

# Maintain the security and performance of your applications and services

## Challenges

### Customers need to know their apps are secure and highly performant

As more businesses shift their application workloads to the cloud, IT organizations are finding it's increasingly difficult to keep pace with the dynamic nature of their newly emerging hybrid environments. The expansion of hybrid cloud capabilities tends to result in more complexity, adding to the burden IT has in trying to gain and maintain visibility into application security, performance, and dependencies. Siloed tools generate large volumes of data with little intelligence, which reduces actionable visibility and further compounds the problem.

## NETSCOUT on AWS

### Successful cloud migrations requires actionable visibility

Whether migrating applications using lift and shift, refactoring existing apps, or developing new ones with microservices, managing your hybrid cloud environment is dependent upon your ability to eliminate performance and security blind spots within and between your data centers and your Amazon Web Services (AWS) environment.

NETSCOUT enables you to assure security and performance of applications and services across physical, virtual, and cloud environments. The solution uses NETSCOUT Smart Data technology to distill real-time, precise, and relevant intelligence from all connected applications and services to help you reduce business risk by making more informed decisions. NETSCOUT's innovative Smart Data technology goes beyond traditional north-south traffic views, by providing pervasive visibility and deep insights into applications, services, and their dependencies across AWS.

The visibility NETSCOUT offers is actionable since it enables IT to quickly detect, analyze, and remediate application performance issues, threats, and vulnerabilities.

## Benefits

### NETSCOUT provides effective monitoring to assure performance and security in hybrid environments before, during, and after migration.



#### Accelerate deployments

Migrate application workloads to AWS and accelerate continuous deployments with confidence.



#### Improve user experience

Deliver a consistent and high-quality user experience throughout the AWS migration process.



#### Increase performance

Increase application reliability, availability, and responsiveness in hybrid and AWS environments.

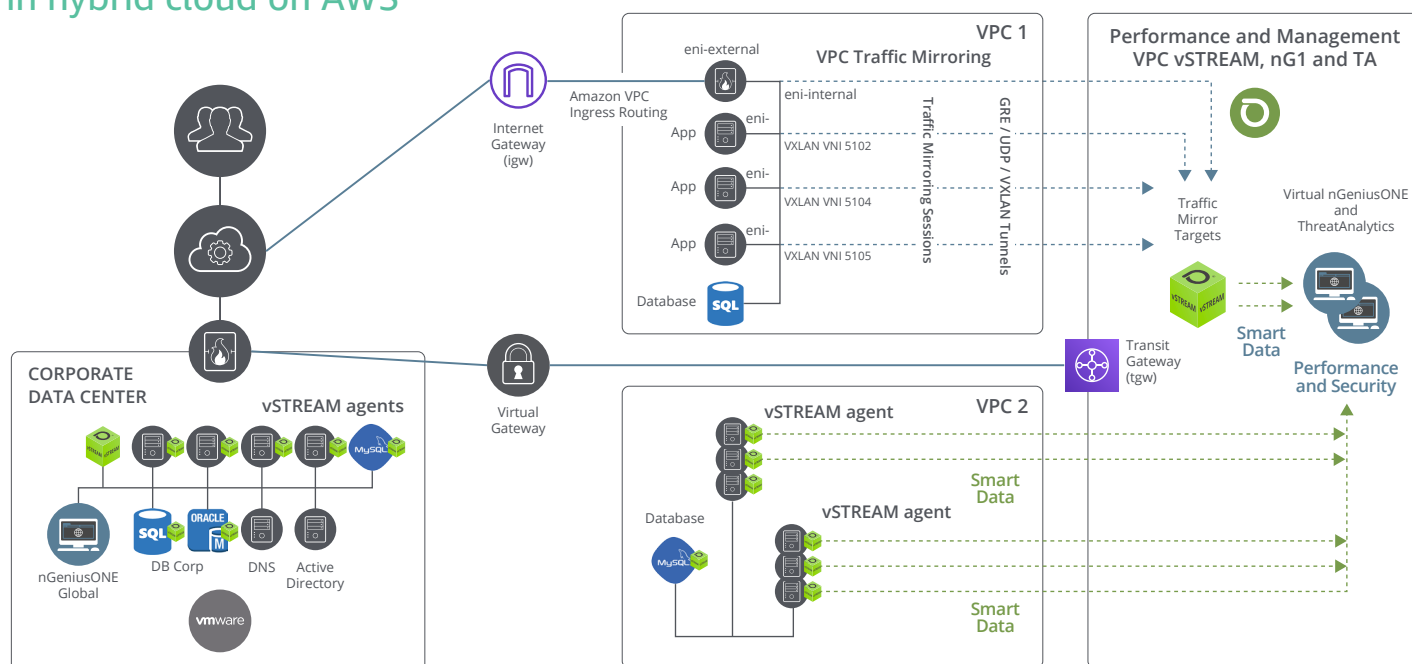


#### Detect and respond faster to security threats

Reduce business risk with powerful detection, investigation, and forensics analysis capabilities.

# NETSCOUT architecture

## in hybrid cloud on AWS



## Success story: Forte Data Solutions

Forte Data Solutions helps customers solve complex data management challenges on AWS, including data migration, with professional services, managed services, and integrated technology offerings. When end users of the company's web-based statistical application started experiencing issues, Forte Data Solutions engaged NETSCOUT to boost the application's performance and reliability.

### Challenge

- Poor end user experience caused by persistent scaling and latency issues
- Delayed and/or failed database backups
- IT burden from ongoing, unresolved issues

### Solution

- vSTREAM™ probes and virtual nGeniusONE® deployed on AWS
- NETSCOUT solution analyzed networks on Apache, Oracle, and Java application ports
- nGeniusONE® quickly revealed root cause of scaling and delay issues

### Outcome

- Eliminated slowdowns, instability, and intermittent freezes in the application
- Curtailed revenue losses associated with late reports and lost productivity
- IT burden alleviated with the ability to uncover errors quickly and easily
- Delivered highest quality end-user experience when using critical application

Get started with NETSCOUT on AWS

Visit [AWS Marketplace](#) to get started today or learn more about [migrating to AWS with NETSCOUT](#).



NETSCOUT