

ORACLE

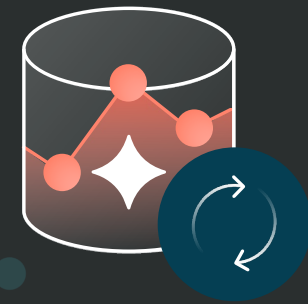
*AUTONOMOUS
AI DATABASE*
**LEARNING
LOUNGE**

Get started with the Select AI Agent Framework and Pre-built AI Agents

Live Webinar Session

Hosted by Marcos Arancibia

Autonomous AI Database
Product Management



Agenda



Mark Hornick

Topics

- A quick recap on **Select AI** and **Select AI Agents**
- **Select AI Agent** use cases
- Introducing Select AI **Pre-built Agents**
- Select AI **Pre-built Agents** demonstrations
- Resources and Documentation

Q&A: **Product Managers** will answer any questions

Before we begin...

This session is for you !!!

Ask your questions using Q&A

Product Managers are monitoring your questions

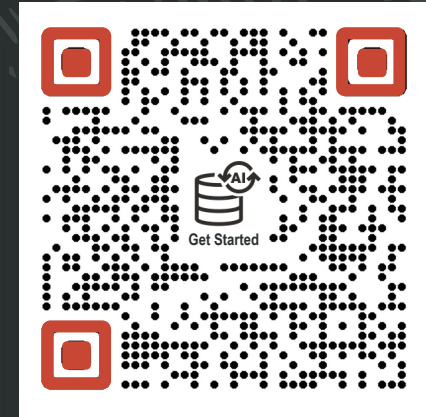
We will share links in Chat

The recording will be made available
in a few days at:

oracle.com/goto/adb-learning-lounge

Important links to bookmark

Links to get you started
and to keep up to date with
Autonomous AI Database



1 Get Started with ADB:
oracle.com/autonomous-database/get-started/

2 Join us: bit.ly/adb-linkedin-grp [@AutonomousDW](https://twitter.com/AutonomousDW)
 
 **Bluesky**
autonomouddb.bsky.social

3 Got a question?
We are on stackoverflow
bit.ly/adb-stackoverflow

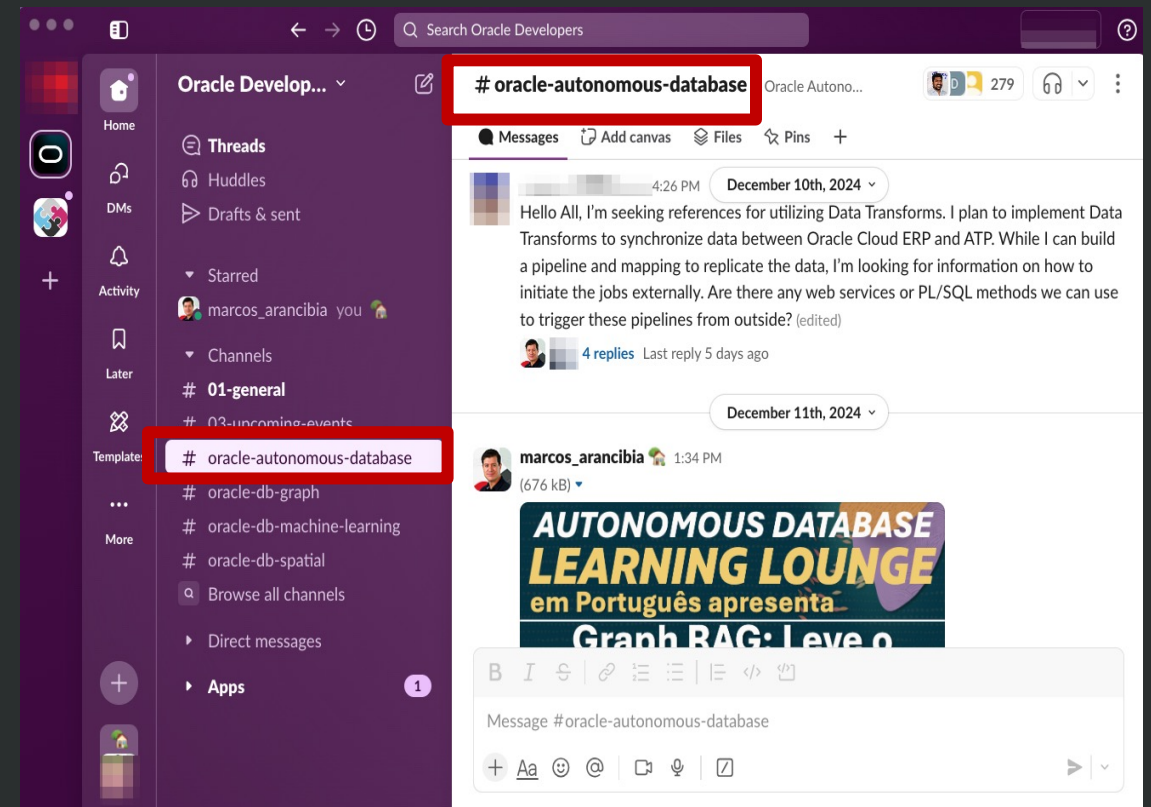
Join us on Developers Slack
(search #oracle-autonomous-database)
bit.ly/odevel_slack



Join our External Slack

STEP 1: Join our Slack workspace at:
bit.ly/odevrel_slack

STEP 2: search for **#oracle-autonomous-database**
at the top and click on the Channel



Speaker



Mark Hornick

Senior Director of Product Mgt
Machine Learning, Select AI



ORACLE

Get started with the Select AI Agent Framework and Pre-built AI Agents

Mark Hornick

AI and Machine Learning
Product Management
April 2026

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.

AI Agents



What's an AI Agent?

Autonomous or semi-autonomous software programs designed to interact with their environment, collect and use data, formulate next actions, and perform tasks to achieve specific goals

Perception

Reasoning

Action

Comparing Generative AI and Agentic AI

Capability	Generative AI	Agentic AI
Main objective	Creating. Content creation (text, image, audio, code, SQL) using deep learning models, e.g., LLMs.	Doing. Perform actions and make decisions to achieve specific goals with minimal human intervention. Automate complex tasks.
Degree of autonomy	Requires explicit instructions. Waits for instructions. Works on narrowly defined tasks.	Can operate independently with minimal human guidance on multi-step tasks. Operate proactively.
Decisioning	Limited to generating outputs within prompt constraints.	Can assess situations, reason through problems, plan steps, and adapt strategies to achieve goals and solve problems. Uses “perceive, reason, act, and learn” approach to complete objectives.
Mode of interaction	One-time response to specific prompts. Chatbot conversations can extend memory across invocations. Can adapt to feedback provided in subsequent prompts.	Can handle complex, multi-step scenarios to achieve goals. Can respond/adjust behavior in real-time based on environment feedback or data with iterative task completion and solution evaluation.
Real-world integration	Primarily performs operations within digital environments.	Can interface with external systems, tools, and APIs to accomplish tasks.

See also:
[What is Agentic AI and How Does it Work?](#)
[Generative AI Vs. Agentic AI: The Key Differences Everyone Needs To Know](#)



Agentic AI Use Cases

Examples of enterprise AI agent use cases



Database developer-focused AI agent use cases

NL2SQL Data Retrieval

Query databases using natural language – automatically interpret questions, handle ambiguity, and generate charts from your data

Database Lifecycle

Provision and manage your database through natural, conversational interactions

Schema/code inspect

Explore, understand, and manage your database objects using simple conversational queries

Jira

Work with Atlassian Jira through natural language – issue search, issue insight generation, project and user lookup, etc.

