



Accelerating FedRAMP, FISMA/RMF and CMMC 2.0 ATOs with OSCAL

Gaurav "GP" Pal, stackArmor, Inc. Martin Rieger, stackArmor, Inc.

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About Us

Gaurav "GP" Pal Principal stackArmor



GP is subject matter expert in driving cloud adoption and implementing NIST security standards for FedRAMP, FISMA and DFARS/CMMC compliance. He has received the Fed 100 and GCN Rising Star awards in 2015 and 2011 for Cloud ATO's.

Martin Rieger
Chief Solutions Officer
stackArmor



Martin supports all FedRAMP, FISMA/RMF and CMMC 2.0 projects for both Commercial and Federal Agencies. Mr. Rieger has supported multiple 3PAO's and has over 20 years of progressive information systems experience including active duty with the US Navy.



About stackArmor





- > stackArmor is headquartered in Washington DC and is an Advanced AWS Partner with strong security and compliance experience in Education, DOD & Federal, commercial, public sector and non-profit markets.
- We are 1 of 8 firms selected by AWS globally as inaugural consulting partners as part of the ATO on AWS program.
- > stackArmor is the <u>first and only</u> AWS Shield Advanced Partner for North America
- Global public sector customer base at the Federal, State and Local Government level.
- Fortune 500 Commercial clients with strong focus on security and compliance.

We provide cloud enablement services for regulated industries with strong compliance and security needs.

FedRAMP | DOD | FISMA/NIST | CMMC



Government | Public Sector | Defense Aerospace | Space | Healthcare







Advanced Consulting Partner

SaaS Partner

Public Sector Partner

Security Competency

Government Competency

Microsoft Workloads Competency



authority to operate



Capabilities

Our team specializes in technical advisory to include these core services:

- ✓ **NIST Advisement** ensuring your cloud service meets NIST guidelines
- ✓ System Documentation development of policies, plans and procedures for FedRAMP
- ✓ DoD A&A over ten years of DoD Assessment & Authorization experience
- ✓ **Continuous Monitoring** Managed services, security and compliance services
- ✓ Vulnerability Assessments perform scans on systems to identify vulnerabilities
- ✓ Application Security Testing detect security holes in software and applications















Agenda

- ☐ Growing demand for Cloud Services with NIST Compliance
 - ☐ FedRAMP, StateRAMP, TexRAMP, MARS-E 2.2, DHS 4300...
- ☐ ATO Acceleration with FASTTR
- ☐ Understanding FASTTR
- ☐ How OSCAL helps accelerate ATO's



FedRAMP Cloud Market Size

Growing adoption of FedRAMP accredited cloud services by Federal, State and Local agencies. <u>Deltek's</u> Federal Cloud Market report shows over **\$4.2B** spent on FedRAMP accredited cloud services in FY2020/21 with total cloud spending expected to grow to **\$11.4 B by 2023**.

FedRAMP

The FedRAMP PMO reports significant jump in agency consumption of FedRAMP accredited cloud services.



% Increasing Agency Demand

\$4.2B

Federal Cloud Market by 2023

\$11.4B

Data and graphics were leveraged from the FedRAMP.gov blog published Nov 9, 2021



Introducing FASTTR on AWS

FASTTR on AWS is a partner led initiative under the ATO on AWS program developed by stackArmor – **an all-in** AWS Partner focused on security and compliance for government centric markets.

As part of the FASTTR on AWS program, we are providing the **ThreatAlert® ATO Accelerator** that reduces the time and cost of FedRAMP, FISMA and CMMC Authority to Operate **by 40%**.







Engineering Approach to ATO's







Platform-as-code
ThreatAlert® Security
Platform

FedRAMP **compliant** landing zone with integrated security services aligned to
NIST SP 800-53

Digital Artifacts in OSCAL

Xacta360 for OSCAL

Ready artifacts streamlines and automates FedRAMP

ThreatAlert® ConMon

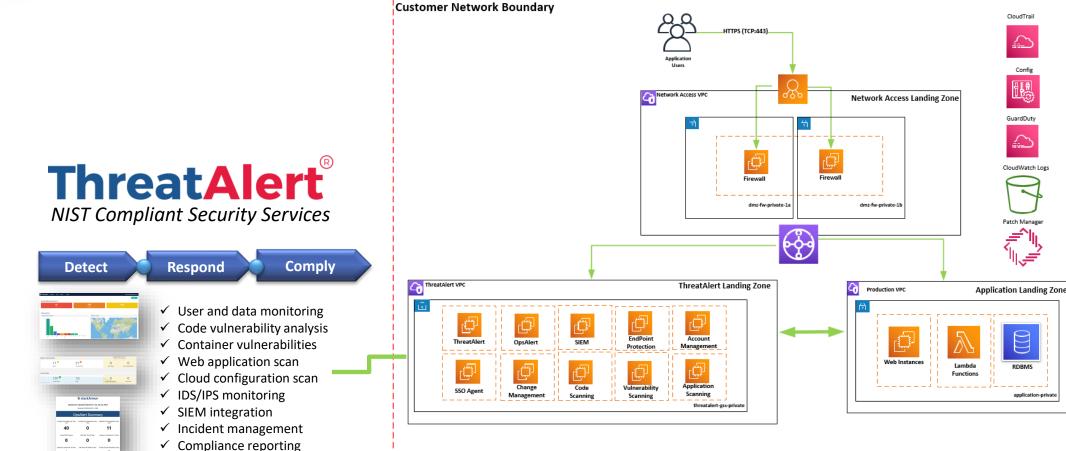
Perform scheduled activities and deliver artifacts based on FedRAMP controls and Assist with annual assessment



