illumio

PRODUCT BRIEF

Protecting Oracle Exadata Workloads With Illumio Core

Illumio Core has attained Oracle Exastack Ready status for Linux, Exadata and Solaris

Why Illumio for Oracle Exadata?

Illumio Core brings a Zero Trust approach to data management on Exadata with an innovative solution to stop attackers by minimizing their access to critical systems.

This helps Oracle Exadata customers:

- Significantly reduce the risk of a breach without impacting the world-class performance they expect from Oracle Exadata hardware and Exadata Cloud Service (ExaCS).
- Protect each database node individually, rather than managing a firewall in front of each rack.
- Support compliance standards such as PCI, FISMA and HIPAA.

With Illumio Core, Oracle Exadata customers can implement a simple, highly scalable, and comprehensive security solution for robust protection of Oracle workloads. Together, they help enterprises securely enable business transformation and satisfy stringent security requirements for compliance, microsegmentation and Zero Trust.

Critical Advantages for Exadata Customers

- **Protection:** Secure network access to Oracle RAC servers, without impacting the platform's high availability, scalability and agility capabilities
- **Reliability:** Validated support on all hosts running Oracle Linux
- **Scalability:** The ability to re-platform Oracle apps to Exadata with security intact, which enables your organization to move to Oracle XaaS offerings with more confidence

Illumio is an Oracle Gold Partner

ORACLE
LINUX
READY

ORACLE
EXADATA
READY

ORACLE
SOLARIS
READY

Tried-and-Tested Zero Trust Segmentation

Illumio and Oracle worked together to test and qualify the Illumio agent

The comprehensive Exadata ecosystem is among the most demanding and mission-critical database-optimized environments. It is imperative that the ecosystem maintains business continuity with minimal impact from any agent

Rigorous testing found that the Illumio agent is extremely lightweight when running on the Exadata platform:

- No observed impact on database node and/or storage cell ejections from the cluster.
- CPU utilization for the VEN agent with traffic running is less than 5% of a single CPU thread.
- No observable difference in processor utilization when running the VEN agent across VEN modes (suspended, idle, test, enforced) on Exadata hardware.

Oracle Exadata customers can feel confident in Illumio and gain complete visibility and control across all bare-metal, virtual machine and cloud environments to stop lateral movement and prevent the spread of cyberattacks.

How Illumio Core Works

Illumio Core delivers Zero Trust Segmentation that provides unified traffic visibility and easy-to-deploy security controls.

It is comprised of two key components:

- **Policy Compute Engine (PCE):** The PCE is the Illumio management console and segmentation controller. It continuously collects telemetry information from the agent, providing real-time mapping of traffic patterns and recommending optimal allow-list rules based on contextual information about the environment, workloads and processes.

- **Virtual Enforcement Node (VEN):** The VEN is a lightweight agent that is installed in the guest OS of a host or endpoint. It collects flow and metadata information and transmits these to the PCE. It also receives the firewall rules from the PCE to program the managed host's native stateful L3/L4 firewalls. Critically, the Illumio VEN is not inline to traffic. It does not enforce firewall rules or route traffic.

Implement Robust Protection for Mission-Critical Environments

Learn more about how Illumio can help significantly reduce the impact of a breach.

Watch the Oracle Exadata overview video
Visit www.illumio.com/products

About Illumio

Illumio, the Zero Trust Segmentation company, prevents breaches from spreading and turning into cyber disasters. Illumio protects critical applications and valuable digital assets with proven segmentation technology purpose-built for the Zero Trust security model. Illumio ransomware mitigation and segmentation solutions see risk, isolate attacks, and secure data across cloud-native apps, hybrid and multi-clouds, data centers, and endpoints, enabling the world's leading organizations to strengthen their cyber resiliency and reduce risk.