Cloud Repository

Run repository operations conversationally for environments like GitHub, AWS CodeCommit, and Azure Repos

Network Load Balancer

Manage, configure, and monitor network load balancers

Cloud Storage

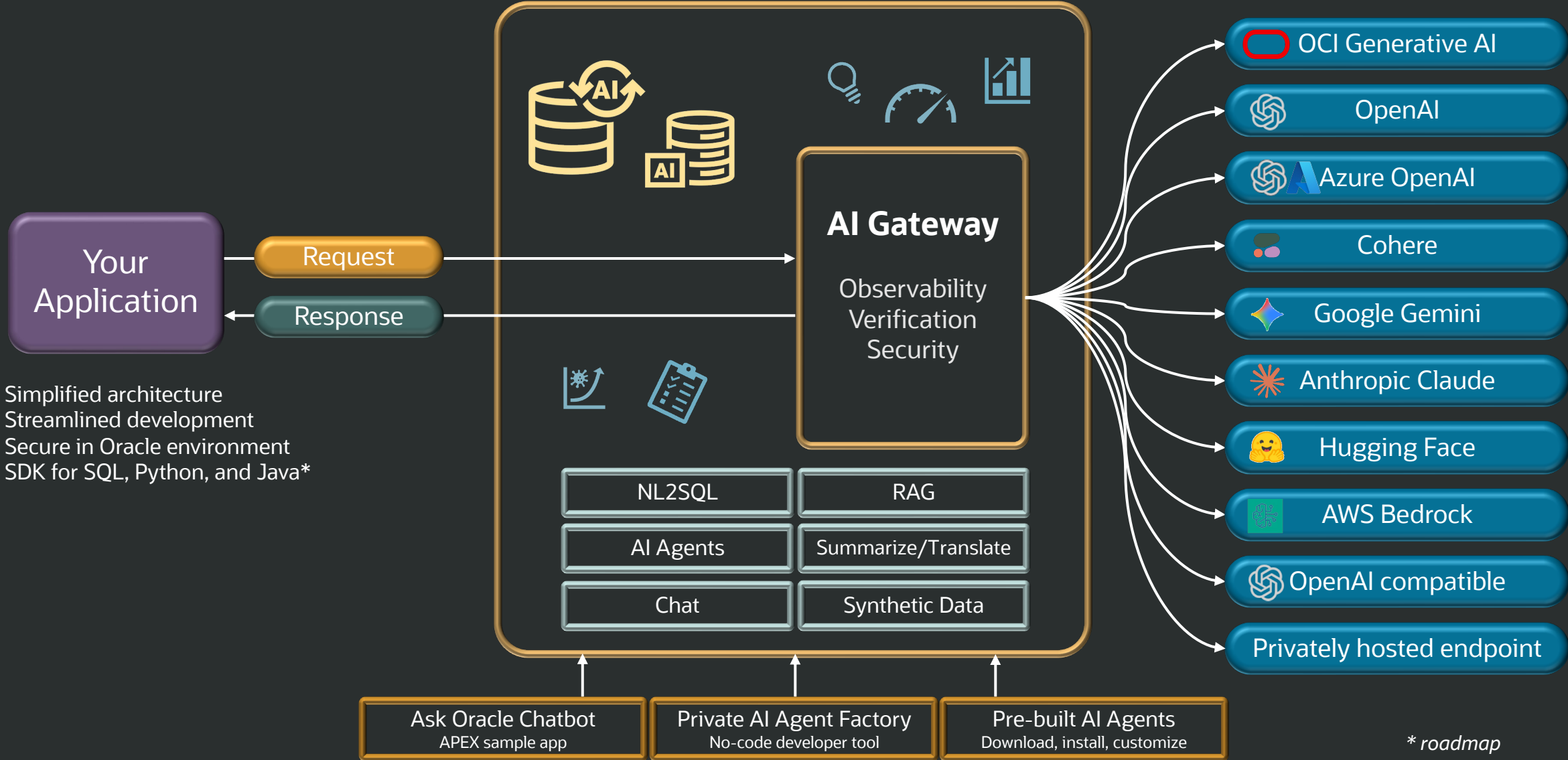
Manage buckets, objects, lifecycle policies, retention rules, and data replication using natural language commands

Vault

Enable secure, conversational management of sensitive credentials –create, inspect, rotate, and schedule deletion of credentials

Brief overview of Oracle Select AI

Oracle Select AI



Simplified architecture
Streamlined development
Secure in Oracle environment
SDK for SQL, Python, and Java*

* roadmap



Oracle Select AI functionality

SQL Query

Ask natural language questions about your database data

Assist database developers in writing SQL queries against their application data

Assist database developers to understand SQL queries – step by step

Return structured query results in text to present to users

Chatbot

Generate content with simple or complex custom prompts easily from your database – e.g., email generation, sentiment analysis

Ask questions and get more relevant and accurate responses by using content from your trusted, private documents

RAG

SDG

Create “realistic” data in database tables to support, e.g., testing/debugging applications and interfaces

Build interactive and autonomous agents that perform tasks and use tools

Agents

Summarize

Generate a summary of long text with choice of output style and processing method

Translate text from one language to another – simplify app-dev and assist in translating LLM results to the desired language

Translate

AI Profile

Configure how you want Select AI to behave for SQL generation

Choose your AI provider

Choose your LLM

Work with your full schema or specific tables and views

Create profile →

- Profile name
- AI provider
- Credential
- Model
- Object list

```
BEGIN
  DBMS_CLOUD_AI.create_profile(
    profile_name => 'openai_gpt4',
    attributes =>
      '{"provider": "openai",
       "credential_name": "OPENAI_CRED",
       "model": "gpt-4o",
       "object_list": [{"owner": "MOVIESTREAM", "name": "movies"},
                       {"owner": "MOVIESTREAM", "name": "streams"},
                       {"owner": "MOVIESTREAM", "name": "actors"},
                       {"owner": "MOVIESTREAM", "name": "genre"},
                       {"owner": "MOVIESTREAM", "name": "customer_segment"}]}'
  );
END;
```

Oracle Select AI capabilities by database type and version

Capability	Autonomous AI Database		Oracle AI Database	
	26ai	19c	23.26.1	19.30
Chat	✓	✓	✓	✓
NL2SQL	✓	✓	✓	✓
Feedback	✓		✓	
Auto Object Selection	✓		✓	
RAG	✓		✓	
SDG	✓	✓	✓	✓
AI agents	✓	✓	✓	✓
Summarization	✓	✓	✓	✓
Translation	✓	✓	✓	✓



Introduction to the Oracle Select AI Agent Framework

Oracle Select AI Agent Framework

DBMS_CLOUD_AI_AGENT package

Simple, automated framework to build, deploy, and manage AI agents

Built-in **ReAct** agentic pattern

Tool options

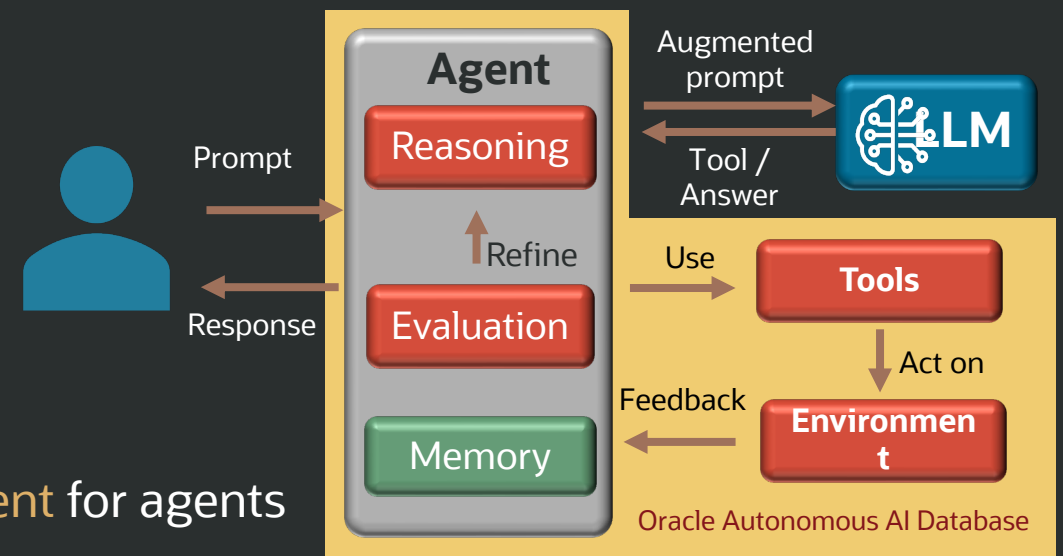
- Build custom tools using PL/SQL
- Invoke external tools using REST
- Use cloud functions such as OCI Functions and AWS Lambda functions
- Use Select AI-provided pre-built tools

