COURSE OVERVIEW SAP0010
SAP Data Warehouse Cloud Fundamentals

Course Title
SAP Data Warehouse Cloud Fundamentals

Course Reference
SAP0010

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Date/Venue

Session(s)	Course Date(s)	Venue(s)
1	June 28-July 02 2026	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
2	September 13-17, 2026	Crowne Meeting Room, Crowne Plaza Al Khobar, an IHG Hotel, Al Khobar, KSA

Course Description

This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview of SAP Data Warehouse Cloud Fundamentals. It covers the SAP data warehouse cloud, core concepts and terminology and SAP datasphere architecture; the datasphere user roles and authorizations, interface and navigation; the datasphere within the SAP analytics ecosystem, data source types in datasphere and data connectivity options; and the data integration tools, data import and data flow design.

Further, the course will also discuss the proper scheduling and monitoring data loads, data quality and consistency concepts and modeling approaches in datasphere; the fact models and dimension models, associations and relationships, business builder and semantic lawyer; the calculated measures and attributes and data preview, validation and testing; and the analytical consumption models, integration with SAP analytics cloud and SQL views and advanced analytics.

During this interactive course, participants will learn the performance optimization techniques, data access, consumption security and operational monitoring and administration; the data ownership and stewardship, metadata management concepts, naming conventions and standards; the governance frameworks and policies, data sharing and collaboration; and the lifecycle management and transport.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on SAP data warehouse cloud fundamentals
- Discuss SAP data warehouse cloud, core concepts and terminology and SAP datasphere architecture
- Identify datasphere user roles and authorizations, interface and navigation
- Recognize datasphere within the SAP analytics ecosystem, data source types in datasphere and data connectivity options
- Describe data integration tools, data import and data flow design
- Apply proper scheduling and monitoring data loads, data quality and consistency concepts and modeling approaches in datasphere
- Illustrate fact models and dimension models, associations and relationships and business builder and semantic lawyer
- Carryout calculated measures and attributes and data preview, validation and testing
- Illustrate analytical consumption models, integration with SAP analytics cloud and SQL views and advanced analytics
- Employ performance optimization techniques, data access and consumption security and operational monitoring and administration
- Carryout data ownership and stewardship, metadata management concepts, naming conventions and standards and governance frameworks and policies
- Apply data sharing and collaboration including lifecycle management and transport

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of SAP ata warehouse cloud fundamentals for business intelligence and analytics leads, solution architects designing hybrid or cloud analytics landscapes, data architects and data warehouse architects, technical project managers overseeing SAP data and analytics programs, SAP S/4HANA and SAP BTP technical consultants, SAP BW/4HANA consultants transitioning to SAP dataspheres, SAP analytics and reporting professionals, data modelers and analytics engineers and IT professionals involved in data integration and governance.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations:

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- The International Accreditors for Continuing Education and Training (IACET - USA)

  Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

  Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

  Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Fee

US$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Mr. George Kordosis, MBA, BSc, is a **Senior SAP Consultant** with **20 years** of extensive experience in the areas of **SAP** Data & Analytics, **SAP** Data Warehouse Cloud Fundamentals, **SAP** Financial Accounting, **SAP** Data Warehousing & Reporting, **SAP** Materials Management, **SAP** Project Implementation Methodology, **SAP BW/4HANA**, **SAP S/4HANA**, **SAP** Finance and Logistics Data, **Project** Management, **PMO** setup and governance, **SAP** Sales and Distribution (SD) Consulting, **SAP** Financial Reporting Consulting, **SAP** Implementation Lifecycle Management, **SAP** Consulting for Manufacturing Industry, **Project** Delivery & Governance Framework, **Project** Management Practices, **Project** Management Disciplines, **Project** Management Framework, **Business Process** Analysis, **Business Process** Mapping & Modelling, **Business Process** Optimization, Planning, Scheduling & Monitoring, **Project Planning**, **Planning Cycle & Techniques**, **Project Planning**, **Planning Cycle & Techniques**, **Work Budgeting & Cost**, **Human Resource** Management, **Feedback** Development, **Financial Analysis** Techniques, **Financial Data** Analysis Concepts & Process, **Financial & Accounting** Management, **Financial** Planning Techniques, **Best Practices** in **Managing Multiple Projects**, **Project Accounting**, **Project Financial Planning**, **Accounting** Receivable Fundamentals, **Accounting Management**, **Accounting** Leading Practices and Efficient **Finance & Accounting** Operations.

