Embedded Analytics in S/4HANA and Oracle ERP Training Course

Professional Development Training Course Outline

Category	Enterprise Resource Planning (ERP)	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Embedded Analytics in S/4HANA and Oracle ERP Training Course is meticulously designed to equip modern Enterprise Resource Planning (ERP) professionals with the skills to leverage real-time operational reporting capabilities natively embedded within SAP S/4HANA and the advanced analytics features of Oracle ERP. The program focuses on bridging the gap between transactional systems and immediate business intelligence, enabling data-driven decision-making directly within the core business processes. Participants will gain mastery over critical tools like SAP Fiori, Core Data Services (CDS) Views, and Oracle Fusion Analytics, transforming raw ERP data into instant, actionable insights.

The course delivers a 360-degree view of ERP analytics, covering architecture, development, consumption, and performance optimization across two of the world's leading ERP ecosystems. By combining theory with extensive hands-on practical exercises and real-world case studies, trainees will be prepared to drive enterprise-wide digital transformation, simplify complex reporting landscapes, and champion the shift toward a truly Intelligent Enterprise model.

Programme Curriculum

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Course Objectives

1. Develop and consume reports leveraging live transactional data in both ERP environments.
2. Understand the SAP S/4HANA Embedded Analytics Architecture and the Oracle Fusion Analytics Cloud Services model.
3. Build and extend ABAP CDS Views for S/4HANA's Virtual Data Model (VDM).
4. Design and customize analytical applications, Analytical List Pages (ALP), and Overview Pages.
5. Integrate Oracle ERP data with Oracle Analytics Cloud (OAC) for advanced visualizations.
6. Model, manage, and deploy Smart Business KPIs for proactive monitoring.
7. Apply best practices for query performance tuning and data tiering in a HANA/Oracle database context.
8. Set up the foundation for leveraging Predictive Accounting and Machine Learning capabilities in S/4HANA.
9. Create cross-functional analytical queries for Finance and Supply Chain
10. Enable business users with self-service reporting tools across both platforms.
11. Implement data governance and authorization controls for analytical data access.
12. Compare and contrast the embedded analytics approach in S/4HANA Cloud versus Oracle Cloud ERP.
13. Understand the analytical impact during an ERP modernization or system co-existence scenario.

Target Audience

1. ERP Consultants.
2. BI/Analytics Developers.
3. Business Analysts.
4. Data Scientists/Engineers.
5. IT Project Managers.
6. Business Process Owners.
7. Solution Architects.
8. Power Users / Key Users.

Course Modules

1. Fundamentals of Embedded Analytics

- Shift from traditional BI/Data Warehouse to a single-source Embedded Analytics model.
- HANA In-Memory computing, row and column store, and the new data model simplicity.
- Overview of Oracle Transactional Business Intelligence and Fusion Analytics.
- Introduction to the SAP Fiori Launchpad and Oracle ERP Cloud's Analytics interface.
- Case Study: Analyzing the total cost of ownership reduction by eliminating a standalone data mart.

2. SAP S/4HANA Core Data Services (CDS) Views

- Understanding the Virtual Data Model (VDM) layers
- Hands-on practice with ABAP Development Tools (ADT) in Eclipse for custom CDS View creation.
- Utilizing CDS annotations for analytical enablement, exposure, and security.
- Creating Custom Analytical Queries using the Query Designer and Query Browser.
- Case Study: Building a real-time 'Open Sales Order' report using a join of multiple Finance/SD CDS Views.

3. S/4HANA Analytical Consumption & Fiori

- Exploring standard SAP Fiori analytical apps like Overview Pages and Analytical List Pages (ALP).
- Using the Manage KPIs and Reports Fiori app to define and track key business metrics.
- Integration with SAP Analytics Cloud for richer data storytelling via live connection.
- Personalizing the Fiori Launchpad for role-based, immediate insight-to-action scenarios.
- Case Study: Implementing a 'Cash Flow Projection' Smart Business KPI with drill-down capabilities for the CFO.

4. Oracle ERP Transactional Business Intelligence (OTBI)

- Deep dive into the OTBI architecture, subject areas, and the underlying data structure.
- Developing complex, multi-subject area analyses using the Oracle BI Composer and Answers.
- Designing interactive and role-specific dashboards with embedded OTBI reports.
- Implementing Oracle's data security and access control model for transactional reports.
- Case Study: Creating a "Procurement Spend Analysis" dashboard that aggregates data across multiple legal entities.

5. Advanced Oracle Fusion Analytics Cloud (OFAC)

- Understanding the purpose and components of the dedicated Fusion Analytics platform.
- Exploring the pre-built content and data models in the Oracle Autonomous Data Warehouse.
- Extending standard OFAC content with custom metrics and business logic.
- Using Oracle Analytics Cloud for advanced predictive and embedded visualizations.
- Case Study: Augmenting the standard OFAC Supply Chain Analytics to track custom warehouse utilization metrics.

6. Cross-Platform Data Integration & Governance

- Strategies for integrating and reconciling data between SAP and Oracle environments for holistic reporting.
- Configuring robust role-based access control in both S/4HANA and Oracle.
- Establishing data governance standards for analytical metadata and definitions.
- Leveraging embedded tools for transparent and auditable reporting for regulatory compliance.
- Case Study: Designing a security model that grants Finance Users access to S/4HANA GL data and Oracle HCM headcount reports.

7. Performance & Extensibility

- Techniques for query optimization, including efficient CDS view coding and index usage.
- Managing hot, warm, and cold data and its impact on analytical performance.
- Extending standard SAP and Oracle analytical content without modification
- Identifying and resolving common performance bottlenecks in analytical queries.

- Case Study: Optimizing a monthly financial reconciliation report that initially took 15 minutes to run down to under 5 seconds.

8. The Future: AI, Machine Learning & Intelligent ERP

- Utilizing the foundation for Predictive Accounting in S/4HANA Finance.
- Connecting analytical views to external or embedded Machine Learning services.
- The impact of Generative AI and large language models on ERP reporting.
- Overview of future developments in SAP Analytics Cloud and Oracle Fusion Analytics.
- Case Study: Simulating the use of SAP's embedded ML to predict overdue invoices based on live transactional data.

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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