Automatic short-term and long-term **memory management** for agents

Multi-turn chat using **conversations**

Auto-scalable in Autonomous AI Database

Open Agent Specification-format compatible agent import and export

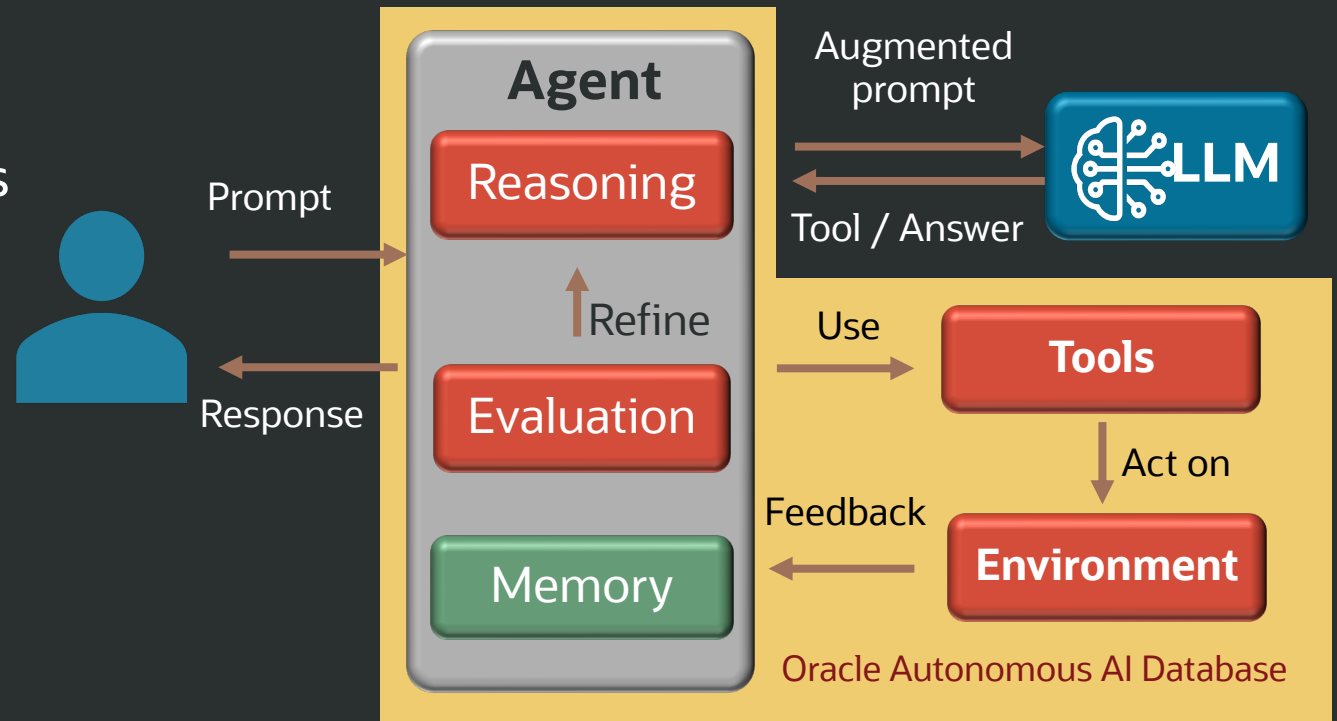


ReAct Agentic Pattern

Reasoning + Acting – allows your LLM to “think” before it “acts”

Supports majority of use cases today

- **Reasoning**
Chain-of-thought on needed tasks
- **Tool use**
Select and invoke tools to affect environment
- **Evaluation/reflection**
Loop until outcome is satisfactory or termination criteria met



Agentic AI Memory = Hidden Data Risk

Beware of “shadow data stores” from LangChain, LangGraph, and similar frameworks

Short/log-term memory, vector stores, conversation history, and tracing logs often become **shadow data stores**

Customer data, embeddings, and conversation history can quietly leak into:

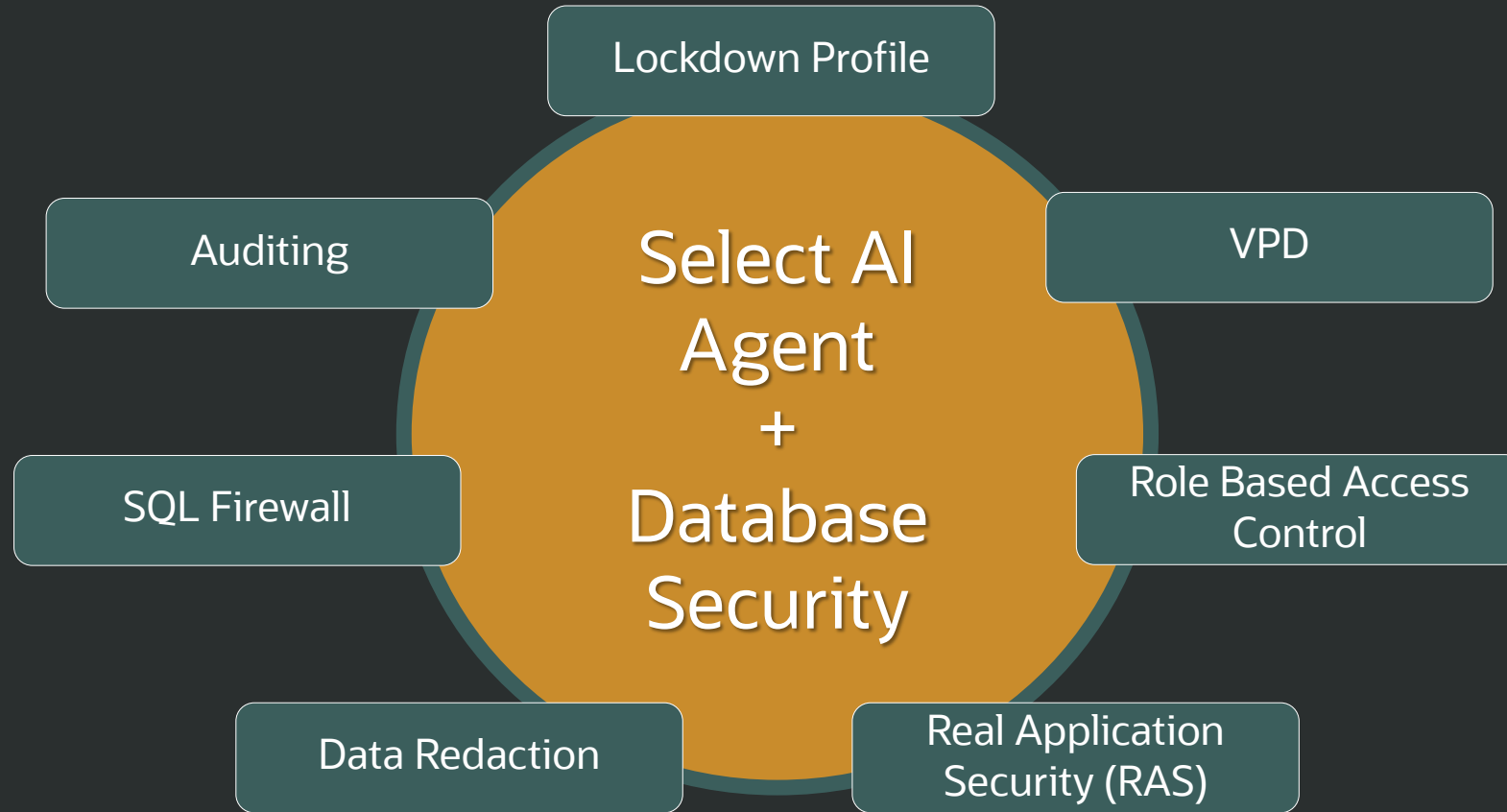
- External vector DBs
- Developer laptops
- SaaS logging/tracing systems
- Unmanaged cloud buckets

Select AI Agent solves this by keeping agentic intelligence inside your database

- No external memory → no shadow copies of customer data
- Agent access strictly follows SQL privileges
- Encrypted vector embeddings stay inside the DB
- Avoid prompt logs leaking into third-party tools
- Full auditing and lifecycle governance built-in



Integrated with Oracle Deep Data Security



Select AI profile enforces read-only sessions, verifies object-list adherence and data protection

Blog: [Building AI Apps with Select AI and Virtual Private Database](#)
Blog: [Introducing Oracle Deep Data Security](#)
Webpage: [Safely unleash AI on enterprise data with Deep Data Security](#)
Documentation: [Introduction to Oracle AI Database Security](#)



When to you Select AI vs Select AI Agent framework?

