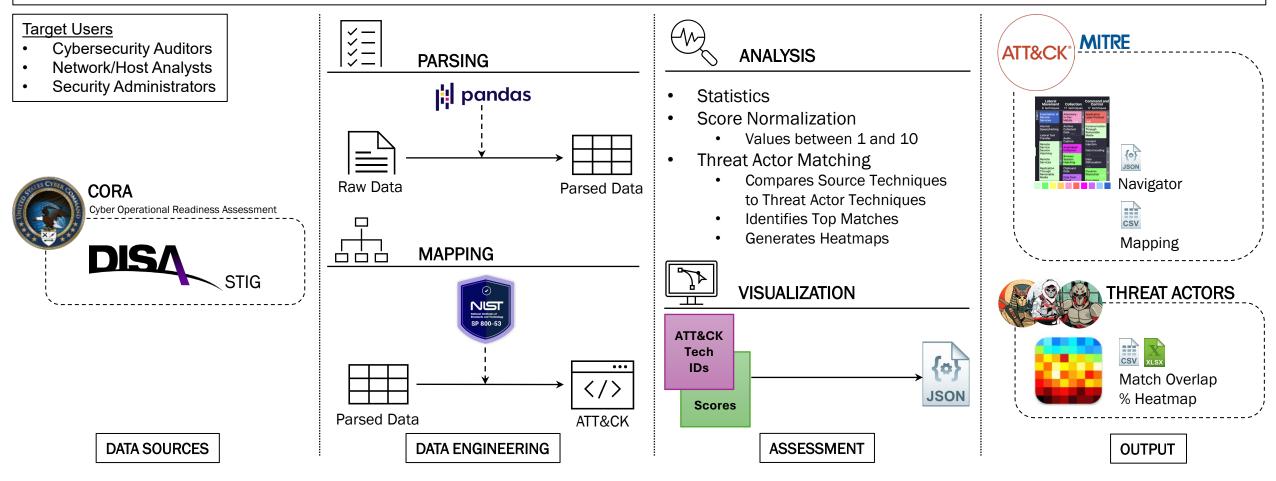


Reconnaissance 10 techniques	Resource Development 8 techniques	Initial Access 10 techniques	Execution 14 techniques	Persistence 20 techniques		Defense Evasion 43 techniques	Credential Access 17 techniques	Discovery 32 techniques	Lateral Movement 9 techniques	Collection		Exfiltratio
10 techniques Active Scanning (%) Gather Victim Hofmation (%) Gather Victim Hofmation Gather Victim Hofmation Gather Victim Hofmation (%) Gather Victim Hofmation (%) Sagench Closed Search Closed Search Closed Lababese (%)		10 techniques Content Injection Drive-by Explaine Compromise Explaine Supplication Relication Relication Relication Relication Supply Composition Relication Relication Supply Composition Relication Trusted Relactionship	14 techniques Cloud Administration Command Container Administration Container Administration Container Exploitation for Explo		14 techniques Abuse Elevation Control	43 techniques Abuse Elevation Control Mechanism	17 techniques Adversary-in- the-Middle Color Butte Force Gel Crodentials Forced Authentication For Gredential Crodential Crocentials Forced Credentials Crocentials Crocential	32 techniques Account Discovery (1/4) Application Window Browser Information Discovery Cloud Infrastructure Cloud Service Cloud	9 techniques Exploitation of Remote Services Internal Spearphishing Lateral Tool Transfer Remote	17 techniques Adversary- in-the- Middle of the second Collection Audio Collection Browser Session Clipboard Clipboar	17 techniques Application Layer Protocol (43) Communication Removable Media Content Rigettin Content Content Rigettin Content Content Rigettin Content Content Rigettin Content Conten	9 technique Automated Extilitation (vp) Data Transfers Size Limits Over Alternative Protocol Extilitation Over CC Channel Extilitation Over CC Channel Extilitation Over Colore Network Medium
		Accounts II (4/4)	Deployment Tools System Services	External Remote Services Hijack	Escape to Host Event Triggered	Hijack Execution Flow (1/12) Impair Defenses (2/11) Impersonation	Authentication Request Generation Network Sniffing	Group Policy Discovery Log Enumeration Network Service		Data from Local System Data from Network Shared Drive	Application Layer Protocol Non-Standard Port	Scheduled Transfer Transfer Data to Cloud



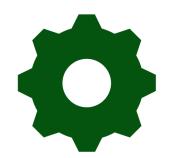


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CRISP Cyber Readiness Inspection Statistics Platform



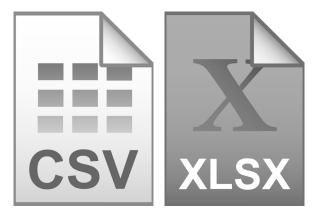


CRISP

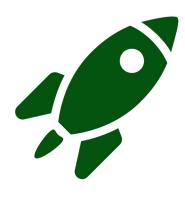
Simple Customization



Automatic Data Updates



Versatile Output for Reporting



Easy to Use



Sophisticated Statistics



Overlap Heatmaps



ATLAS transforms complex cybersecurity data into visually digestible threat landscapes and actionable insights through MITRE ATT&CK Navigator heatmaps. By mapping data sources to MITRE ATT&CK for enhanced clarity, ATLAS provides organization's security posture at a glance that enables informed prioritization of resources and proactive mitigation strategies while facilitating data-driven decision-making.

