



# Security Readiness Assessment

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# Cloud Era Requires Identity-Centric Security



# Unified Threat Intelligence

## Security

Firewall, IDS, IPS, WebProxy, VPN, AV, DLP, DAM, WAF, VA Scanners

## Host

Windows, Linux, Unix

## Applications

3<sup>rd</sup> Party Apps, Oracle Apps, Custom Workloads

**SIEM**

**UEBA**

**CASB**

**IDM**

## Cloud

SaaS, PaaS, IaaS

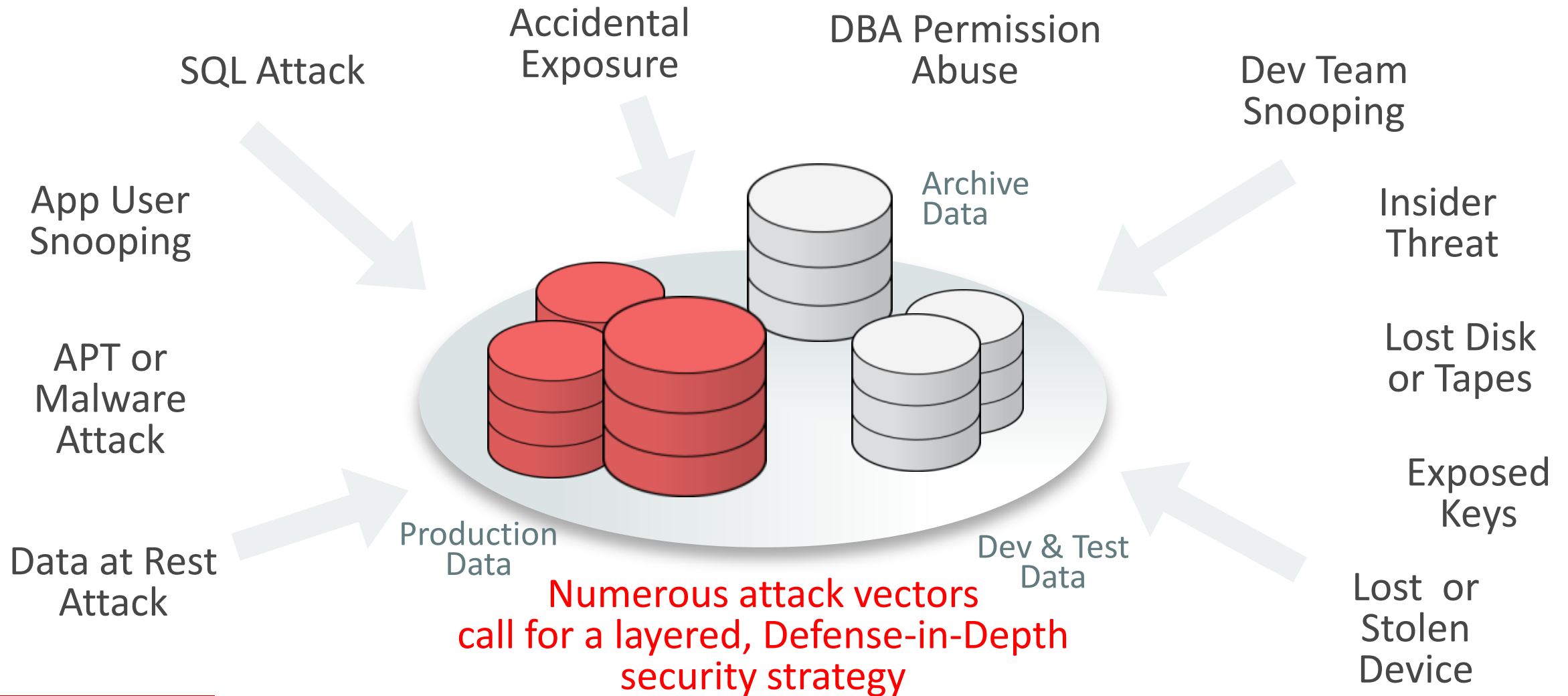
## Networking

Router, Switch, DHCP, DNS, Load Balancer

## Infrastructure

EMM, Middleware, Database, Web Server, Hypervisor

# Database Security: Attack Vectors



# Security Readiness Assessment

Executive level, strategic engagement focused on aligning an organization's enterprise security architecture with business objectives