Select AI

Using the LLM exclusively with custom prompt or system-augmented prompt

Benefit from functionality automation while maintaining full control over LLM interactions

- NL2SQL
- Retrieval Augmented Generation
- Text translation and summarization
- Etc.

Select AI Agent framework

Create multi-step workflows that also benefit from LLM-guided actions

Invoke local database functionality (functions, procedures) as well as functionality from external systems

Create autonomous and semi-autonomous workflows, formulate next actions, and perform tasks to achieve specific goals

Oracle Select AI capabilities by database type and version

Capability	Autonomous AI Database		Oracle AI Database	
	26ai	19c	23.26.1	19.30
Chat	✓	✓	✓	✓
NL2SQL	✓	✓	✓	✓
Feedback	✓		✓	
Auto Object Selection	✓		✓	
RAG	✓		✓	
SDG	✓	✓	✓	✓
AI agents	✓	✓	✓	✓
Summarization	✓	✓	✓	✓
Translation	✓	✓	✓	✓



Oracle Select AI Prebuilt AI Agents

Oracle Select AI pre-built, customizable AI agents

Accelerate innovation and realize the benefits of agentic automation

Ready-to-use AI agents

- Pre-built, AI-powered agents for rapid enterprise automation and integration
- Uses your AI profile and relevant credentials

Versatile capabilities out-of-the-box

- NL interaction with OCI services like ADB provisioning, Network Load Balancer, Object Storage, and Vault
- Schema inspect/code assist AI agent
- Enhanced NL2SQL query generation and RAG workflows

Easy customization and deployment

- Download, adapt, and extend sample code to fit your organization's needs
- Built using the Select AI Agent framework

Reduces complexity

- Reduces development time and technical hurdles
- Empowers teams to quickly implement and tailor AI solutions
- Improves operational efficiency and consistency

Business impact

- Faster adoption of advanced automation
- Boosts accessibility to AI-driven workflows
- Frees technical staff to focus on strategic priorities



Oracle Select AI pre-built AI Agents

Use as is or customize using complete code, documentation, and setup guides from [GitHub repo](#)

- **NL2SQL Data Retrieval Agent**
- **Autonomous AI Database Provisioning and Lifecycle Agent**
- **Database Inspect Agent (26ai only)**
- **Insight Agent for Jira**
- **Cloud Repository Connector**
- **OCI Network Load Balancer Agent**
- **OCI Object Storage Agent**
- **OCI Vault Agent**

...and more on the way

"Show average revenue per customer this quarter"

"List all OCI regions I am subscribed to"

"If I rename this column, what code do I need to update?"

"Create a public Load Balancer with a TCP listener on port 443"

"Create a bucket with name monthly sales wins"

"List all compartments available for Vault operations"

"Initialize GitHub repo handle for repo my-repo owner my-org"

"Search Jira issues for payment timeout"

Autonomous AI Database Provisioning and Lifecycle Agent

Enables natural-language–driven provisioning, management, and advisory operations for ADB

Key features

- Provision and manage Autonomous AI Databases conversationally
- Run lifecycle operations with confirmations
- Inspect configuration and backups
- Discover OCI resources dynamically (regions, compartments, databases)
- Automate complex OCI workflows through reusable AI tools
- Perform guided administrative workflows using natural-language instructions

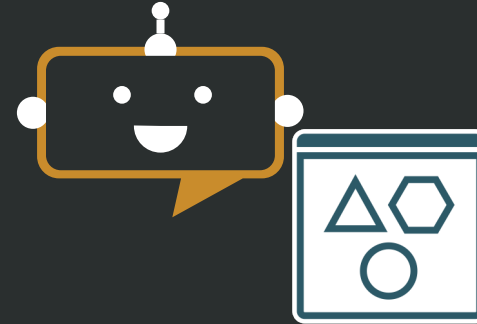


OCI Object Storage Agent

Enables natural-language-driven automation and advisory capabilities for OCI Object Storage

Key features

- Manage buckets and objects
- Apply lifecycle and retention policies
- Configure replication
- Run multipart upload flows
- Monitor work requests



“Check whether the bucket finance-reports exists in the Mumbai region”

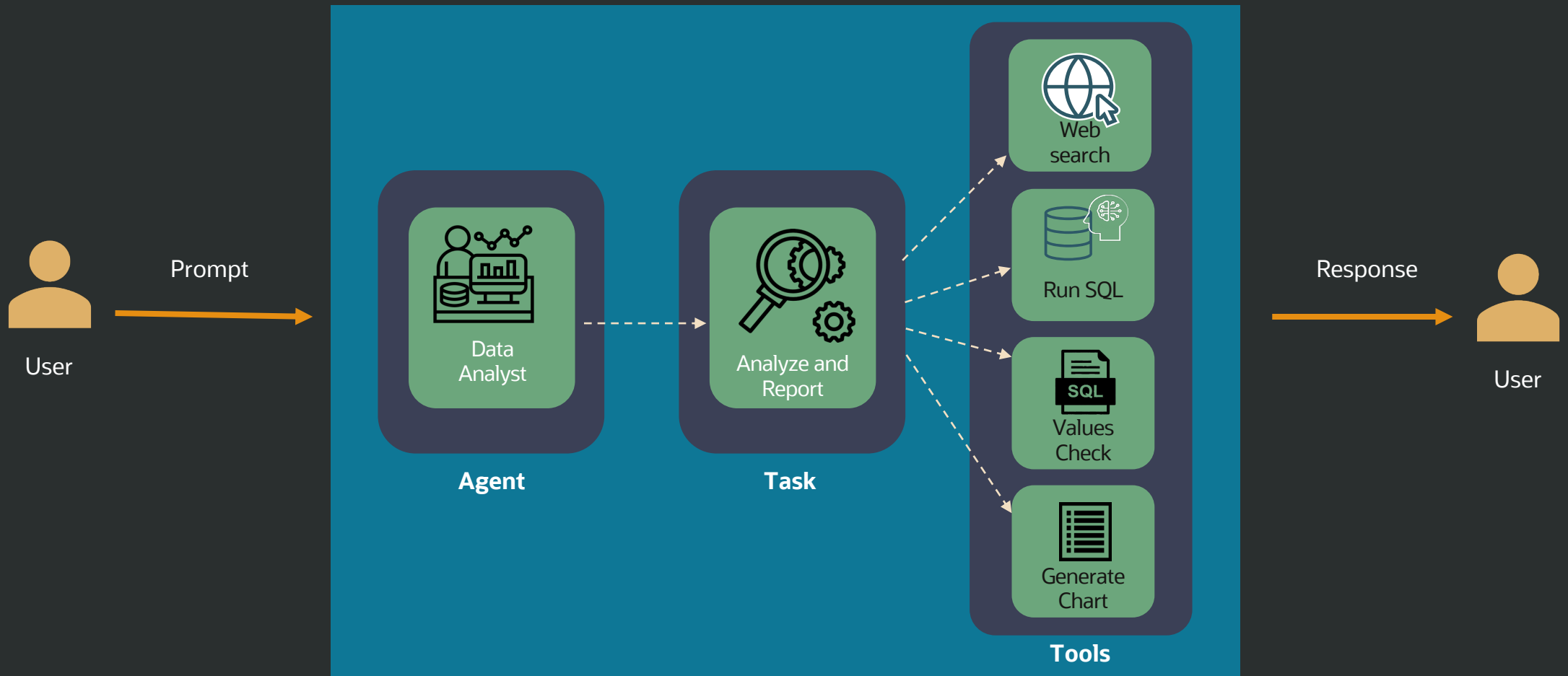
“Get the Object Storage namespace for the Mumbai region”

