IBM Security

Guardium External TAP Overview

Gali Diamant
Senior Software Architect - IBM Security Guardium

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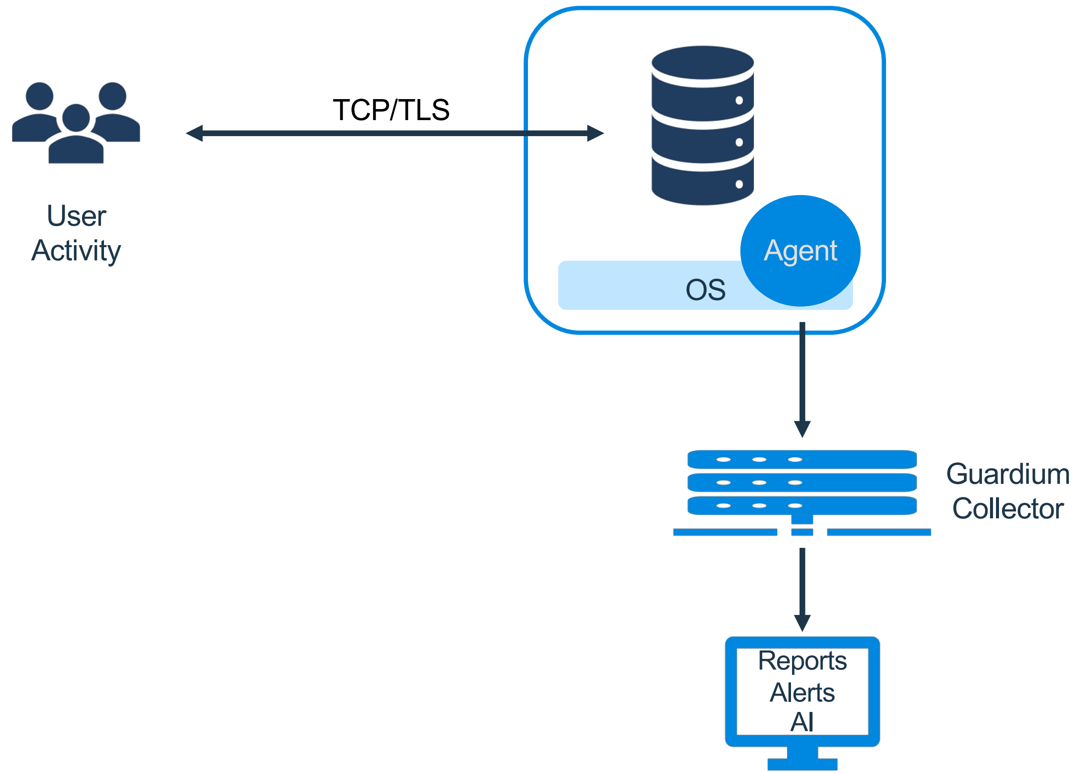
Agenda

