# SWIMLANE

## Swimlane Architecture

**1** Swimlane can be deployed as one or more instances on physical hardware, virtual machines and/or cloud-based IaaS platforms. It scales vertically and horizontally, with full HA and DR capabilities.

**2** Swimlane's web tier can be load balanced or distributed across a content delivery network (CDN) to maximize front end performance and availability.

**3** Swimlane's backend database infrastructure is built on a combination of NoSQL and Graph components. NoSQL leverages sharding for scalability and replica sets to allow for HA and DR deployments. Graph DB components use clustering for scalability, HA and DR.

**4** Task Engines manage integrations, data ingestion, and data enrichment. Additional Task Engines can be easily and rapidly deployed to support added scalability.

**5** Swimlane integrates with internal infrastructure to gather relevant user, hosts, and network information, as well as security solutions to update rules, gather alarms, generate tickets and notify analysts.

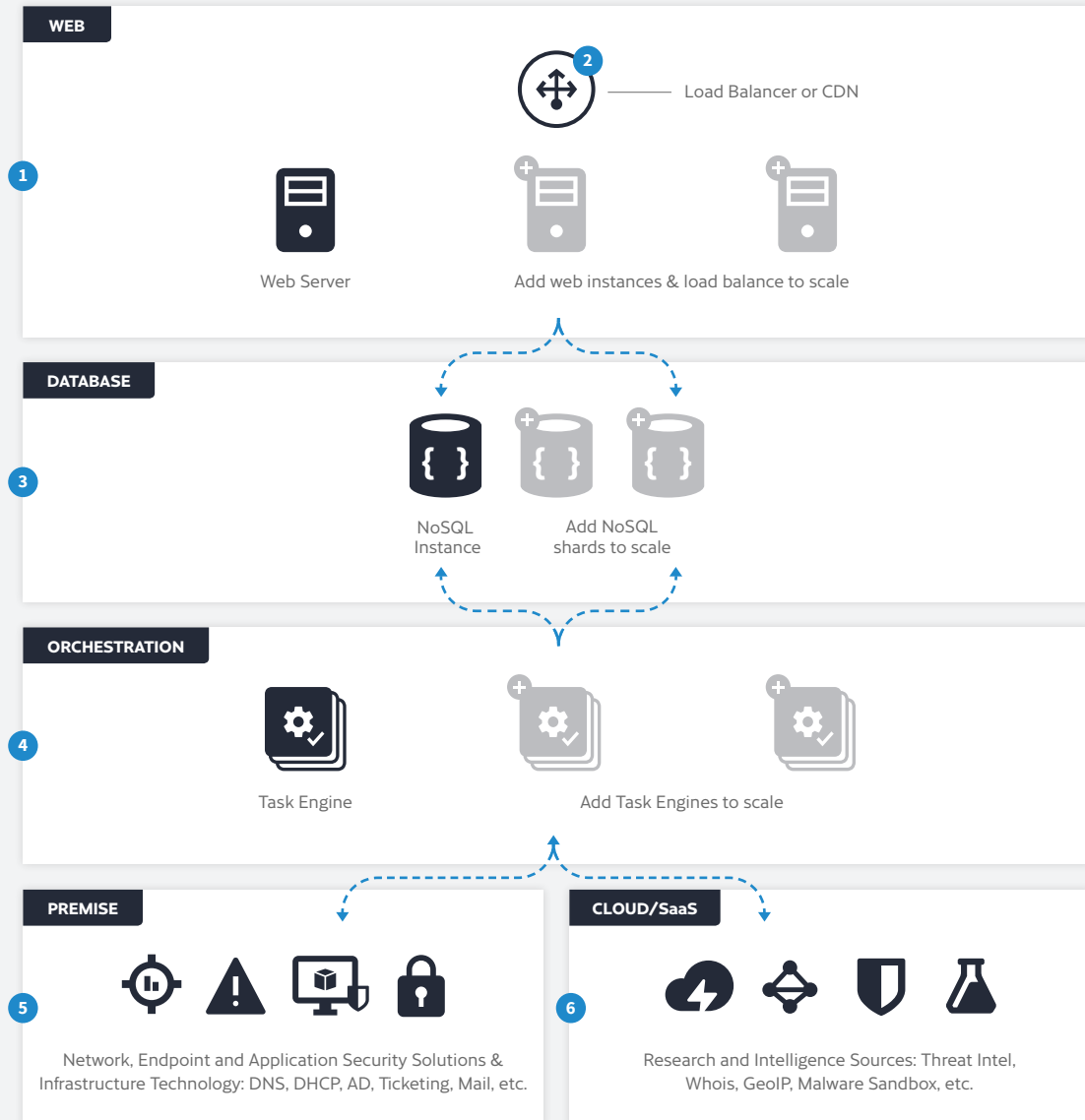**6** Swimlane can leverage cloud-based services such as threat intelligence, whois, malware detonation and other cloud-based or SaaS services.

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**Swimlane delivers enterprise scalability to meet the performance requirements of any environment.**

### Security Orchestration, Automation and Response (SOAR) Platform

Swimlane is architected for maximum deployment flexibility with extensive horizontal and vertical scalability to fit the capacity requirements of any enterprise. It supports granular multitenancy, as well as full high availability (HA) and disaster recovery (DR).

**WEB**

2 — Load Balancer or CDN

1

Web Server

Add web instances & load balance to scale

**DATABASE**

3

NoSQL Instance

Add NoSQL shards to scale

**ORCHESTRATION**

4

Task Engine

Add Task Engines to scale

**PREMISE**

5

Network, Endpoint and Application Security Solutions & Infrastructure Technology: DNS, DHCP, AD, Ticketing, Mail, etc.

**CLOUD/SaaS**

6

Research and Intelligence Sources: Threat Intel, Whois, GeoIP, Malware Sandbox, etc.