During his career life, Mr. Kordosis has gained his practical and field experience through her various significant positions and dedication as the **SAP Assistant Manager**, **Senior Business Analyst**, **Senior Accountant**, **Accountant**, **Assistant Accountant**, **SAP BPC FICO Consultant**, **SAPBPC/BW/FICO Consultant**, **SAP BPC-FI Consultant** and **SAC Planning Freelancer** from various companies such as Deloitte Business Solutions, Eurobank S.A., Singularlogic S.A., Planet S.A., Itway Hellas S.A., Qualco S.A., NSN/Nokia International OY (Contract) and Motorola SPA/Motorola Networks S.A.

Mr. Kordosis has a **Master of Business Administration** and a **Bachelor's degree** in **Applied Science in Accounting**. Further, he is a **Certified Instructor/Trainer** and he has further delivered numerous trainings, courses, workshops, seminars and conferences worldwide.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to SAP Data Warehouse Cloud (Datasphere)*** *Evolution from SAP BW and SAP BW/4HANA • Role of Datasphere in SAP Business Technology Platform (BTP) • Key Business Drivers and Use Cases • Comparison with Traditional Data Warehousing*
0930 – 0945	*Break*
0945 – 1030	***Core Concepts & Terminology*** *Spaces, Tenants, and Objects • Analytical versus Data Modeling Layers • Business Semantics and Contextualization • Data Federation versus Data Replication*
1030 – 1130	***SAP Datasphere Architecture Overview*** *Logical and Physical Architecture Components • Compute, Storage, and Connectivity Layers • Integration with SAP HANA Cloud • Multi-Cloud and Hyperscaler Deployment Options*
1130 – 1215	***Datasphere User Roles & Authorizations*** *Role-Based Access Control (RBAC) • Space-Level versus Object-Level Permissions • Data Access Governance Concepts • Security Best Practices*
1215 – 1230	*Break*
1230 – 1330	***Datasphere User Interface & Navigation*** *Launchpad and Space Management • Data Builder versus Business Builder • Asset Creation and Lifecycle Management • Monitoring and Administration Views*
1330 – 1420	***Datasphere within the SAP Analytics Ecosystem*** *Integration with SAP Analytics Cloud (SAC) • Positioning with SAP S/4HANA Embedded Analytics • Relationship with SAP BW/4HANA • Overview of Hybrid Analytics Landscapes*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2

0730 – 0830	***Data Source Types in Datasphere*** *SAP S/4HANA (On-Premise & Cloud) • SAP BW and BW/4HANA Sources • Non-SAP Databases and Cloud Sources • Flat Files and External Data Feeds*
0830 – 0930	***Data Connectivity Options*** *Live (Federated) Connections • Remote Tables and Virtual Access • Data Replication Strategies • Trade-Offs Between Real-Time and Batch Access*
0930 – 0945	*Break*
0945 – 1100	***Data Integration Tools*** *SAP Datasphere Native Integration • SAP Data Intelligence Overview • SAP SLT and SDA Concepts • Integration Patterns and Architectures*
1100 – 1215	***Data Import & Data Flow Design*** *Data Flow Object Creation • Source-to-Target Mappings • Transformation Logic and Rules • Error Handling and Data Validation*
1215 – 1230	*Break*
1230 – 1330	***Scheduling & Monitoring Data Loads*** *Load Scheduling Mechanisms • Monitoring Data Flow Execution • Handling Failures and Reprocessing • Performance Optimization Tips*
1330 – 1420	***Data Quality & Consistency Concepts*** *Data Validation Techniques • Managing Duplicates and Inconsistencies • Harmonization of Master Data • Best Practices for Trusted Data*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3

