

ORACLE

Essbase 26ai

AI-Assisted Analytics and Developer Enablement

Essbase Development Team

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Agenda

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Release Overview

Major Essbase Release

Essbase 26ai Release Overview

Essbase 26ai modernizes the platform, user experience, security, and developer capabilities.

What's new

- Technology Stack and Security Enhancements
- Redwood Web interface with workflow optimizations
- Essbase MCP (Python based and Managed)
- Python API

Considerations

- Migrate with existing licenses
- LSP for Essbase 26ai on prem
 - Aug 2026 - GA
 - Aug 2031 - End of Premier
 - Dec 2033 - End of Extended
- Plan for an out-of-place migration
- EAS is not supported – use the Essbase web interface, Cube Designer, CLI, REST and MaxL
- EPM certification is planned for a future release; validate dependencies before adoption.
- HSS integration not supported - Security supported via Weblogic

MCP for Essbase

The background features a dark charcoal grey field. In the upper right, a light grey wavy shape overlaps the top edge. Below it, a large, vibrant orange shape curves from the right side towards the center. Underneath the orange shape, there are several overlapping, semi-transparent grey shapes with a fine, wavy, wood-grain-like texture.

Put Essbase analytics to work with AI clients

Available MCP Servers Options

Two ways to connect MCP clients to Essbase — same cube tools, different deployment and reach.

Feature	Python-based MCP	Embedded web MCP server (*26.1)
Availability	On-prem and OCI Marketplace	OCI Marketplace only
Deployment	Standalone Python package — installed and run where you choose	Embedded in the Essbase web stack — ships with the image, no install
Network availability	Local process next to the client; reaches Essbase over REST — works on private networks	HTTPS endpoint on the instance — remote MCP clients connect over the network
Authentication	Essbase user credentials	OAuth via OCI IAM — token-based access for different clients
Typical clients	Claude Desktop / Claude Code and local agents on a workstation	Any remote MCP client; multiple clients connect centrally



Python-Based MCP for Independent Deployment



Python MCP deployment models

Where the MCP runs determines how it connects to Essbase and which Essbase identity it uses.

Python-Based Local, per-user MCP

- Each user runs the MCP next to the AI client
- Uses that user’s Essbase identity
- Best for personal/private use

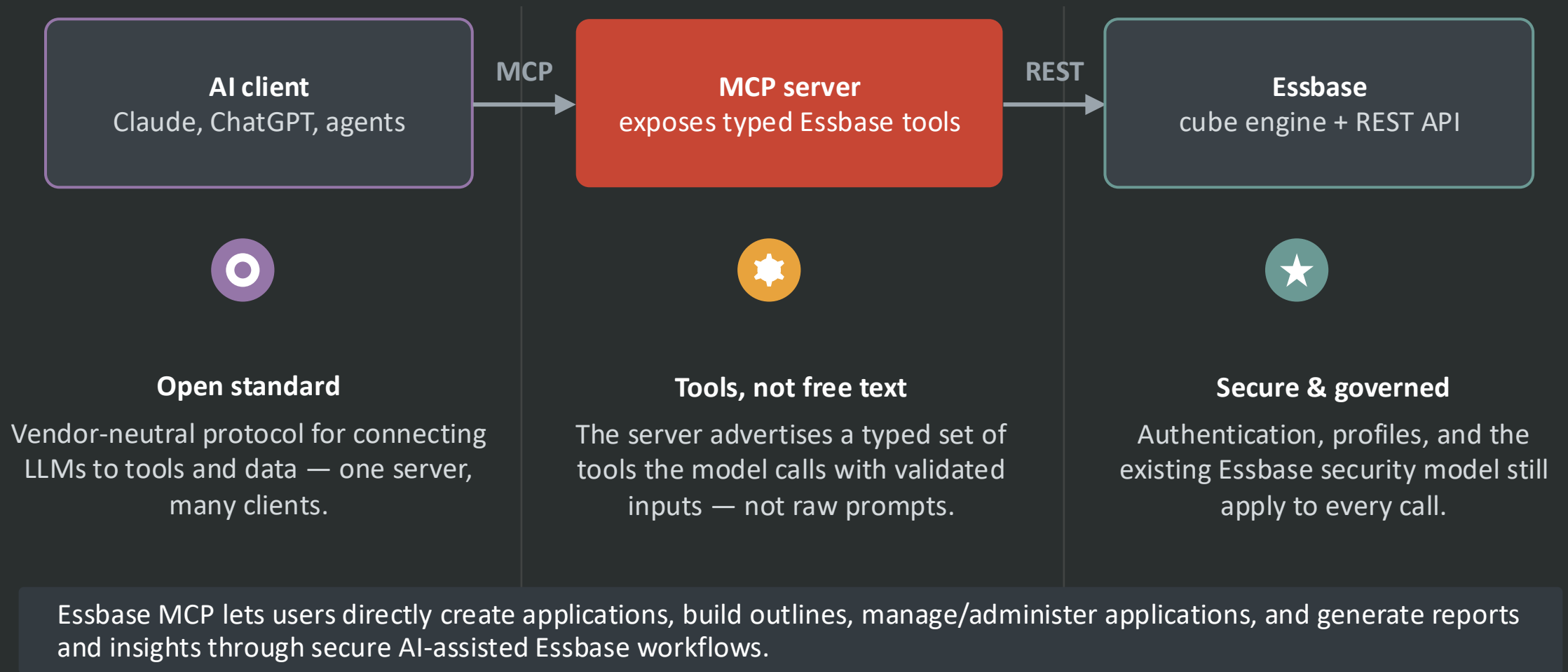
Python-Based Hosted, shared MCP

- Clients connect to one HTTPS endpoint
- Credentials stay on the MCP host
- Usually uses one service identity



Built-in: Essbase MCP Server

Available only on OCI Marketplace



MCP Security: OAuth, Not Credentials

Agents authenticate with OAuth — and your existing Essbase security still governs every call.