- Overview
- Challenges
- Solution
- Demo

Traditional Agent-Based Database Monitoring

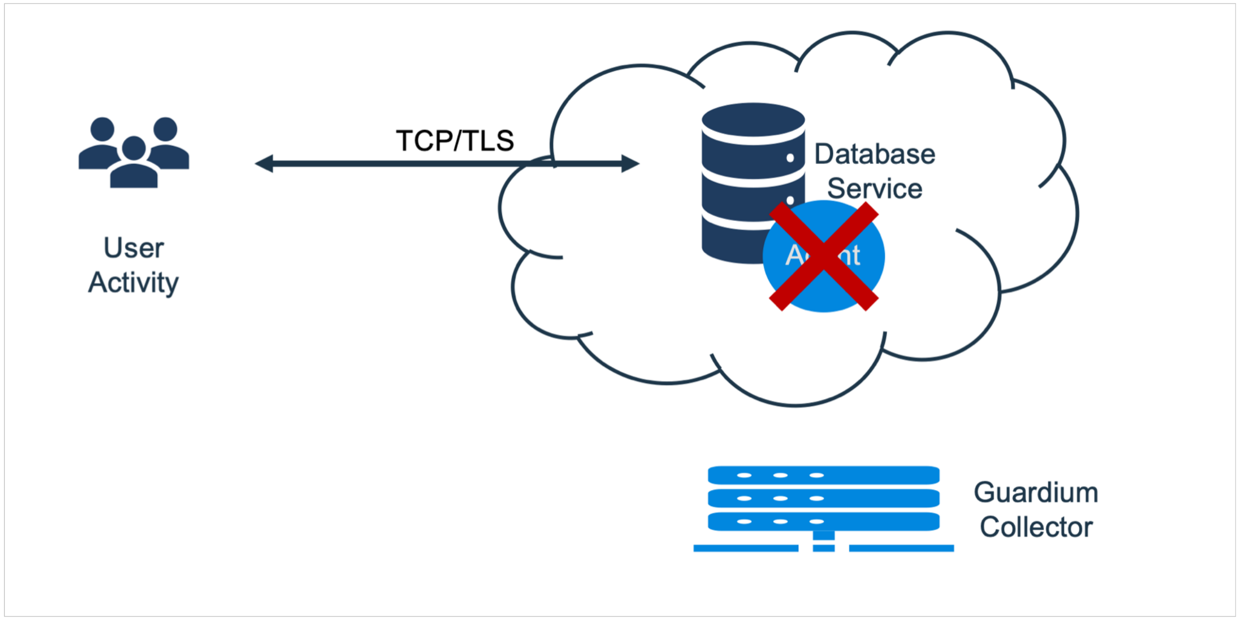


New Trends in DB usage

- **DBaaS**
- Managed Database services in the Cloud

- **Containerized Databases**
- On-premise and Cloud images

Challenges - DBaaS



User Activity

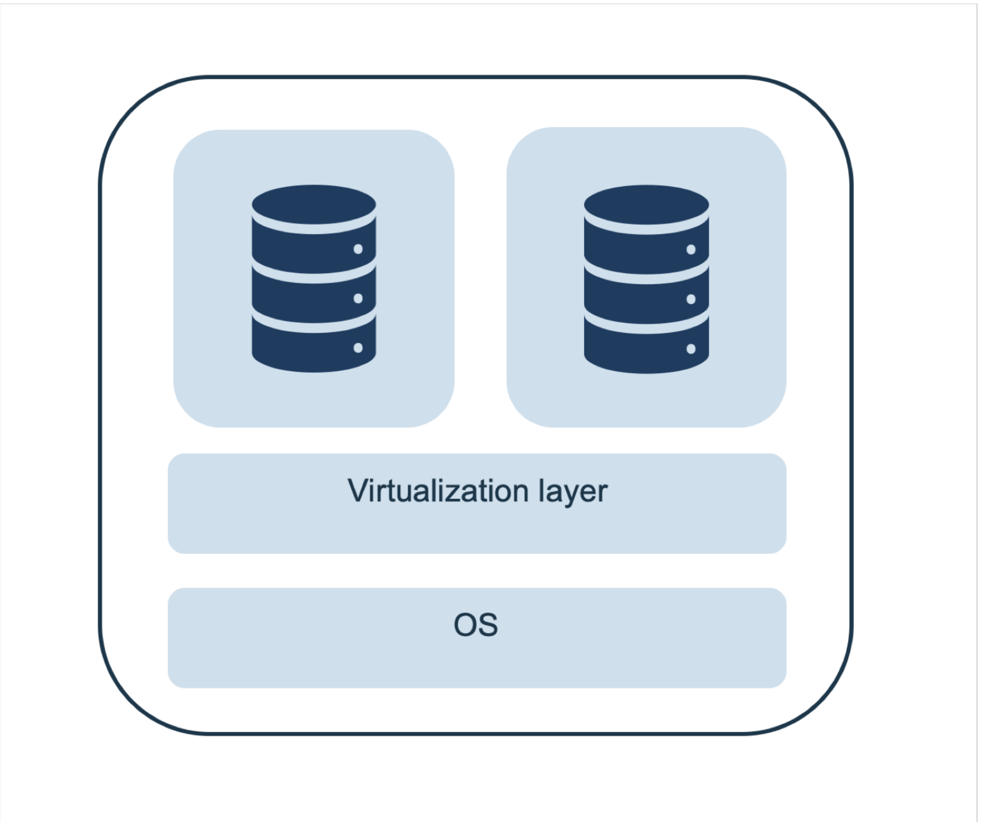
TCP/TLS

Database Service

A nt

Guardium Collector

Challenges - Containerized DBs



