Access Policies for Hybrid Cloud Environments

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Agenda

It’s a Birds of a Feather Session which means

● 20% Context setting (Rae)
● 80% Discussions (all of us)
● Follow up items (all of us)
User Access In A Hybrid World

Applications

Istio

K8S

Infrastructure

IAM

OPA

ABAC

RBAC

Networking

IAM

AWS

GCP

AliCloud

On Prem

Storage and Data

Authn, BinAuth, Quota, audit policies...
Opportunities for Inconsistencies

- Syntaxes
- Best practices
- Audit logging
- Error messages
- Fail open/closed
- Notifications
- Monitoring
- Labels and groups

- Explainability
- Troubleshooting
- Simulation
- Workflows
- ACLed search
- Recommendations
- Warnings
- ...

...
Why Should We Care

Inconsistencies  

Complexity  

Inaction  

Misconfiguration  

Breaches

Data Breaches Compromised 4.5 Billion Records in First Half of 2018
- Gemalto, Oct 9, 2018

The Hybrid Cloud and Why DevOps Teams Need Unified Stack
devops.com Sep 24, 2018

Exposed! Open and misconfigured servers in the cloud
scmagazine.com October 1, 2018
Discussions