“Get the object q1-report.pdf from the bucket finance-reports”


“Upload an object named summary.json to the bucket finance-reports with content type application/json”

“Make the bucket finance-reports writable”

Oracle Select AI Agent using Agentic NL2SQL



Oracle Select AI Agent using NL2SQL with web search demonstration

☰  Ask Oracle powered by Select AI 📌 Pin 🗑️ Delete 👤 askoracle ▾

+
🗑️
✍️
🔍
🔍
🔄

+ Ask Question 🎤 ⬆️

Switch Agent Team SALES_HISTORY ▾



Oracle Select AI Inspect built using Select AI Agent - demonstration

☰ Ask Oracle powered by Select AI askoraclenew ▾

- + New Chat
- 🔍 Search Chats
- 🗑️ Delete Chats
- 📌 Pinned Chats >
- 🕒 History ▾

What tasks can yo... ✎ ✎ ✕

Code inspect

Ask Oracle

+ Ask Question 🎤 ⬆

Switch Agent Team DATABASE_INSPECT ▾



Anatomy of a prebuilt AI agent

Pre-built Autonomous AI Database-focused AI agents using Oracle Select AI Agent

<https://github.com/oracle-devrel/oracle-autonomous-database-samples/autonomous-ai-agents>

oracle-devrel / oracle-autonomous-database-samples

Code Issues 3 Pull requests Actions Projects Security Insights

Files

main

Go to file

- .github
- apex
 - Ask-Oracle
 - images
 - select-ai-chat
 - autonomous-ai-agents
 - cloud_repo_connector
 - database_inspect
 - jira_insight
 - nl2sql_data_retrieval
 - oci_autonomous_database
 - oci_network_load_balancer
 - oci_object_storage
 - oci_vault
 - README.md
 - migration-tools

oracle-autonomous-database-samples / autonomous-ai-agents

Add file ...

sandeepkhot CLOUD_REPO_CONNECTOR ✓ 7a80806 · 5 days ago History

Name	Last commit message	Last commit date
..		
cloud_repo_connector	CLOUD_REPO_CONNECTOR	5 days ago
database_inspect	CLOUD_REPO_CONNECTOR	5 days ago
jira_insight	CLOUD_REPO_CONNECTOR	5 days ago
nl2sql_data_retrieval	Jira Inspect Agent V1	2 weeks ago
oci_autonomous_database	Jira Inspect Agent V1	2 weeks ago
oci_network_load_balancer	Jira Inspect Agent V1	2 weeks ago
oci_object_storage	Jira Inspect Agent V1	2 weeks ago
oci_vault	Jira Inspect Agent V1	2 weeks ago
README.md	JIRA_INSPECT_AGENT	last week

README.md



Common Prerequisites for Prebuilt AI Agents

Provision/use your Oracle Autonomous AI Database or Oracle AI Database

Enable user for Select AI with DBMS_CLOUD_AI and DBMS_CLOUD_AI_AGENT packages

Use ADMIN or another user with required privileges to create packages, grants, and agent objects

Have required network access and credentials available for any external integrations used by the agent

Create your Select AI profile to support the agent functionality

Each agent subfolder may include service-specific prerequisites



Prebuilt AI Agent installation

Each agent implementation uses two PL/SQL scripts

Layer	Script Pattern	Purpose
Tools Layer	*_tools.sql	Installs core PL/SQL logic and creates Select AI Agent tools
Agent Layer	*_agent.sql	Creates sample Task, Agent, and Team objects using the corresponding tools

Enabling...

- Reusable tools across multiple agents and ADB MCP Server
- Agent templates that can be customized for new domains and workflows
- Clear separation between infrastructure logic and agent behavior

OCI Object Storage agent

Name	Last commit message	Last commit date
..		
README.md	Jira Inspect Agent V1	last month
oci_object_storage_agent.sql	Updated the agent code	3 weeks ago
oci_object_storage_tools.sql	Updated the agent code	3 weeks ago



Agent Configuration using **SELECT_AI_AGENT_CONFIG**

A shared configuration table used by agent installers and runtime code to store agent-specific parameters
Each agent stores the keys it needs, e.g., credential names, feature flags, compartment names, integration endpoints

Defaults can still be applied by tool logic when optional values are not present

Column	Description
ID	System-generated unique identifier
KEY	Configuration parameter name
VALUE	Configuration value (stored as CLOB)
AGENT	Logical agent name used to scope configuration

OCI Object Storage agent

```
INSERT INTO SELECTAI_AGENT_CONFIG ("KEY", "VALUE", "AGENT")  
VALUES ('COMPARTMENT_NAME', 'OML', 'OCI_OBJECT_STORAGE');  
  
INSERT INTO SELECTAI_AGENT_CONFIG ("KEY", "VALUE", "AGENT")  
VALUES ('CREDENTIAL_NAME', 'MY_DB_CREDENTIAL', 'OCI_OBJECT_STORAGE');
```



Oracle Select AI Agent Framework Objects

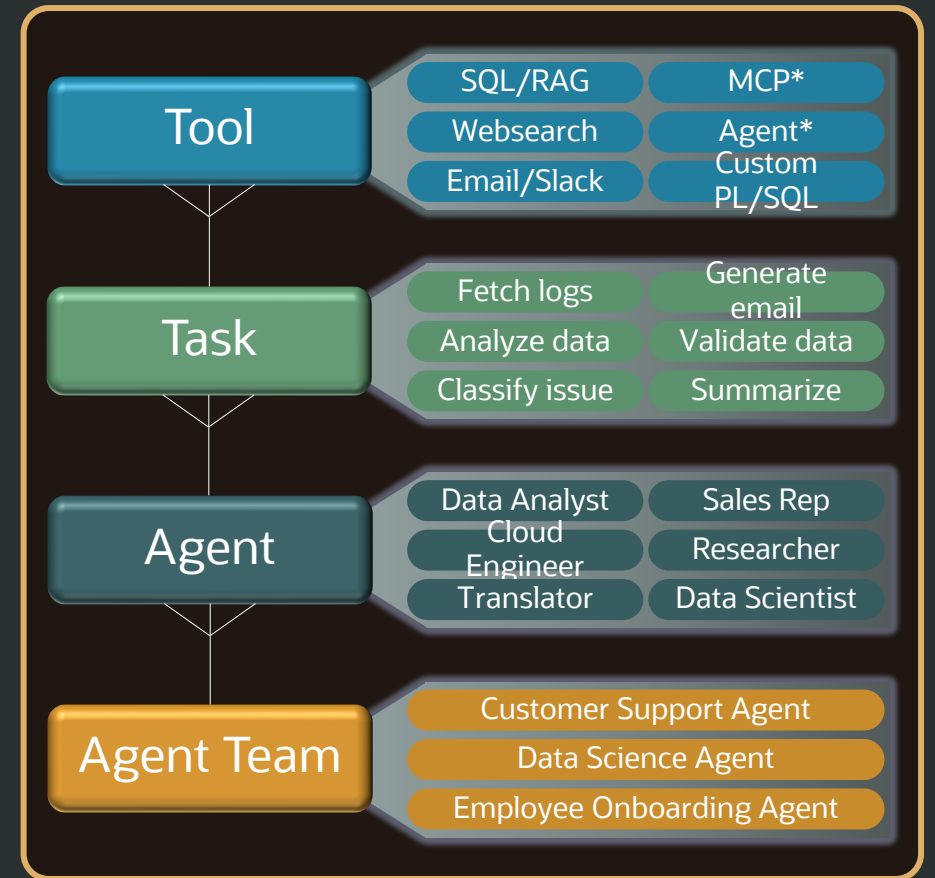
Oracle Select AI Agent framework

A simple framework to build, deploy, and manage AI agents

Developers define agents declaratively using PL/SQL, and coming soon, Python

Core components

- **Tool** – a software feature or integration that enables an AI agent to perform a specific function or interact with external systems as part of an automated workflow
- **Task** – a specific action or unit of work assigned to an AI agent to perform as part of an automated workflow
- **Agent** – an actor with a clearly-defined role that performs assigned tasks as part of an overall workflow
- **Agent Team** – one or more agents that may collaborate to complete tasks within an automated workflow



