

ORACLE
AI World



Agentic AI on Vulnerability Management

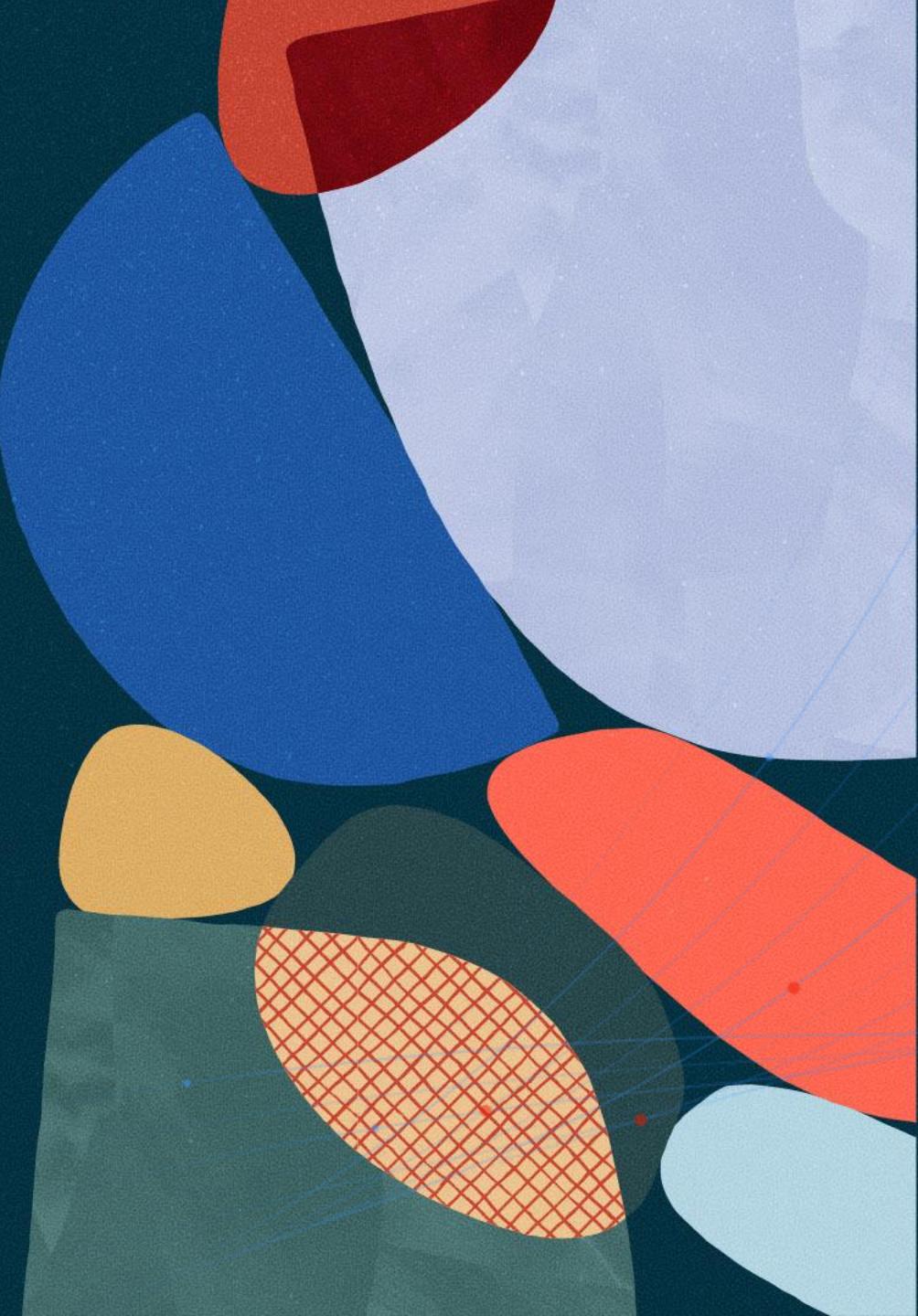
Transforming Cybersecurity from Reactive to Autonomous