No credentials for agents

Agents sign in with OAuth via OCI IAM — no usernames, passwords, or API keys stored in the client. Tokens are short-lived and scoped.



Same Essbase security

Every call runs as the signed-in user. Existing users, groups, filters, and roles apply unchanged — no new permission model.



Token-based access

OCI IAM issues scoped, expiring access tokens. Nothing secret lives in the agent or config; revoke access centrally at any time.



Gated & audited

The profile (viewer / analyst / admin) limits which tools are exposed, and every action is attributable in the audit trail.

Available MCP Tools

We provide 35 task-oriented tools (initializeTaskOrientedTools), grouped by purpose and gated by profile.

Discovery & read · 11

Explore servers, applications and cubes, inspect outlines and metadata, and run read-only queries and grids. These tools answer questions and surface what exists — they never change data.

Data & cube ops · 5

Run calculations, load and clear data, deploy workbooks, and export results. This is where the model acts on the cube, reading and writing the actual numbers.

Admin & manage · 19

Manage applications, databases, scripts, files, jobs, security and settings. These wrappers cover day-to-day administration and lifecycle tasks across the whole instance.

Profiles
Gated by X-Essbase-MCP-Profile header or profile=param

viewer (default)

Discovery & read tools

analyst

+ data & cube operations

admin

+ admin & manage wrappers



AGENTIC ANALYTICS · LIVE SCENARIO

MCP for Essbase

Ask one question across many cubes. The agent does the rest.

A live scenario: two cubes, one cross-cube question, and the kind of answer no reporting client could give you before.

Oracle Essbase MCP server · generally available

Python API

The background features a dark grey field with large, flowing, organic shapes in shades of grey and a vibrant orange-red. These shapes have a subtle, fine-lined texture, resembling wood grain or topographical lines. A small, solid orange-red square is positioned in the bottom right corner.

Automation, notebooks, and data-science workflows

The Essbase Python API

A Python interface for automating Essbase and integrating data workflows

Connect and explore

- Use context-managed connections with a password or bearer token.
- Typed collections expose applications, databases, dimensions, and outlines.

Automate and administer

- Run calculations and data loads.
- Manage jobs and files, promote outline changes through CI/CD, schedule workflows, and administer security.

Query and integrate

- Run MDX and return records to pandas or other DataFrame libraries for dashboards and downstream systems.

AI and Developer Enablement

MCP connects Essbase analytics to AI clients; Python API enables automation and data-science workflows.

MCP: Governed AI access

- Connect AI clients and agents to Essbase
- Embedded and managed for OCI Marketplace
- Python-based MCP server option for independent deployments
- Applies Essbase authorization to AI-assisted requests

Python API: Automation and integration

- Familiar Python interface to Essbase
- Supports notebooks, CI/CD, and data pipelines
- Automates administration, loads, calculations, and monitoring
- Extends Essbase through REST-based workflows

Python API setup

Install the package, authenticate to Essbase, and test the connection

1 Install

Use Python 3.10+ and install the oracle-data-studio package. It includes the Essbase module.

2 Authenticate

Call `essbase.connect()` with a user and password or a bearer token. Use a context manager for automatic cleanup.

3 Query

MDX returns list-of-dict records by default. Add the pandas extra only when you need DataFrames.

Optional: `pip install oracle-data-studio[pandas]` for DataFrame workflows

FIRST CONNECTION

```
pip install oracle-data-studio
```

```
import essbase
```

```
with essbase.connect(  
    url,  
    user,  
    password,  
) as ess:  
    for app in ess.applications:  
        print(app.name)
```



Type '/' to search projects



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oracle-data-studio 1.0.29



[Latest version](#)

```
pip install oracle-data-studio
```



Released: May 20, 2026

Python client for Oracle Data Studio Database Service

Navigation

[Project description](#)

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Meta

- License: Copyright (c) 2023-2025, Oracle and/or its affiliates
- Oracle database , ORDS , Oracle database actions , Oracle Data Studio
- Requires: Python >=3.10

Project description

Oracle Data Studio API

The Python client for Oracle Data Studio on Autonomous Database offers various operations for accessing and managing Oracle Databases via Oracle REST Data Services (ORDS). It provides functions to support uploading files from Cloud Storage to the database, importing tables from database links, and manipulating analytic views and insights.

The Data Studio API works with Python 3.10 or later.

Install Data Studio API

```
pip install oracle-data-studio
```

Using Data Studio API

Please visit [Oracle documentation](#) for details.

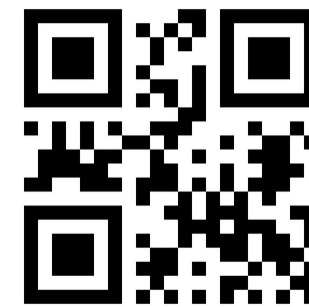
Continue the Essbase 26ai journey in our upcoming sessions

Essbase on AI Lakehouse

- Managed Essbase offering on OCI and Multi Cloud
- Planned enhancements and the Essbase roadmap

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