CloudTrail

CloudWatch Logs

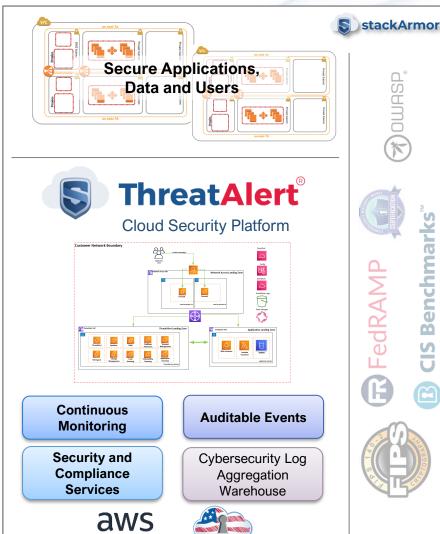
Compliant Authorization Boundary



Applications, Data and Users

StackArmor

ThreatAlert® Security Platform



AWS GovCloud (US)

	Security Capability	FIPS/FedRAMP Compliant Service
1	Code analysis	✓
2	Vulnerability Scanning	\checkmark
3	Web Vulnerability Scanning	✓
4	Container vulnerabilities	✓
5	IDS/IPS (Host/Container)	✓
6	Anti-Virus/Malware	✓
7	SIEM	✓
8	Hardening	✓
9	Patch management	✓
10	Observability/Monitoring	✓
11	Alerting	✓
12	Incident management	✓
13	Auditable Cloud system operations monitoring	✓
14	Centralized log aggregation warehouse	✓
15	Centralized account management and MFA	✓
16	Compliance reporting	✓
17	Boundary Protection	✓
18	Secure access management	✓



What is PaC?

Platform as code is a new paradigm for developing opinionated platforms that meet specific business and security requirements using software development principles of modularity, abstraction and maintainability. The end result is consistency and standardization across the enterprise saving time, money and avoiding costly mistakes.



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filterPattern:
 '$.userIdentity.type = "Root" && \
$.userIdentity.invokedBy NOT EXISTS && \
 $.eventType != "AwsServiceEvent"
new cw.CfnAlarm(this, 'alarm', {
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 namespace: 'CloudTrailMetrics',
 alarmDescription: 'Root user activity detected. This should never occur under normal circumstances. \
 Investigate source of root usage and raise incident if this is unplanned or unauthorized. TSP-CW-CIS-3.3',
statistic: 'Sum',
 period: 300,
 evaluationPeriods: 1,
 threshold: 1.
treatMissingData: 'notBreaching',
 comparisonOperator: 'GreaterThanOrEqual'
```





Observability as code to find data that caused alarm



Alarm as code to satisfy AU-2a and AU-2d

AU-2a auditable events: Successful and unsuccessful account logon events, account management events, object access, policy change, privilege functions, process tracking, and system events. For Web applications: all administrator activity, authentication checks, authorization checks, data deletions, data access, data changes, and permission changes



Enabling cATO with OSCAL





Digital Inventory in OSCAL



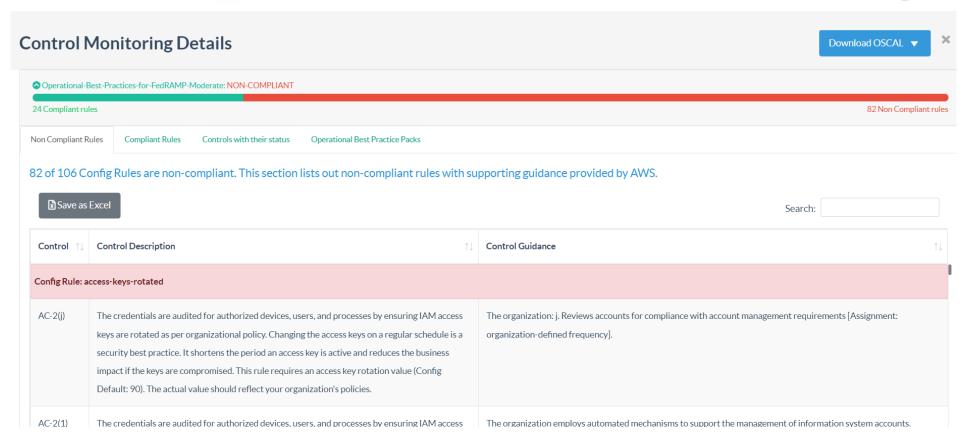
SSP-stackarmor-fedceo-2022-02-24-16-08-36 - Notepad

File Edit Format View Help

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cATO as Code for Continuous Compliance





Highlights

- ☐ Jumpstart FedRAMP, FISMA/RMF, CMMC 2.0 and StateRamp compliance projects with a focus on automation using **NIST OSCAL**
- ☐ AWS vetted security & compliance solution ThreatAlert® ATO Accelerator
- ☐ Telos' Xacta 360® automated compliance solution with AWS control inheritance capabilities and <u>OSCAL</u> integration
- ☐ End to end solution deployed "on-prem" in customers' or partners' AWS

 Accounts and includes professional services, licenses and managed services









Thank You!

We strive to become a trusted cloud security and operations partner for our customers and deliver customer delight to build long term relationships. We help reduce the time and cost of a FedRAMP, FISMA/RMF and CMMC ATO by 40%.

- Additional Information
 - Microsite https://stackArmor.com/FASTTR
 - AWS Solutions Offer Listing
 - AWS Marketplace Listing
- Contact us for more information by sending an email at solutions@stackArmor.com