

Securing the Cloud: Putting Identity at the Center

Cloud Security Without Identity Isn't Cloud Security at all

Alex Feigenson Global Technical Director August 25th, 2025





Of the organizations that suffered cloudrelated breaches **cited identities and permissions risk as the cause**.

- Tenable 2024 Cloud Security Outlook



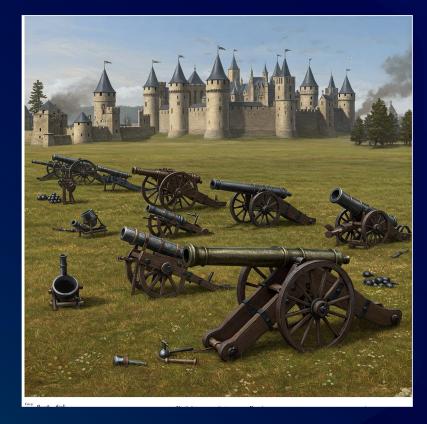
Old Threats, Old Defenses



Securing your Infrastructure, Last Millenium style



New Threats, New Defenses



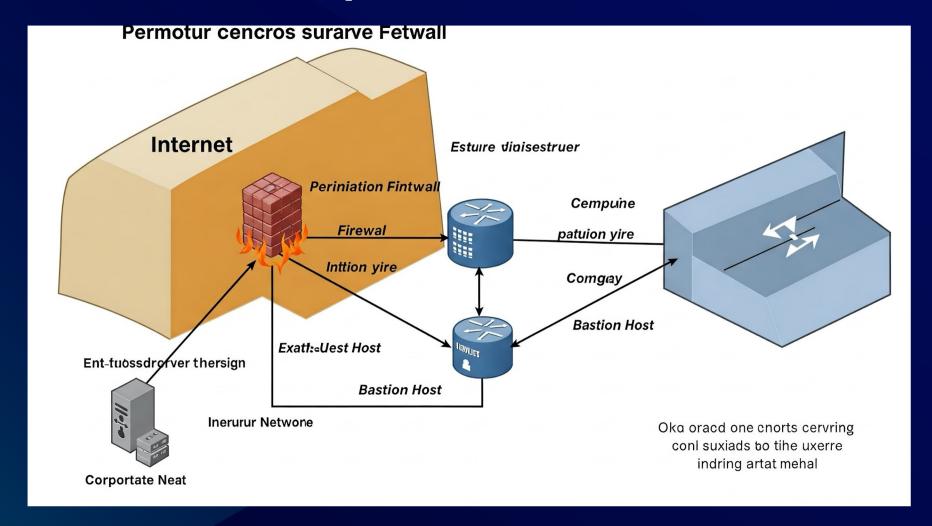
Gunpowder and Cannons



Bastion Fort (built ~1600 AD)



State of the Art Security (Before the Cloud)





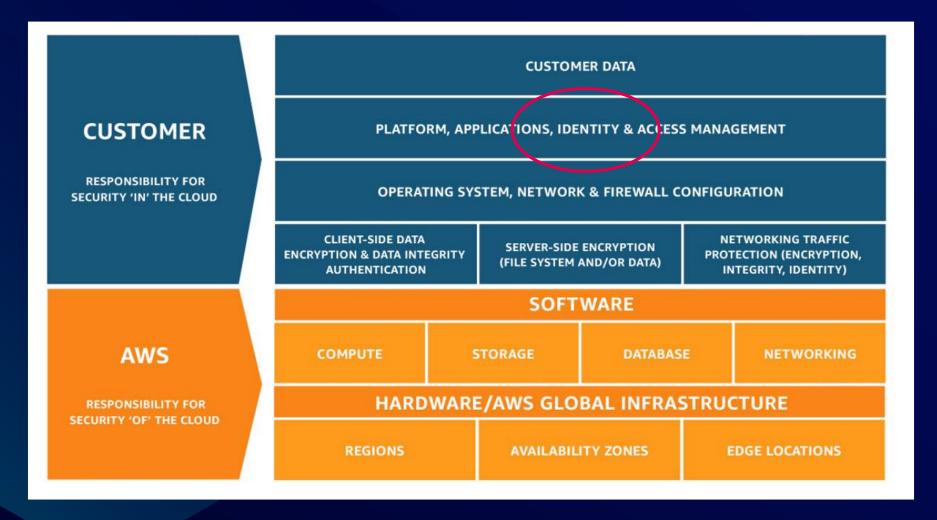
So what has changed?