* roadmap



Oracle Select AI Agent framework – Tool Creation

Create function

```
CREATE OR REPLACE FUNCTION update_customer_order_status (  
  p_customer_name IN VARCHAR2,  
  p_order_number  IN VARCHAR2,  
  p_status        IN VARCHAR2  
) RETURN CLOB IS  
  v_customer_id  customers.customer_id%TYPE;  
  v_row_count    NUMBER;  
BEGIN  
  SELECT customer_id INTO v_customer_id  
  FROM customers WHERE name = p_customer_name;  
  
  UPDATE customer_order_status SET status = p_status  
  WHERE customer_id = v_customer_id  
    AND order_number = p_order_number;  
  
  v_row_count := SQL%ROWCOUNT;  
  
  IF v_row_count = 0 THEN  
    RETURN 'No matching record found to update.';  
  ELSE RETURN 'Update successful.'; END IF;  
EXCEPTION WHEN OTHERS THEN RETURN 'Error: ' || SQLERRM;  
END;
```

Create tool

```
BEGIN  
  DBMS_CLOUD_AI_AGENT.CREATE_TOOL(  
    tool_name => 'Update_Order_Status_Tool',  
    attributes => '{"instruction": "This tool updates the database  
to reflect return status change. Always confirm username and order  
number with user before update status",  
                  "function": "update_customer_order_status"}',  
    description => 'Tool for updating customer order status in  
database table.'  
  );  
END;
```

Oracle Select AI Agent framework – Task Instructions...simple example

Product Return Agent –rule-based workflow

Process a product return request from a customer: {user_prompt}

1. Ask customer the reason for the return (price match or product is defective)
2. **If price match:**
 - a. Request customer to provide a price match link
 - b. Use websearch tool to get the price for that price match link
 - c. Ask customer if they want a refund
 - d. Send email notification only if customer accept the refund
3. **If defective:**
 - a. Process the defective return.
 - ...

Oracle Select AI Agent framework – Task Instructions

Product Return Agent – rule-based workflow

```
BEGIN
DBMS_CLOUD_AI_AGENT.CREATE_TASK(
  task_name => 'Handle_Product_Return_Task',
  attributes => '{"instruction": "Process a product return request from a customer:{query}' ||
    '1. Ask customer the order reason for return (no longer needed, arrived too late, box broken, or defective)' ||
    '2. If no longer needed:' ||
    '  a. Inform customer to ship the product at their expense back to us.' ||
    '  b. Update the order status to return_shipment_pending using Update_Order_Status_Tool.' ||
    '3. If it arrived too late:' ||
    '  a. Ask customer if they want a refund.' ||
    '  b. If customer wants a refund, confirm refund processed and update the order status to refund_completed' ||
    '4. If the product was defective or the box broken:' ||
    '  a. Ask customer if they want a replacement or a refund' ||
    '  b. If a replacement, inform customer replacement is on its way and they will receive a return' ||
    '    shipping label for the defective product, then update the order status to replaced' ||
    '  c. If a refund, inform customer to print out the return shipping label for the defective product, ' ||
    '    return the product, and update the order status to refund' ||
    '5. After the completion of a return or refund, ask if you can help with anything else.' ||
    '  End the task if user does not need help on anything else",
  "tools": ["Update_Order_Status_Tool"]}'
);
END;
```

Oracle Select AI Agent framework – Agent creation

Create agent – specify AI profile and role

```
BEGIN
  DBMS_CLOUD_AI_AGENT.CREATE_AGENT (
    agent_name => 'Customer_Return_Agent',
    attributes => '{"profile_name": "OCI_GENAI_GROK",
                  "role": "You are an experienced customer return agent who deals with customers return requests."}');
END;
```

Oracle Select AI Agent framework – Agent Team creation

Create agent team – specify agent and task pairs

```
BEGIN
  DBMS_CLOUD_AI_AGENT.CREATE_TEAM(
    team_name => 'Return_Agency_Team',
    description => 'This return agency team uses a customer return agent with the handle product return task to illustrate building an agent to process product return requests. It uses multiple tools to illustrate database interaction, email generation, and RAG-based product recommendation.',
    attributes => '{"agents": [{"name": "Customer_Return_Agent", "task": "Handle_Product_Return_Task"}], "process": "sequential"}');
END;
```

SQL command line

```
SQL> EXEC DBMS_CLOUD_AI_AGENT.set_team(team_name => 'Sales>Returns_Team');
```

```
SQL> select ai agent I want to return a smartphone case
```

RESPONSE

Could you please tell me the reason for returning the smartphone case? Is it no longer needed, arrived too late, box broken, or defective?

```
SQL> select ai agent the item is defective
```

RESPONSE

I'm sorry to hear that the smartphone case is defective. Would you like a replacement or a refund?

```
SQL> ...
```

PL/SQL RUN_TEAM function with explicit conversation id

```
-- Create conversation
CREATE OR REPLACE PACKAGE my_globals IS
    l_team_cov_id varchar2(4000);
END my_globals;

DECLARE
    l_team_cov_id varchar2(4000);
BEGIN
    l_team_cov_id := DBMS_CLOUD_AI.create_conversation();
    my_globals.l_team_cov_id := l_team_cov_id;
    DBMS_OUTPUT.PUT_LINE('Created conversation with ID: '
        || my_globals.l_team_cov_id);
END;
```

```
DECLARE
    v_response VARCHAR2(4000);
BEGIN
    v_response := DBMS_CLOUD_AI_AGENT.RUN_TEAM(
        team_name => 'Return_Agency_Team',
        user_prompt => 'I want to return a smartphone case',
        params => '{"conversation_id": "' ||
            my_globals.l_team_cov_id || '"}'
    );
    DBMS_OUTPUT.PUT_LINE(v_response);
END;
```

Oracle AI Database Private Agent Factory

Oracle AI Database Private Agent Factory

Empower **business users** and **engineers** to launch smart assistants with no coding required

Agent Factory is a **no-code platform** designed to help enterprises **rapidly deploy intelligent agents** by leveraging:

- **Pre-built** agents
- **Custom-built** agents (drag-and-drop - Agent Builder)

Free to use with your Oracle database

[Download: Oracle AI Database Private Agent Factory](#)

[Get started: Oracle Ai Database Private Agent Factory](#)

Features



Pre-built Agents

Instantly deploy agents for common use-cases



Visual Agent Builder

Drag-and-drop builder



Component Variety

LLMs, prompts, data-sources, vector store, agents, tools



Oracle Components

SQL queries, Vector Search, OML, Statistical & Analytical functions, etc



Live Testing

Built-in console for response simulation



Serialization

Agent / Workflow saved as yaml files



Interoperability

Same representation as in-database agents



Security

SSO and built-in Role Management

Private Agent Factory 25.3 integrates Oracle Select AI

Use a no-code, visual agent-building interface for **Select AI** and the **Select AI Agent framework**

Create **in-database AI agents** and **hybrid agents** using dedicated Select AI nodes

Visually configure...

- Select AI credentials, profiles, and vector indexes
- Customizable RAG pipeline: chunk size, overlap, similarity threshold, distance metric, and more
- Natural-language-to-SQL (NL2SQL) using metadata from your database schema
- RAG and NL2SQL tools in a single flow



Private Agent Factory with Oracle Select AI

The screenshot displays the Oracle AI Database Private Agent Factory interface. The top left shows the logo and the text "ORACLE AI Database Private Agent Factory". The top right shows the user email "echelon_admin@oracle.com".