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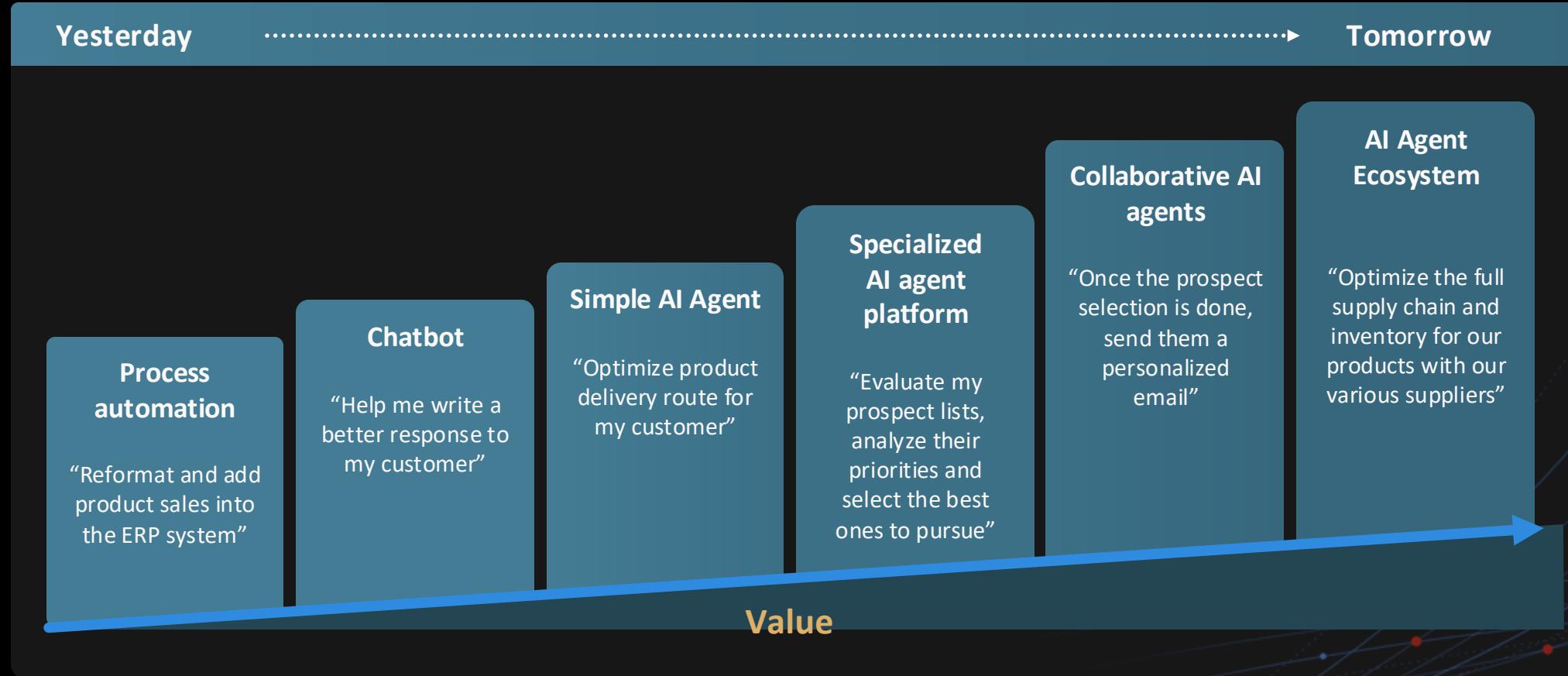