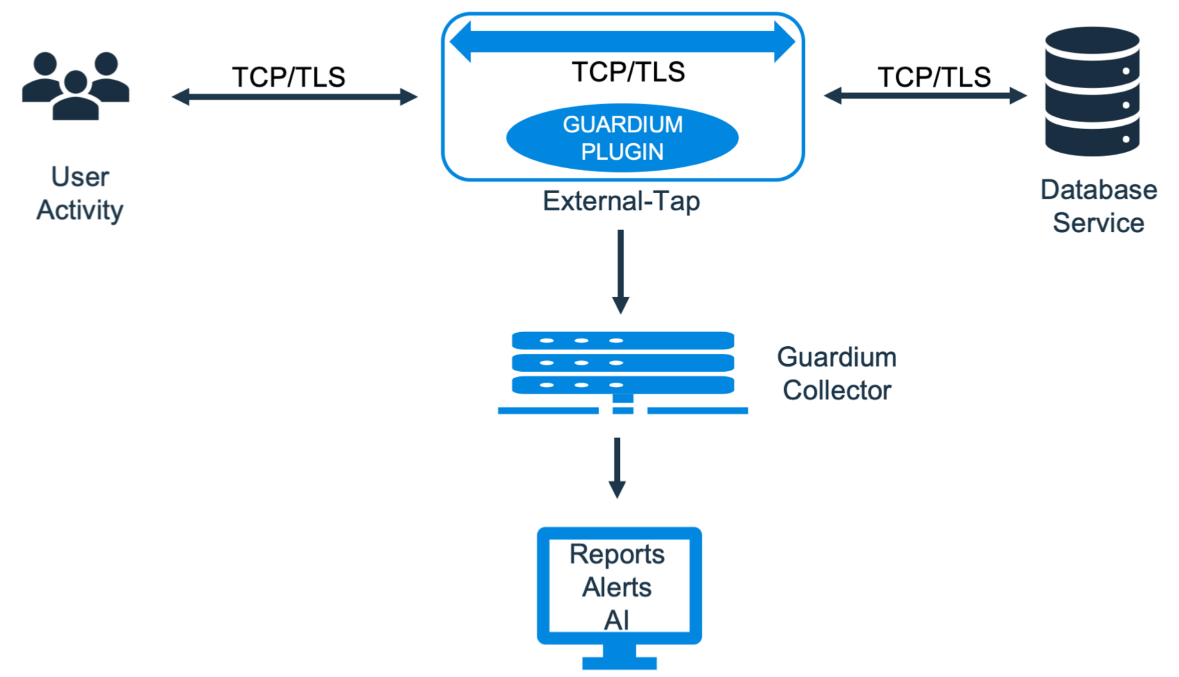
Problem

- Support monitoring capabilities for DBaaS and Containerized DBs
- Consistent approach to data protection across on-premises and cloud environments

Solution - The new Guardium External-Tap

- New and previously unavailable levels of visibility into activity
- Near real-time monitoring
- Agent capabilities (in roadmap)
  - ✓ Redaction
  - ✓ Firewall