Old World	Cloud
Everything is yours to manage	Shared responsibility model
3-5 year server purchases (CapEx)	-as-a-Service model (OpEx)
Hand-crafted, artisanal, custom systems	Lots of cookie cutters
Months to get a new system	Minutes to get a new system
Many different vendor APIs	One API (per Cloud Service Provider)
Networking is the perimeter	Identity is the [new] perimeter

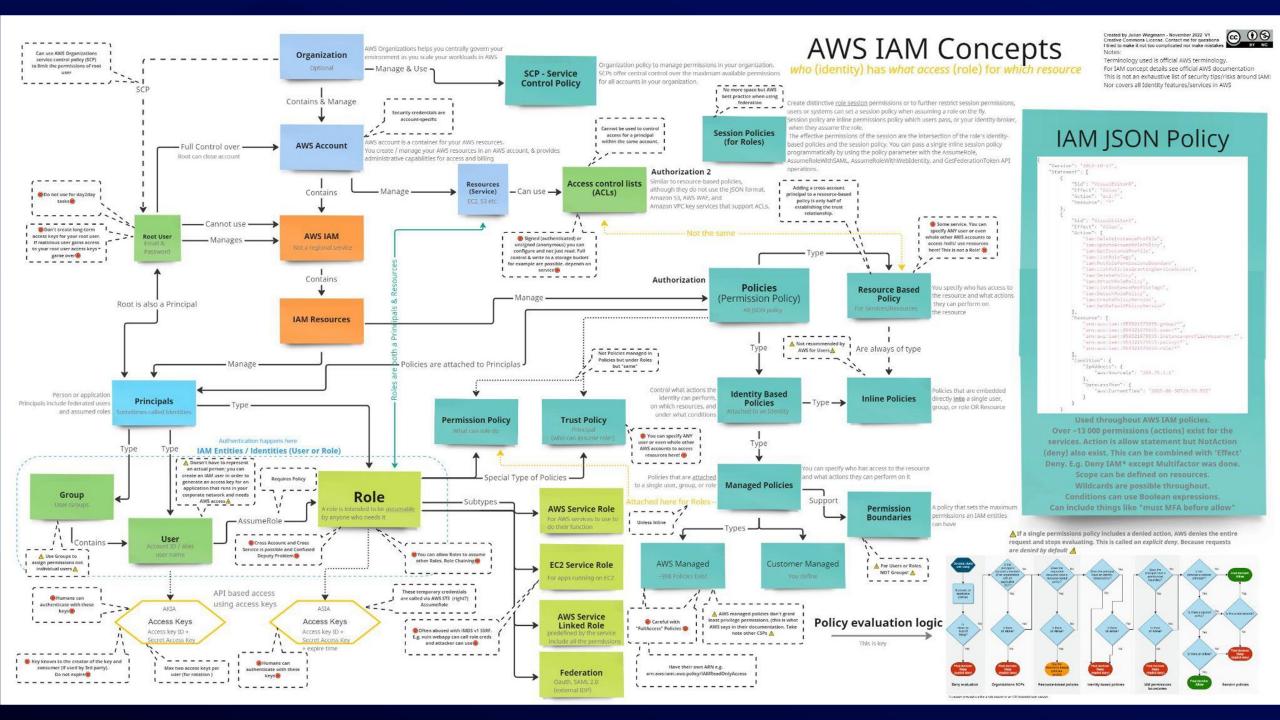
In short, **EVERYTHING.**



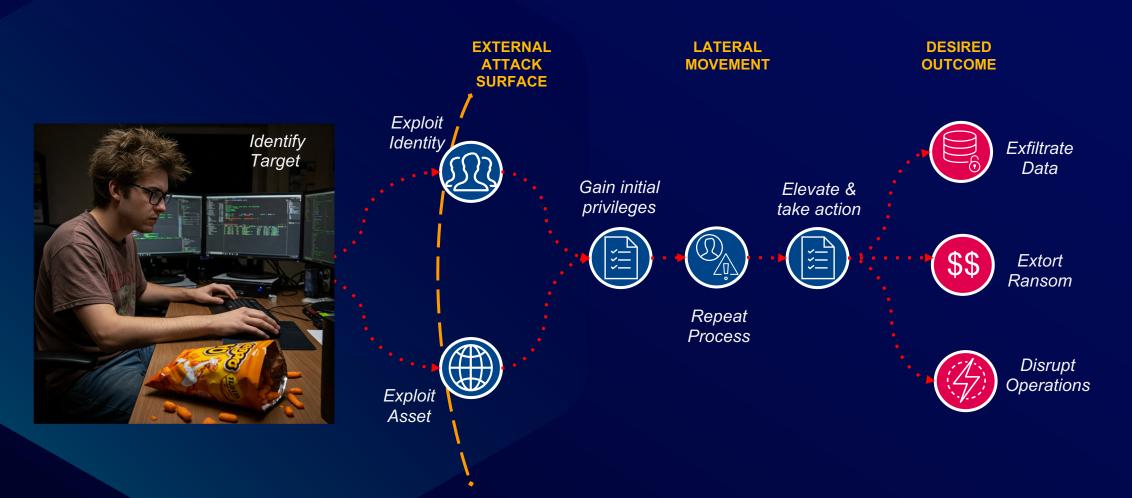
Amazon Web Services Shared Responsibility Model





