



#1876

Apply End-to-End Networking Security in Multi-Cloud for VMware Tanzu Users

Level 200

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#vmwareexplore #1876

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EXPLORE

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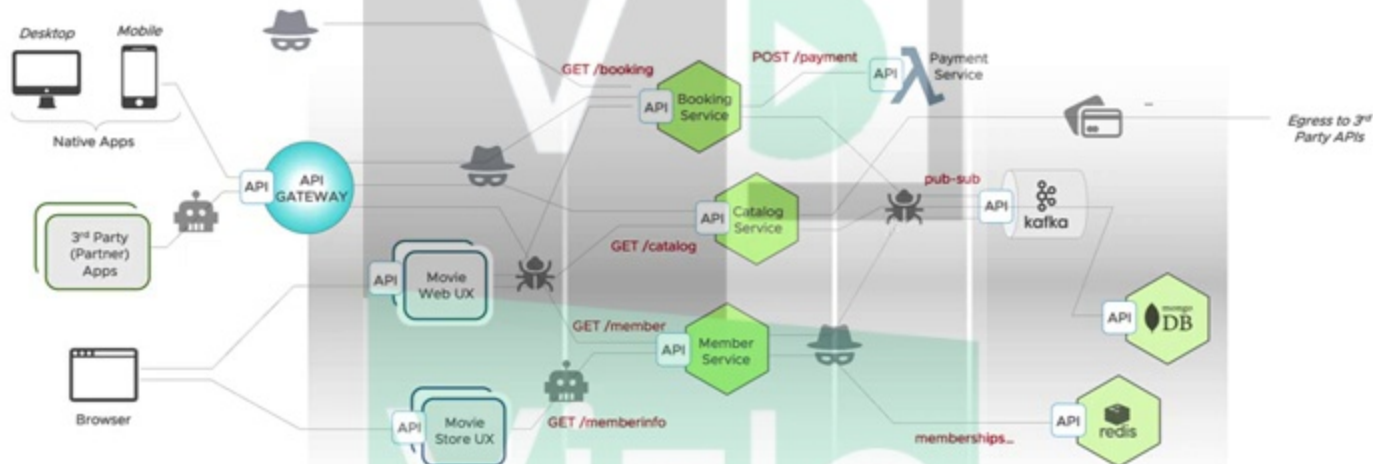
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Vizle

Modern Apps = Mesh of Services & APIs

APIs are a critical part of Modern Applications





NEW WORKFLOW...

Home

Dashboards & Operators

Resiliency

SLAs, Performance & Metrics

Security

Events, Analytics & Insights

API Management

Schemas, Analytics & Logs

Inventory

Ops, Services & Groups

Policies

Connectivity, Resiliency & Security

Tanzu Admin

Settings & Software Management

Recent

[/vizle/namespaces/default](#)
[/service-details/service-de](#)
[/api-details/tanzu/observa](#)
[/api-details/tanzu/schema/ser](#)
[/api-details/tanzu/observa/ta](#)

GNS Topology Performance Policies Services Public Services Service Instances Infrastructure Service Groups Configuration

Show: All Services

GRAPH SETTINGS

Metric Time Range: Last 5 minutes

acmegns

prod-tanzu-tig-dc01

prod-aws-eks-dc02

Security

Security

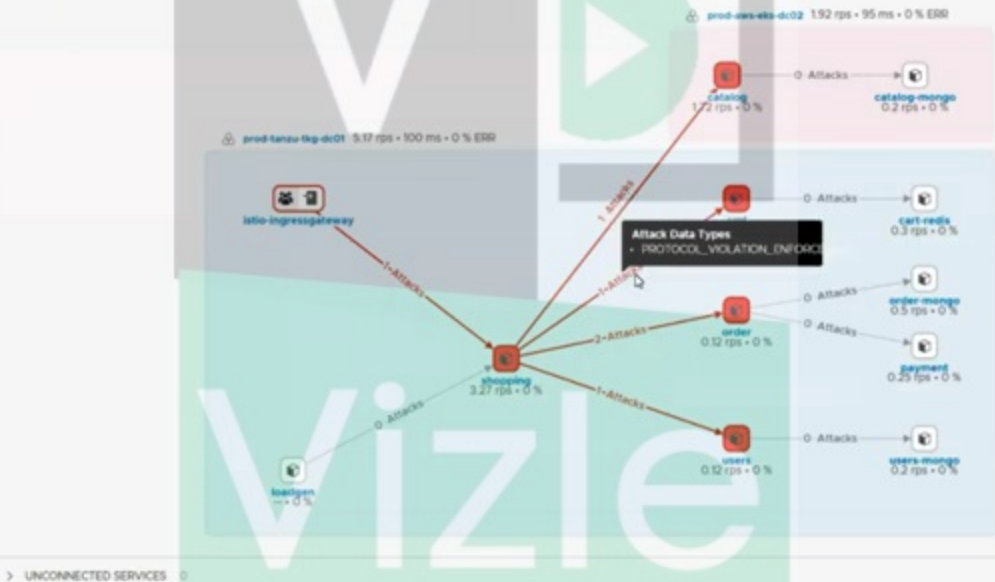
APIs

Policies

Attacks

Sessions Only

Service Versions



> UNCONNECTED SERVICES 0

Admission Controller and Workload Hardening

- Admission Controllers Apply Policy to K8S Resource Definitions
- Validating ACs can deny the deployment of resources
- Mutating ACs can modify resources before deployment to conform with policy

K8S provides a basic built-in security admission controller

```
apiVersion: apiserver.config.k8s.io/v1
kind: AdmissionConfiguration
plugins:
- name: PodSecurity
  configuration:
    apiVersion: pod-security.admission.config.k8s.io/v1beta1
    kind: PodSecurityConfiguration
    defaults:
      enforce: "baseline"
      enforce-version: "latest"
      warn: "restricted"
      warn-version: "latest"
    exemptions:
      # Array of authenticated usernames to exempt.
      usernames: []
      # Array of runtime class names to exempt.
      runtimeClasses: []
      namespaces: ["kube-system"]
```

```
apiVersion: v1
kind: Namespace
metadata:
  name: test-ns
  labels:
    pod-security.kubernetes.io/enforce: baseline
    pod-security.kubernetes.io/audit: restricted
    pod-security.kubernetes.io/warn: restricted
```



VULNERABILITIES

Review security vulnerabilities found on deployed assets [Learn more](#)VMs | Endpoints | **Container images**

All

8,773 Product Vulnerabilities
269 images

Critical

211 Product Vulnerabilities
134 images

High

2,106 Product Vulnerabilities
136 images

Medium

2,946 Product Vulnerabilities
212 images

Low

3,069 Product Vulnerabilities
213 images

Unknown

143 Product Vulnerabilities
103 images

sqj

Evaluating risk

 Running in Kubernetes

RISK	VULNERABILITY	TYPE	PACKAGE/LIBRARY	VERSION	REPOS
Critical	CVE-2019-8437	APKG	sqlite3 3.28.0-3	3.28.0-3	2

VULNERABILITY DETAILS

CVE-2019-8437

Description

SQLite3 from 3.6.0 to and including 3.27.2 is vulnerable to heap out-of-bound read in the `tree_node` function when handling invalid tree tables.

Images 2

Workloads 2

Risk Critical (7.5)

Fix 3.28.0-0

[National Vulnerability Database](#)

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