Guardium External-Tap



User Activity

TCP/TLS

TCP/TLS

GUARDIUM PLUGIN

External-Tap

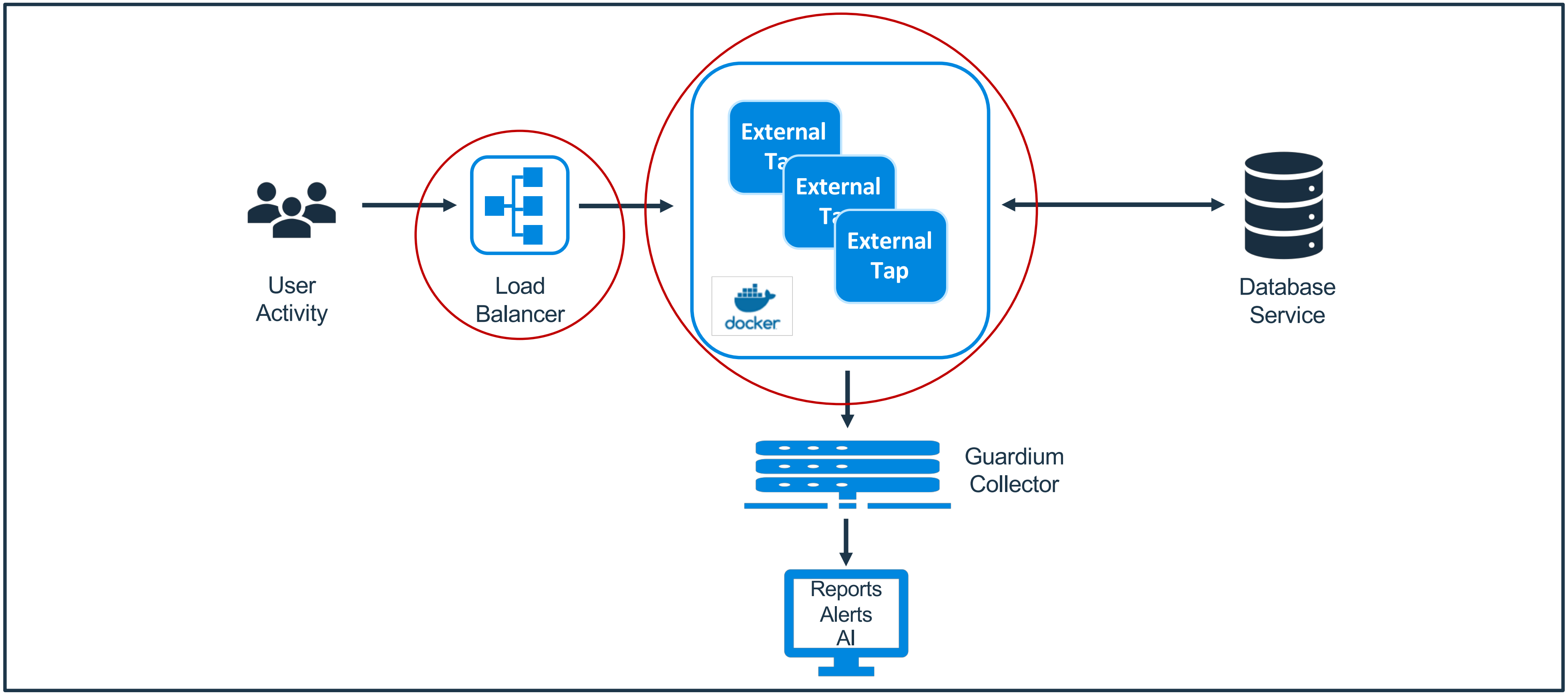
TCP/TLS

Database Service

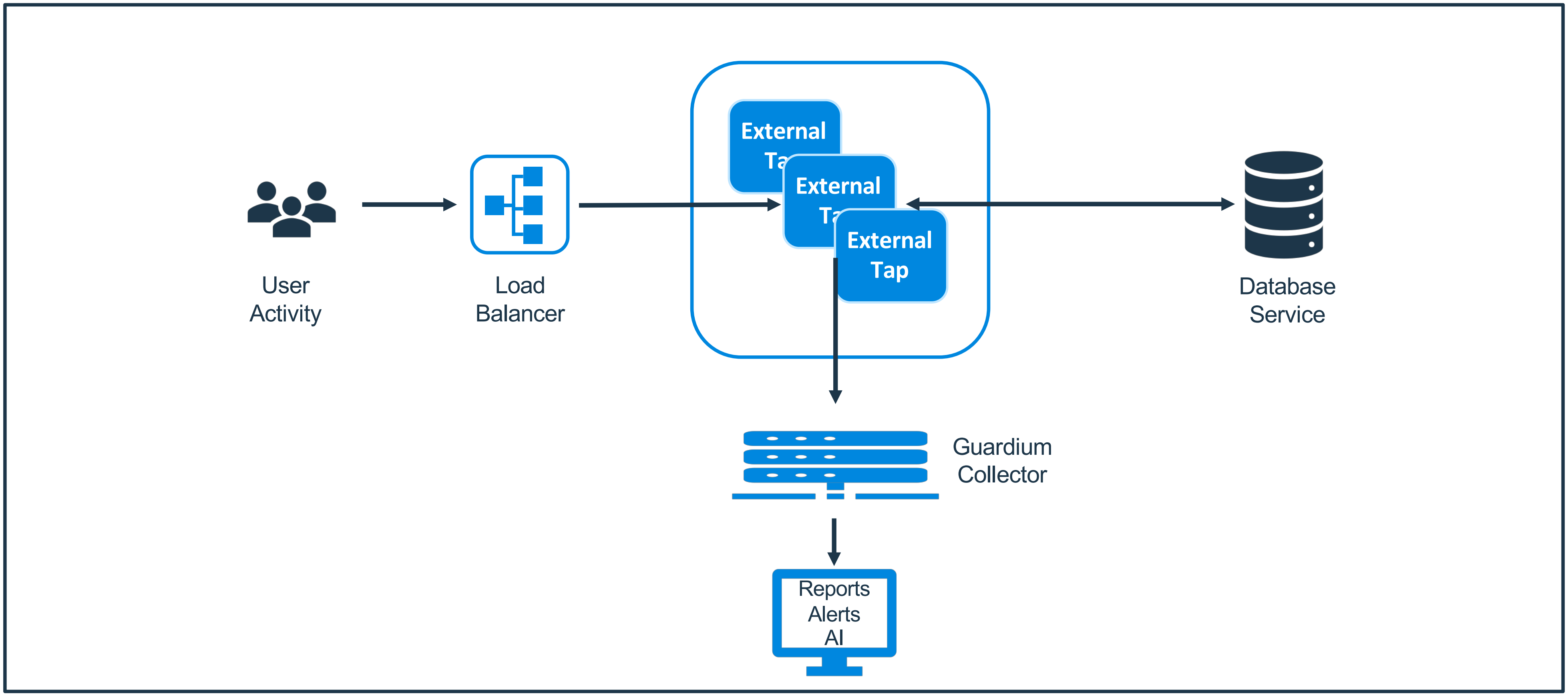
Guardium Collector

Reports
Alerts
AI

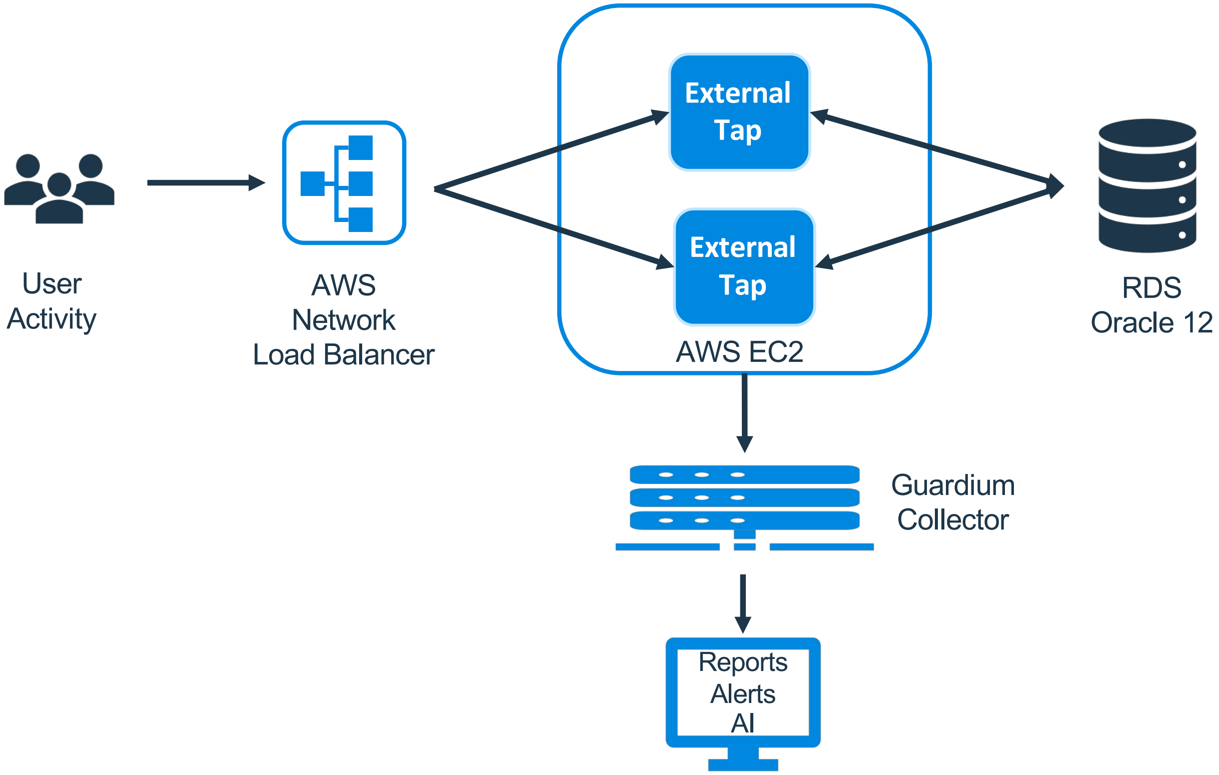
Guardium External-Tap Architecture



Guardium External-Tap Connection Set Up



Demo – AWS


User Activity
AWS Network Load Balancer
External Tap
External Tap
AWS EC2
RDS Oracle 12
Guardium Collector
Reports
Alerts
AI

External Tap - Future Plans

- Kubernetes for deploying, management and scaling

- Additional Functionality
  - ✓ S-GATE Terminate
  - ✓ Data Redaction

Supported Databases

10.6	Roadmap
✓ Oracle/RDS	✓ MySQL
✓ SQL Server/RDS	✓ Postgres SQL
✓ SQL Server/Azure	✓ MariaDB
✓ SQL Data Warehouse	✓ IBM Db2
✓ MongoDB in containers	✓ DB2 Warehouse on Cloud

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