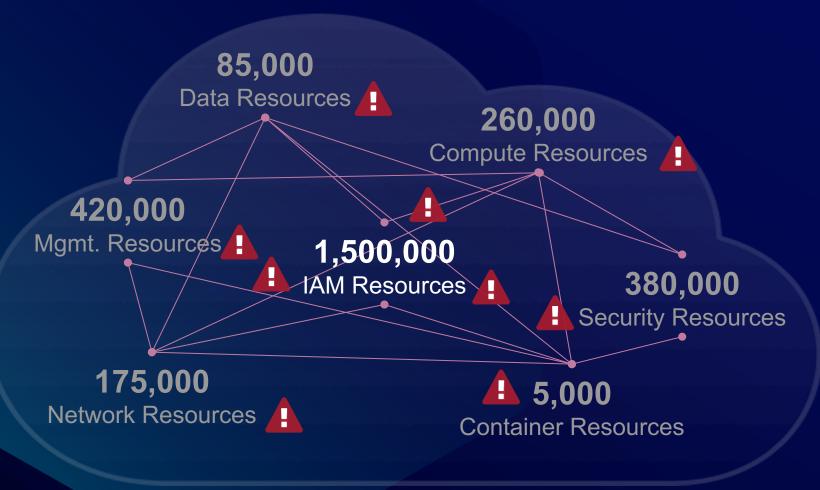


The New Perimeter Is Exploited in Almost Every Breach





Securing Identities, Entitlements, Permissions Is Difficult



"Version": "2012-10-17", "Statement": ["Sid": "FirstStatement", "Effect": "Allow", "Action": ["iam:ChangePassword"], "Resource": "*" "Sid": "SecondStatement", "Effect": "Allow", "Action": "s3:ListAllMyBuckets", "Resource": "*" "Sid": "ThirdStatement", "Effect": "Allow", "Action": ["s3:List*". "s3:Get*" "Resource": ["arn:aws:s3:::confidential-data", "arn:aws:s3:::confidential-data/*" "Condition": {"Bool": {"aws:MultiFactorAuthPresent": "true"}}

Policy example:

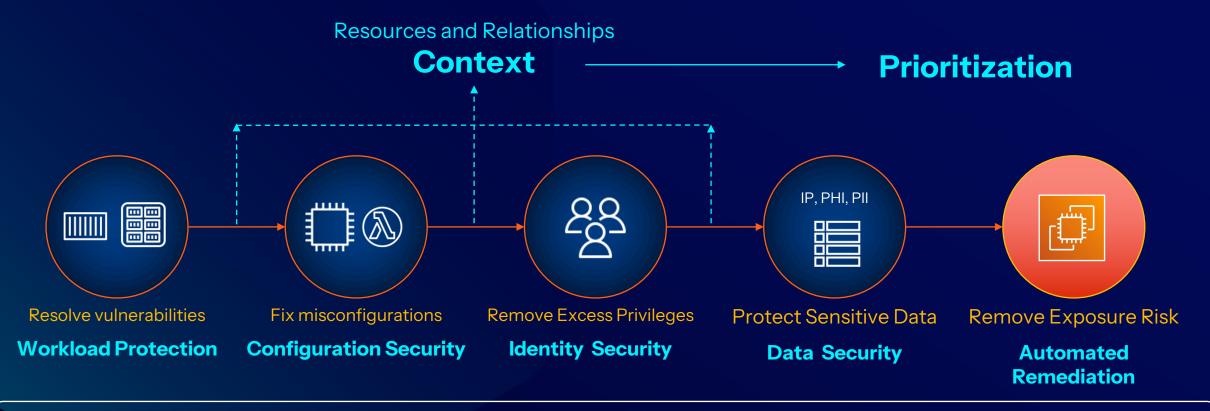
https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html