0730 – 0830	***Modeling Approaches in Datasphere*** *Graphical versus SQL-Based Modeling • Layered Modeling Concepts • Reusable Objects and Artifacts • Best Practices for Scalable Models*
0830 – 0930	***Fact Models & Dimension Models*** *Designing Analytical Fact Tables • Dimension Modeling Techniques • Measures, Attributes, and Hierarchies • Star Schema and Analytical Layouts*
0930 – 0945	*Break*
0945 – 1100	***Associations & Relationships*** *Defining Associations Between Models • Cardinality and Join Behavior • Impact on Analytical Consumption • Troubleshooting Relationship Issues*
1100 – 1215	***Business Builder & Semantic Layer*** *Business Entities and Objects • Exposing Business-Friendly Names • Semantic Enrichment for Reporting • Reusability Across Analytics Tools*
1215 – 1230	*Break*
1230 – 1330	***Calculated Measures & Attributes*** *Defining Calculated Columns • Restricted and Exception Aggregations • Time-Based Calculations • Performance Considerations*
1330 – 1420	***Data Preview, Validation & Testing*** *Data Preview Tools and Techniques • Validation of Measures and Totals • Cross-Checking Source versus Target • Documentation and Model Readiness*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4

0730 – 0830	***Analytical Consumption Models*** *Analytical Datasets and Views • Consumption-Ready Modeling Patterns • Data Exposure Principles • Versioning and Lifecycle Management*
0830 – 0930	***Integration with SAP Analytics Cloud (SAC)*** *Live versus Acquired Connections to SAC • Story and Model Creation in SAC • Using Datasphere Business Semantics • Performance Optimization for Dashboards*
0930 – 0945	*Break*
0945 – 1100	***SQL Views & Advanced Analytics*** *Using SQL Views in Datasphere • Window Functions and Advanced SQL • Analytical Calculations at Database Level • Combining SQL and Graphical Models*
1100 – 1215	***Performance Optimization Techniques*** *Partitioning and Pruning Concepts • Minimizing Data Movement • Optimizing Joins and Associations • Monitoring Query Performance*
1215 – 1230	*Break*
1230 – 1330	***Data Access & Consumption Security*** *Analytic Privileges • Row-Level and Column-Level Security • Secure Data Sharing Across Spaces • Compliance and Audit Considerations*
1330 – 1420	***Operational Monitoring & Administration*** *Monitoring System Health • Managing Storage and Compute Usage • Usage Statistics and Cost Awareness • Best Practices for Stable Operations*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5

0730 – 0830	***Data Governance in Datasphere*** *Data Ownership and Stewardship • Metadata Management Concepts • Naming Conventions and Standards • Governance Frameworks and Policies*
0830 – 0930	***Data Sharing & Collaboration*** *Sharing Models Across Spaces • Cross-Tenant Data Sharing Concepts • Collaboration Between IT and Business • Controlled Reuse of Data Assets*
0930 – 0945	*Break*
0945 – 1100	***Lifecycle Management & Transport*** *Development, Test, and Production Landscapes • Object Transport Concepts • Version Control and Change Management • Release and Deployment Best Practices*
1100 – 1215	***Hybrid Landscape Scenarios*** *Coexistence with SAP BW/4HANA • Integration with SAP S/4HANA Embedded Analytics • Cloud and On-Premise Hybrid Strategies • Migration Considerations*
1215 – 1230	*Break*

1230 – 1345	***End-to-End Business Use Case Walkthrough*** *Source System Integration Scenario • Data Modeling and Semantic Enrichment • Analytical Consumption in SAC • Validation of Business Results*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about t Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-

Course Coordinator

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