The interface is divided into several sections:

- AGENT_FACTORY:** Includes "Getting started", "Template gallery", and "My custom flows".
- PRE-BUILT AGENTS:** Includes "Knowledge agents" and "Data analysis agents".
- UTILITIES:** Includes "Agent builder", "Prompt lab", "Datasets", and "Select AI".
- SETTINGS:** Includes "Application settings", "Data sources", "User management", and "Model management".

The main workspace shows a workflow titled "My workflows / Return Agency Team". The workflow consists of four steps:

- Select AI Tool:** Configured with Tool Type "DB Functions", Tool Name "Update_Order_Status_Tool", and Select database "SelectAldb".
- Select AI Task:** Configured with Task Name "Handle_Product_Return_Task" and Instruction "Process a product return request from a customer; [query] 1. Ask customer the order reason for return (no longer needed, arrived too late)".
- Select AI Agent:** Configured with Agent Name "Customer_Return_Agent", Select database "SelectAldb", and Select profile "GENAI".
- Select AI Agent Team:** Configured with Team name "Return_Agency_Team" and Process "Sequential".

The "Components" panel on the left lists various tools and utilities, with "SELECT AI" highlighted in a red box. The "Tools" section includes "Bug tools", "Calculator", "MCP server", "REST API tools", "Text combiner", and "Wikipedia search". The "Utilities" section includes "Sticky Note".

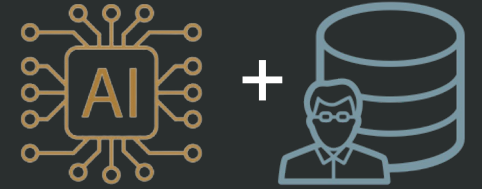


Oracle Select AI Agent and Pre-built AI Agents roadmap



Roadmap: **Select AI Admin**

Agent for SQL and database performance



Enable via new action 'admin'

SQL Optimization + Performance

Diagnose performance issue on SQL, generate solutions or optimized rewritten SQL

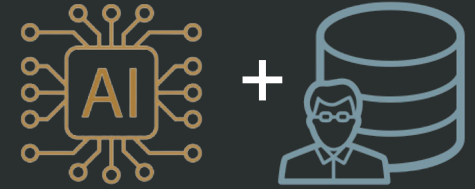
Application Performance

Diagnose performance issue on user applications

Database Performance

Diagnose performance issue on user database

Roadmap: Select AI Admin



```
SQL> SELECT AI ADMIN find any issues with queries on employee table
```

```
RESPONSE
```

```
-----  
The SQL statement `select * from employee` has an issue related to the Cost-Based Optimizer (CBO) system statistics. The observation indicates that the workload CBO statistics are not gathered, and the CBO is using default values. This can lead to suboptimal execution plans.
```

```
To address this, you should gather system statistics using the `DBMS_STATS.GATHER_SYSTEM_STATS` procedure. Here is an example of how you can do this:
```

```
BEGIN  
  DBMS_STATS.GATHER_SYSTEM_STATS('INTERVAL', interval => 60);  
END;
```

```
This command gathers system statistics over a 60-minute interval. Adjust the interval as needed based on your workload and system activity.
```

Supervisor agent pattern

Adaptive orchestration

A supervisor agent evaluates each task at runtime and dynamically plans which to perform next

Specialization

Focus worker agents on well-defined, narrow capabilities, improving accuracy and modularity

Simplify the developer task

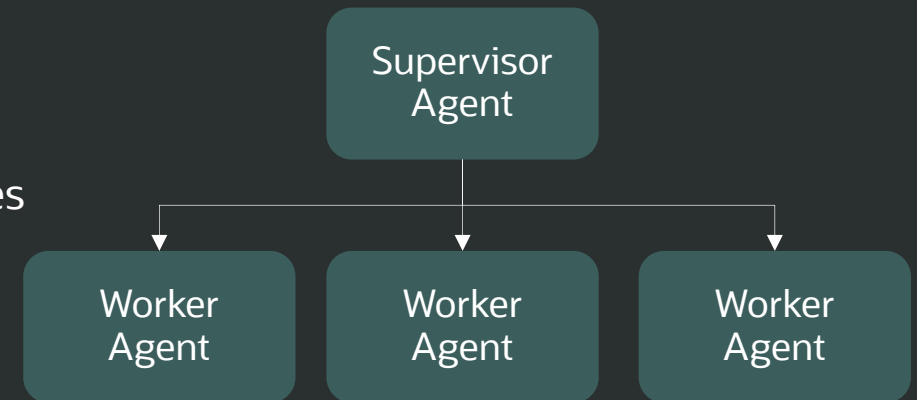
Avoid manually designing inter-agent workflows—the supervisor manages context propagation and coordination

Scalability

Add or remove worker agents without redesigning the overall system architecture

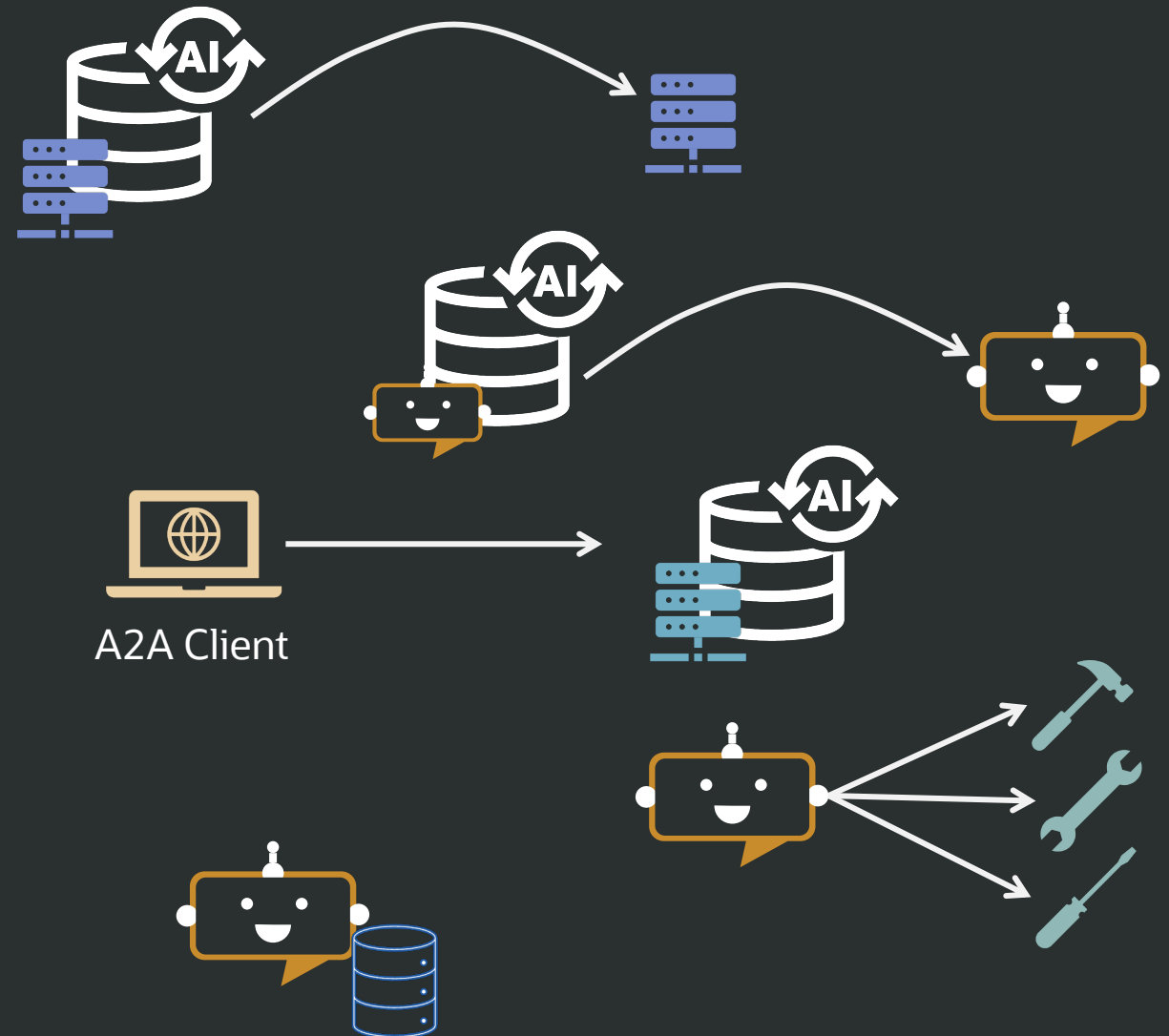
Auditability

Task history tables record delegation – enabling traceability and observability



Additional roadmap items

- ❖ Remote MCP servers as tools
- ❖ Remote agents
- ❖ Select AI agent teams via A2A
- ❖ Agentic planning and parallel tool usage
- ❖ Agent memory management