De-risk Your Business

Safe harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

The shift from reactive AI models to autonomous, AI-driven agents is happening



Enterprise Agentic AI Platform – Building Blocks

Perception Module

Cognitive Module

Action
Module

Learning Memory
Module

Collaboration Module

Vector DB

Knowledge Graph

Integration
Real-Time, Batch

LLM Gateway
Thinking, Generic, Distilled

Security Module

Data Silo's

Multi-Cloud/Hybrid Infrastructure

GPU, Compute, Storage, Networks

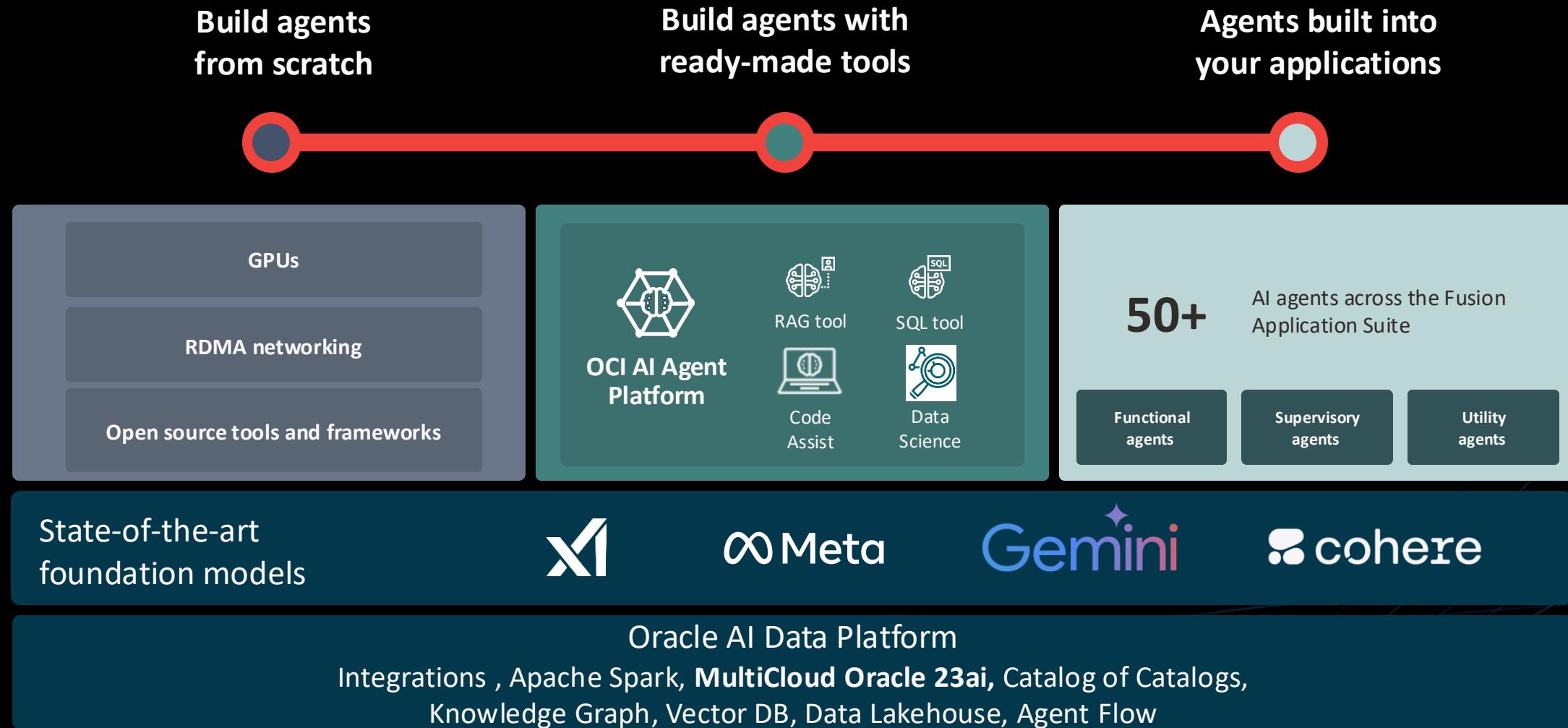


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Oracle provides choice

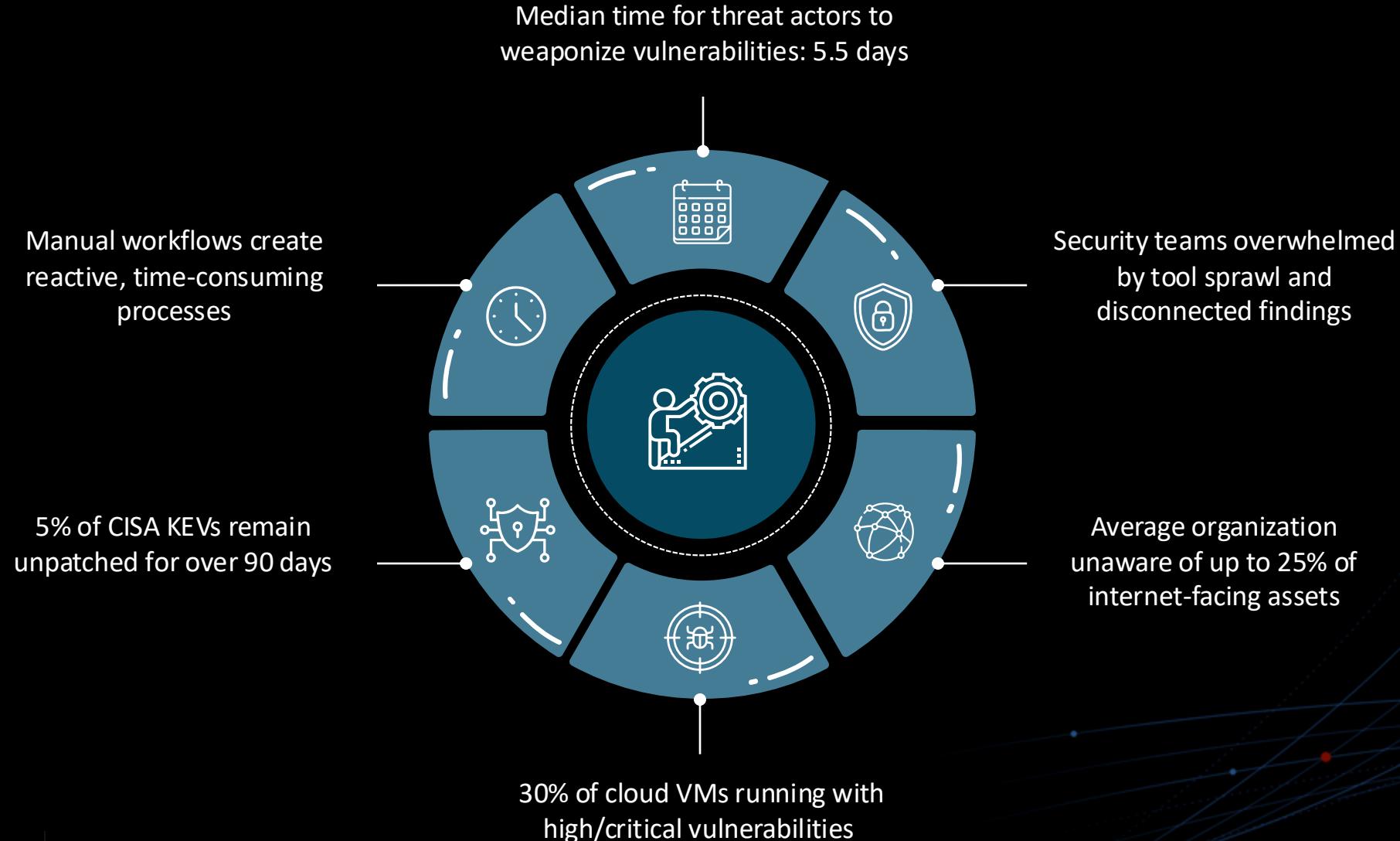
Agents how you want them, where you want them



Let's delve deeper...



