AWS container security survey

68 responses

How do you run your containers on AWS?

	EKS on EC2	52% / 36 resp.
	ECS on EC2	44% / 30 resp.
	ECS on Fargate	36% / 25 resp.
*	DIY Kubernetes (kops, etc.)	22% / 15 resp.
	EKS on Fargate	10% / 7 resp.
*	Docker EE	5% / 4 resp.
docker AshiCorp	HashiCorp Nomad	5% / 4 resp.
	Other	4% / 3 resp.

Are you scanning your container images?

	Native ECR scanning	44% / 30 resp.
Ø	Nope, not scanning images (yet)	38% / 26 resp.
aqı	Aqua Security	10% / 7 resp.
	DIY Clair	9% / 6 resp.
	Sysdig Secure	6% / 4 resp.
Sys		
wis:	Twistlock	6% / 4 resp.
O ALTO NET		
StackRox	StackRox	0% / 0 resp.
STOCKNOX		
A :	Other	11% / 8 resp.
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Are you scanning containers at runtime?

Ø	Nope, not scanning containers (yet)	83% / 57 resp.
Falco	CNCF Falco	13% / 9 resp.
¹ NeuVec	NeuVector	0% / 0 resp.
*	Other	4% / 3 resp.

How are you managing sensitive data?

	AWS Parameter Store	55% / 37 resp.
	AWS Secrets Manager	43% / 29 resp.
HashiCorp	HashiCorp Vault	25% / 17 resp.
6	DIY encryption	11% / 8 resp.
Ø	Nope, not encrypting sensitive data (yet)	11% / 8 resp.
*	Other	9% / 6 resp.

Are you signing container images?

68 out of 68 answered

Ø	Nope, not signing my images (yet)	89% / 61 resp.
Ø		
	CNCF Notary	8% / 6 resp.
	CNCF TUF-based	2% / 2 resp.
*	Other	1% / 1 resp.

How are you managing your supply chain?

Nope, not managing my supply chain (yet)	81% / 54 resp.
CNCF in-toto	3% / 2 resp.
Grafeas	1% / 1 resp.
Other	15% / 10 resp.

Are you using Kubernetes?

68 out of 68 answered

1	Yes	57% / 39 resp.
2	No	42% / 29 resp.

Kubernetes: network policies

1	Calico	60% / 18 resp.
2	Via a service mesh	33% / 10 resp.
3	Weave Net	13% / 4 resp.
4	DIY eBPF	3% / 1 resp.
5	Cilium	0% / 0 resp.
6	Other	23% / 7 resp.

Kubernetes: pod security policies

39 out of 68 answered

1	Yes	43% / 17 resp.
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2	No	56% / 22 resp.

Kubernetes: user management

1	IAM users/roles	86% / 33 resp.
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2	SSO (OpenID Connect/dex, etc.)	31% / 12 resp.
3	Active Directory/LDAP	7% / 3 resp.
4	Other	2% / 1 resp.

Kubernetes: pod-level IAM roles

IAM roles for service accounts (IRSA)	43% / 17 resp.
None, I'm assigning the IAM role to the nodes	25% / 10 resp.
kube2iam	20% / 8 resp.
kiam	7% / 3 resp.
Other	2% / 1 resp.

My role in the team/organization is \dots

	Mainly operations	25% / 11 resp.
2	Architect	20% / 9 resp.
3	SRE	18% / 8 resp.
ļ	InfoSec	13% / 6 resp.
5	Mainly development	13% / 6 resp.
6	Release management	2% / 1 resp.
7	Testing/QA	2% / 1 resp.
3	Other	4% / 2 resp.