tenable



How Tenable Cloud Security provides answers

From Visibility, Context, and Prioritization to Remediation



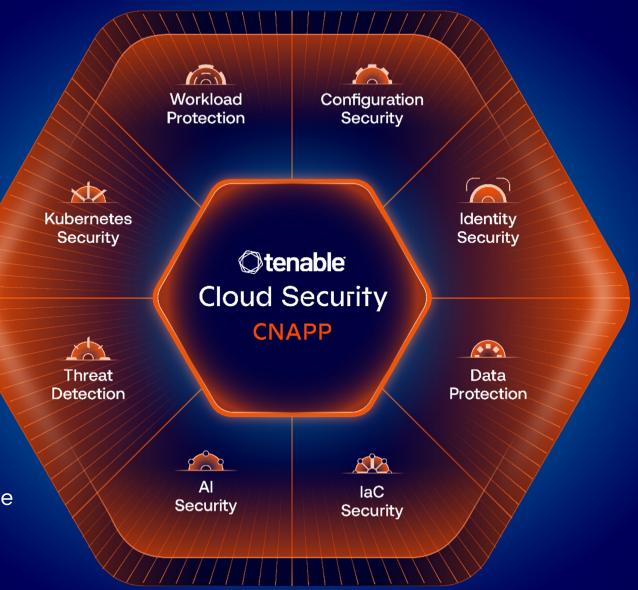
[Tenable Cloud Security] is clear, intuitive, provides valuable context and analysis, and is an extremely powerful tool towards analyzing and addressing security risk in an organization's cloud environment."



Tenable Cloud Security

Use Cases

- →Expose, prioritize & resolve misconfigurations
- → Assess and meet compliance standards
- → Deep, accurate, accessible visibility
- → Protect sensitive data
- → Streamline security operations
- → Achieve least privilege for cloud identities
- → Minimize exposure to vulnerabilities and malware

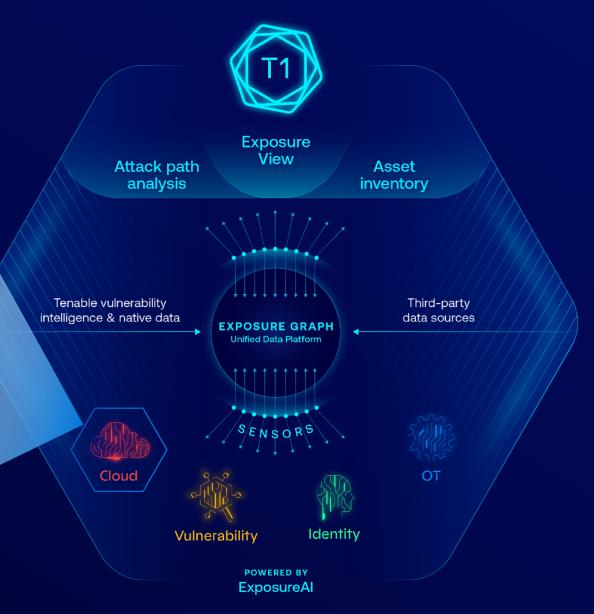




TENABLE CLOUD SECURITY WITH TENABLE ONE

Exposure Management Enterprise Wide

Public cloud, hybrid, on premises and OT environments





Tenable One

The world's leading Al-powered exposure management platform

UNIFY VISION

See all your assets & risks across the attack surface

UNIFY INSIGHT

Gain critical context to prioritize true exposure

UNIFY ACTION

Mobilize response across teams to eradicate risk





3rd Party Data



IT / Private



Unseen / Ext. Facing



Web Apps



Multi-Cloud



OT / loT

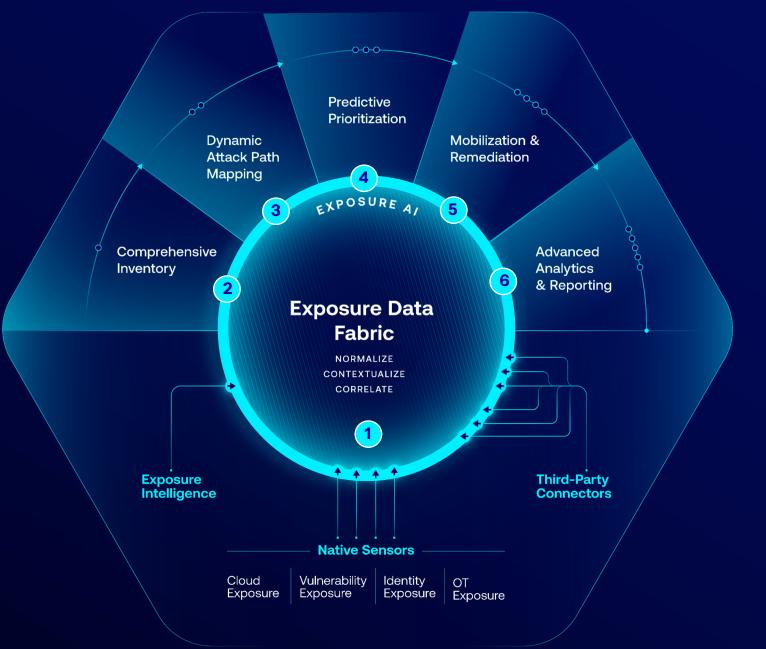


On Prem Identity



Cloud Identity





Tenable One

delivers comprehensive exposure management





















