LiveLab:

Get started with AI Agents using Select AI on Autonomous AI Database highlighting a Sales Return Agent

https://livelabs.oracle.com/ords/r/dbpm/livelabs/run-workshop?p210_wid=4229

The screenshot shows the LiveLabs search results page. At the top, there is a search bar with the text "Get started with AI Agents using Select AI on Autonomous Database". Below the search bar, there are options to "Clear Search" and "Copy Search Link". A "Sort By" dropdown menu is set to "Most Popular". On the left, there is a filter for "Number of Workshops: 1" and a "Level" filter with options for "Beginner (1)", "Intermediate", and "Advanced". The main content area displays a workshop card for "Get started with AI Agents using Select AI on Autonomous AI Database". The card includes a lightbulb icon, a description: "Experience the new Select AI Agent feature on Oracle Autonomous AI Database. Using the (...)", a duration of "1 hr, 21 mins", and "3438 Views". A red Oracle logo is visible in the bottom right corner of the card.

The screenshot shows the details page for the workshop "Get started with AI Agents using Select AI on Autonomous AI Database". At the top, there is a search bar with the text "Search for workshops and sprints...". Below the search bar, there are "Share" and "Start" buttons. The duration is listed as "1 hour, 21 minutes". The "Outline" section lists seven labs: "Lab 1 - Environment setup", "Lab 2 - Build Select AI agent", "Lab 3 - Refine your agent", "Lab 4 - Generate an Email using Select AI Agent", "Lab 5 - Create a RAG tool using Select AI Agent", "Lab 6 - Inspect agent runs", and "Lab 7 - Use Ask Oracle demo app". The "Prerequisites" section lists: "Sample - Familiarity with Database is desirable, but not required", "Some understanding of AI concepts and terms will be helpful", and "Familiarity with Oracle Cloud Infrastructure (OCI) is helpful". The "About This Workshop" section contains a video player with a play button and a description: "There are many agentic AI frameworks, but only one is built into your database: Select AI Agent. Autonomous AI Database introduces the DBMS_CLOUD_AI_AGENT package, which provides a simple framework to build, deploy, and manage AI agents. Build custom tools using PL/SQL. Invoke external tools using REST. Leverage pre-built tools for RAG and NL2SQL. And do this with multi-turn chat conversations, context retention, and auto-scaling." Below the video player, there is a paragraph: "In this workshop, learn about agentic AI and how to build tools, tasks, and agents to support common use cases."



For more information on Select AI...

Blogs

- <http://blogs.oracle.com/machinelearning>
- [Announcing Oracle Select AI Pre-Built AI Agents](#)
- [Announcing the Oracle Autonomous AI Database MCP Server](#)
- [Ask Oracle Chatbot powered by Select AI](#)
- [Build Your Agentic Solution using Oracle Autonomous AI Database Select AI Agent - an Autonomous Agent Framework](#)
- [Announcing Oracle Autonomous AI Database Select AI for text translation and summarization](#)
- [Supercharge SQL: Unleashing AI Queries with Oracle Autonomous AI Database Select AI](#)
- [6 Simple Tips for Better Text-to-SQL Generation using Oracle Autonomous AI Database Select AI](#)
- [Accelerate innovation with enterprise data, OCI Generative AI, and enhanced security](#)

Documentation

[Select AI](#)

[Select AI Agent](#)

[Select AI for Python](#)

[Agent Factory integration with Select AI](#)

[ADB MCP Server](#)

Repository

[Ask Oracle chatbot GitHub repository](#)

[Select AI Pre-built Agents GitHub repository](#)

Try on Oracle LiveLabs

[Get Started with Oracle Autonomous AI Database MCP Server](#)

[Get started with AI Agents using Select AI on Autonomous AI Database](#)

[Chat with Your Data in Autonomous AI Database Using Generative AI](#)

[Develop AI RAG Apps with Autonomous AI Database Select AI](#)

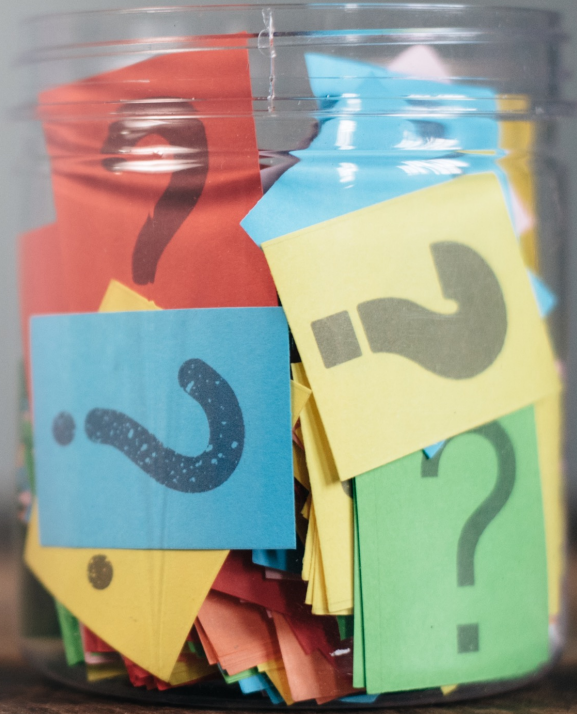
Videos

[Get Started with Select AI on Autonomous AI Database](#)

[Simplify Developing RAG Applications](#)

Thank you

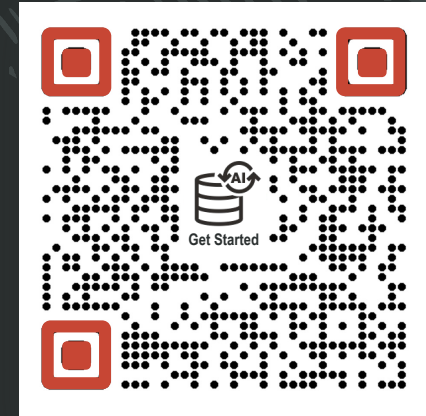
Mark Hornick



Q&A is open

Important links to bookmark

Links to get you started
and to keep up to date with
Autonomous AI Database



1 Get Started with ADB:
oracle.com/autonomous-database/get-started/

2 Join us: bit.ly/adb-linkedin-grp [@AutonomousDW](https://twitter.com/AutonomousDW)
 
 **Bluesky**
autonomouddb.bsky.social

3 Got a question?
We are on stackoverflow
bit.ly/adb-stackoverflow

Join us on Developers Slack
(search #oracle-autonomous-database)
bit.ly/odevel_slack



Final Thoughts

oracle.com/goto/adb-learning-lounge

The screenshot shows the Oracle Autonomous AI Database Learning Lounge page. At the top, there's a navigation bar with 'ASK TOM', a search bar, and links for 'Questions', 'Live', 'Recordings', 'Resources', and 'Classes'. The main heading is 'Autonomous AI Database Learning Lounge'. Below it, there's a paragraph describing the lounge series and a link to 'Get Started with Autonomous AI Database'. A list of other language versions is provided. The 'Upcoming' section features a card for 'Get started with the Select AI Agent Framework and Pre-built AI Agents' by Marcos Arancibia and Mark Hornick. The 'Replays' section is sorted by 'Newest' and displays a grid of session cards, each with a title, speaker names, and duration.

Links

Upcoming

Replays



Thank you for joining !!!

**AUTONOMOUS
AI DATABASE**

**LEARNING
LOUNGE**

ORACLE