Current Vulnerability Management Challenges



What is Agentic AI?

AI systems designed to function as autonomous agents capable of planning, decision-making, and executing complex workflows with minimal human oversight

- ✓ Contextual awareness and multi-step reasoning
- ✓ Goal-driven behavior beyond reactive tasks
- ✓ Self-orchestrating capabilities at machine scale
- ✓ Autonomous identification, prioritization, and remediation



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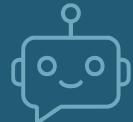


Qualys Agentic AI Solution

Two Main Innovations



Marketplace of Ready-to-use
Cyber Risk AI Agents



Cyber Risk Assistant
(prompt-driven interface)

Key Features



Integrated into
Enterprise TruRisk
Management
(ETM)



Built on Qualys
AI Fabric
architecture



Enables
autonomous
cybersecurity
operations



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Three Foundational Capabilities



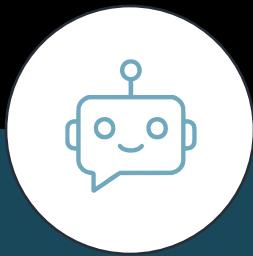
Natural Language Query (NLQ)

- Democratized access to complex security datasets
- Plain-language interface for technical and non-technical users



Intelligent Decision Support

- Self-learning analytical engine
- Contextual risk evaluation based on business impact



Autonomous Response

- Real-time threat detection and remediation
- Reduced Mean Time to Resolution/Remediation (MTTR)



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Agentic AI Architecture Overview

Key Components

- Global MCP Server (entry point)
- Centralized Orchestrator/Coordinator Agent
- Planner/Router Agent
- Module-specific agents: MCP Server, Planner, Data, Action, Helper