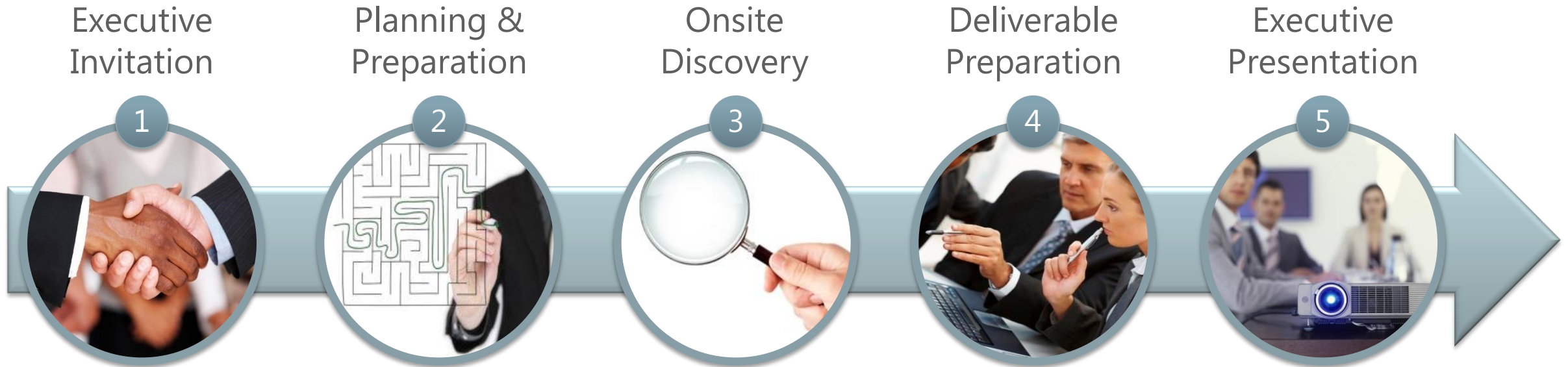
A successful engagement will:

- Document an organization's ***current security and compliance posture***
- Identify existing key ***risks and challenges***
- Outline a desired ***future state architecture***
- Recommend ***actionable steps*** on a ***strategic roadmap*** for achieving the future state
- Show how the recommended initiatives can deliver ***business value***

# Security Readiness Assessment – Focus Areas

User Lifecycle Management	Authentication and Authorization	Identity Repositories	Cloud Services	Database Security	Operational Manageability
<ul style="list-style-type: none"> <li>• Identity Lifecycle Management</li> <li>• Role &amp; Relationship Management</li> <li>• Access Request, Approval and Fulfillment</li> <li>• Password Management</li> <li>• Auditing and Reporting</li> <li>• Attestation/Certification</li> <li>• Privileged Account Management</li> </ul>	<ul style="list-style-type: none"> <li>• Authentication &amp; SSO</li> <li>• Risk-based Authentication and Authorization</li> <li>• Fraud Detection</li> <li>• Fine Grained Authorization</li> <li>• Federation</li> <li>• Social Sign-On</li> <li>• Cloud and API Security</li> </ul>	<ul style="list-style-type: none"> <li>• Directories and databases containing Identity data</li> <li>• Directory Virtualization</li> <li>• Directory Synchronization</li> <li>• Application Authentication</li> <li>• Database Authentication</li> <li>• Operating System Authentication</li> </ul>	<ul style="list-style-type: none"> <li>• Public cloud services employed and planned (SaaS, PaaS, IaaS)</li> <li>• Deployment options (Public, Private, Hybrid)</li> <li>• IAM for Cloud services (provisioning, audit, authentication, authorization, federation)</li> </ul>	<ul style="list-style-type: none"> <li>• Encryption</li> <li>• Data Redaction</li> <li>• Data Masking</li> <li>• Access Discovery and Control</li> <li>• Multi-Factor Authentication</li> <li>• Data Classification</li> <li>• SQL Injection Protection</li> <li>• Audit and Compliance</li> <li>• Centralized Authentication and Authorization</li> </ul>	<p>(Optional area)</p> <ul style="list-style-type: none"> <li>• Security Governance</li> <li>• Configuration Controls</li> <li>• Patch Management</li> <li>• Diagnostics</li> <li>• SLA Management</li> <li>• Performance Tuning</li> </ul>

# Security Readiness Assessment Engagement Plan



# SRA Customer Benefits

Objective: Elevate Security Posture

- Focus on most important **risks and challenges**
- Support **proactive planning** for the future
- **Prioritize** needed improvements to reach a desired future state
- **Facilitate cooperation** on security initiatives



# What Investment is Required?

- ***Strong executive support***
- ***Strong tactical leadership***
- ***Time, attention and candid participation***

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