Workflow

Trigger ➔ Route ➔ Orchestrate ➔ Plan ➔ Execute ➔ Finalize

Architectural Attributes

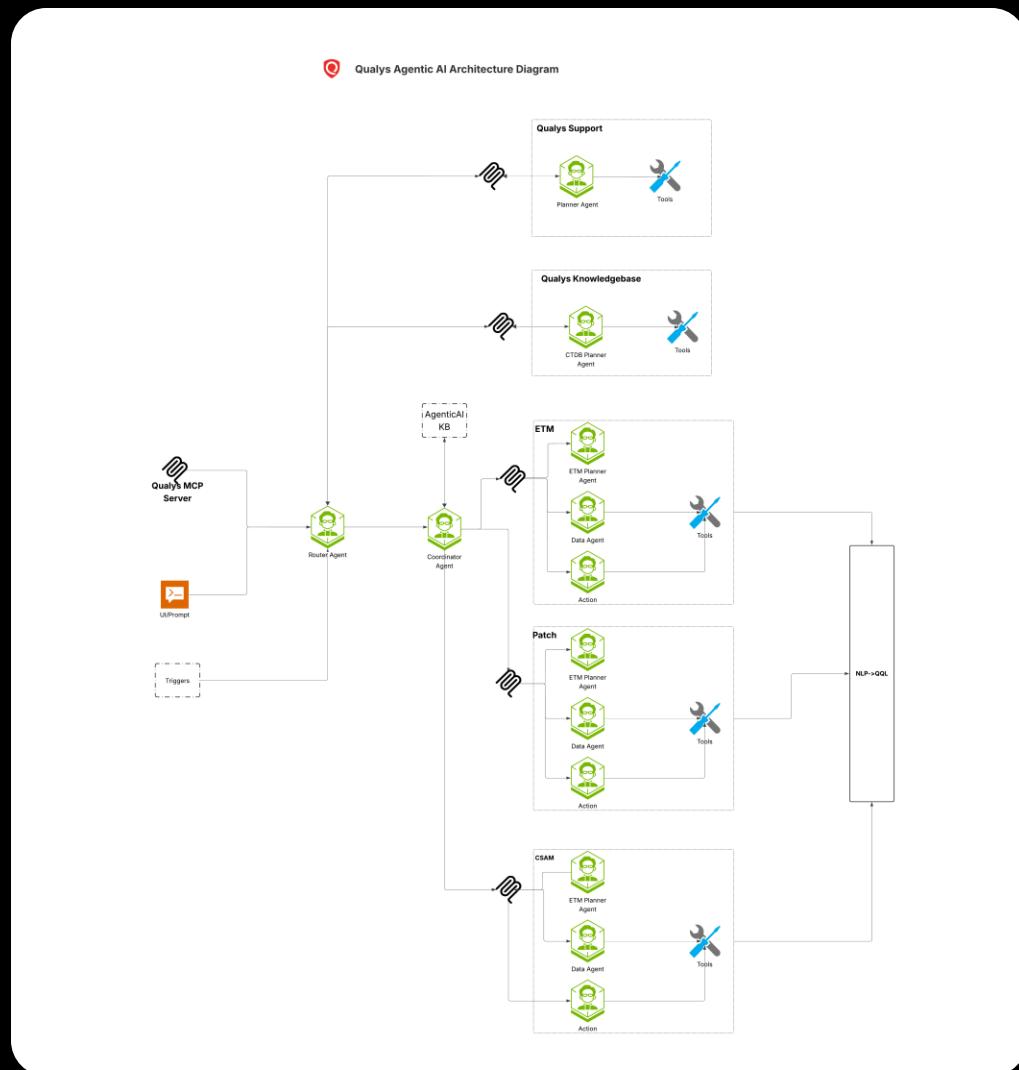
Modularity



Security (JWT)



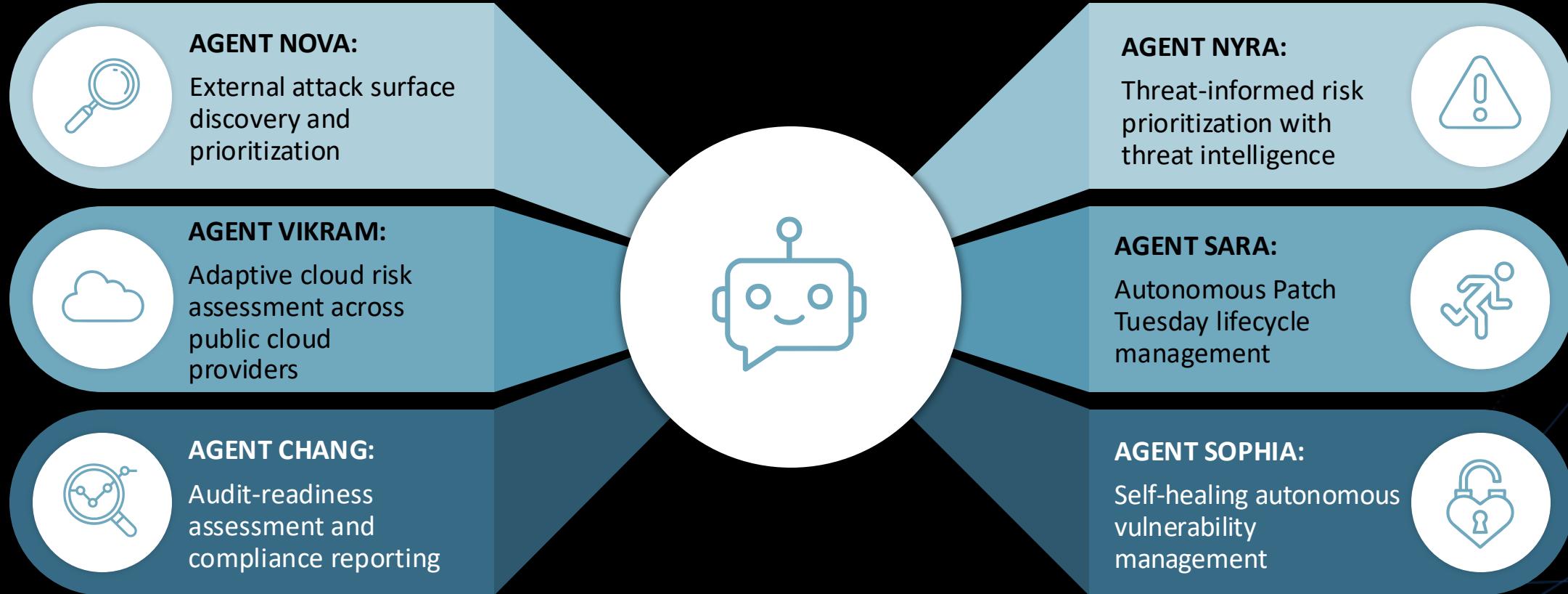
Extensibility



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Specialized Cyber Risk Agents



Key Business Impact & Benefits

Democratized Data Access

Streamline fragmented security data exploration

Enhanced Productivity

Reduce MTTR through autonomous risk reduction

Intelligent Decision Support

Transform data into ranked, actionable insights

Cost Optimization

Focus security teams on strategic initiatives

Proactive Security

Shift from reactive measures to proactive strategies

Measurable ROI

10,000-20,000 hours saved per audit (Agent Chang example)



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De-risk Your Business

Getting Started with Agentic AI



ASSESSMENT AND PLANNING

- Evaluate current vulnerability management maturity
- Identify high-impact use cases for agent deployment



AGENT DEPLOYMENT

- Start with pre-built agents from marketplace
- Use no-code builder for custom agents



INTEGRATION & OPTIMIZATION

- Integrate with existing SIEM/SOAR tools
- Continuous learning and adaptation



The Future of Autonomous Cybersecurity

Key Takeaways

- ✓ Agentic AI transforms vulnerability management from reactive to autonomous
- ✓ Proven architecture with measurable business impact
- ✓ Ready-to-deploy agents for immediate value
- ✓ Scalable platform for future security challenges



Oracle AI Data Platform

Accelerating AI across the enterprise

Master Catalog: Simplified governance for the entire data estate, including AI and Analytics assets

- Single catalog for data & AI assets
- Role based access control (RBAC)
- Lineage & data quality

AI powered developer experience: Build data and AI Apps, orchestrate pipelines and accelerate prototypes into production.

- Single pane of glass for all data roles
- AI Code Assist

Unify Enterprise Data for AI

Unified Data: A complete connected view of all data from internal apps to external sources like suppliers and partners

- Medallion architecture
- Open data formats
- Pre-built connectors

Accelerate AI Development

AI Models and Agents: Accelerate the creation of intelligent, enterprise-ready AI Apps.

- Foundational models
- Custom model libraries
- AI Agent flow frameworks

Any Data



Innovate with AI at scale

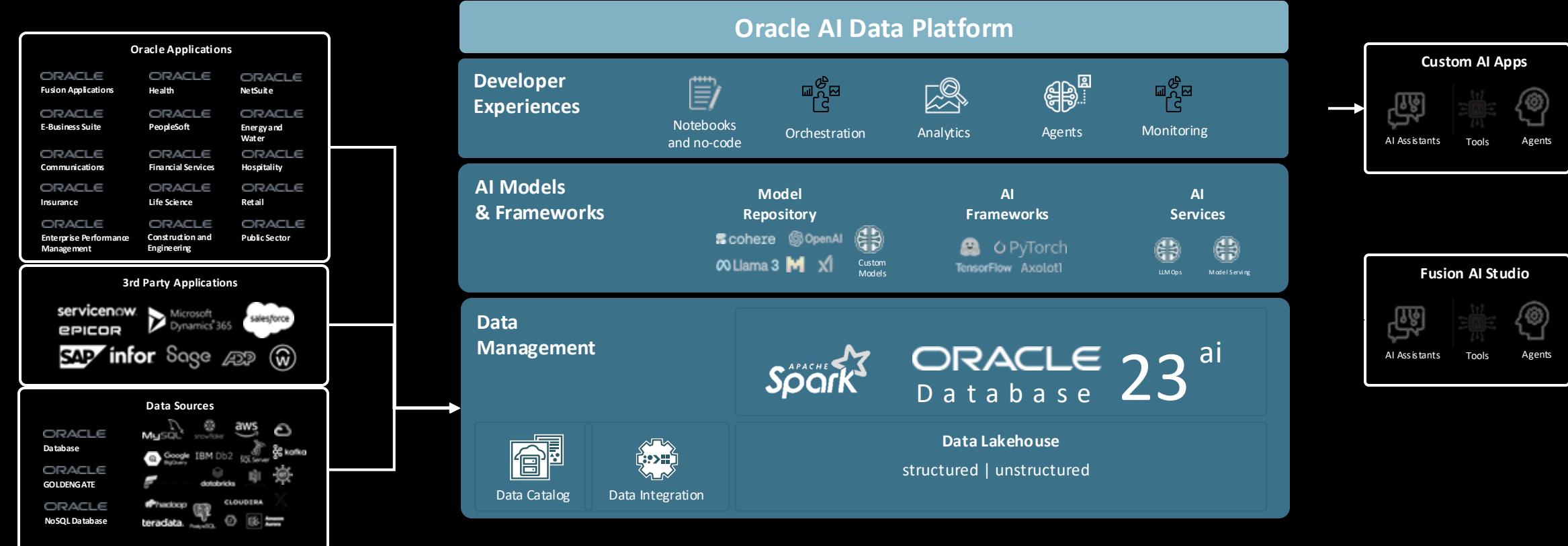
High performance data processing at scale: Open-source flexibility and enterprise-grade proprietary technologies

- Oracle + Open-Source engines
- Multi-development language support

Business Apps and ecosystem Integrated: Native interoperability with Oracle and leading 3rd party services.

- Database and Applications
- Native GoldenGate and FDI integration
- Orchestrate with Fusion AI Studio

Oracle AI Data Platform



Unify Enterprise Data for All

Seamless access to Oracle Application Data, built in governance and lineage, and unified lakehouse architecture for all data types

Accelerate AI App Dev

A single pain of glass and AI tooling for building and deploying custom AI Apps and agents

Innovate with AI at Scale

Leading pricing performance and cross-cloud agent orchestration



Oracle AI for Data is fully Open

We integrate with all the leading LLMs, embedding models, development tool chains, agentic frameworks, etc.



OCI
Generative AI



Cohere



OpenAI



Google



Anthropic



Meta



Grok



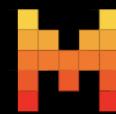
Hugging
Face



Microsoft



Amazon
Bedrock



Mistral AI



Jina AI



Qwen



LAION



LangChain



ONNX



LangGraph



Pytorch



Ollama



Haystack



TensorFlow

Executive Summary

Oracle AI Data Platform provides Apache Spark and Oracle 23ai as an Engineered Data Platform

Oracle 23ai Multi-Cloud Database delivers key features required to design your AI Strategy

- Knowledge Graph
- Vector Search
- Support for Multi Datatypes (Json, Spatial and Structured)
- In Database Machine learning and AI
- Multicloud options(OCI, AWS, GCP and Azure)
- Applied AI Studio

Oracle Integration Solutions

- Oracle Integration Cloud (Zero-ETL and OOB connectors to 450 data sources)
- Golden Gate (1000+ OOB connectors for Data Replication)

Oracle GenAI, Agent and Data Science service provides

- LLM Models
- Out of box tools(RAG and NI2SQL)
- Agent development Kit
- BYOM models from Hugging Face