

# ABAP® Programming for SAP HANA®

Kód kurzu: HA400

In this course, you learn how you can use SAP HANA and new features in the ABAP programming language to optimize existing ABAP code and to develop innovative ABAP applications to enhance your business. Course based on software release: SAP HANA 2.0 SPS06.

## Pro koho je kurz určen

- Application Consultant
- Developer
- Development Consultant

## Co Vás naučíme

This course will prepare you to:

- develop more concise and well-performing ABAP programs using new features of the ABAP programming language
- develop and optimize ABAP applications that access data stored in the SAP HANA database

## Požadované vstupní znalosti

### Essential

- Basic Knowledge of SAP HANA
- BC400
- BC401
- Experience in ABAP Programming, esp. Open SQL (joins, views, aggregations)

### Recommended

- The HA100 course provides a good understanding of SAP HANA and it is highly recommended for participants who want to attend this course
- HA150
- BC404

## Studijní materiály

Studijní materiál SAP.

## Osnova kurzu

- Introduction
- Understanding SAP HANA and how it impacts the ABAP development paradigm
- Introduction to ABAP development tools (also known as ABAP in Eclipse)
- Taking ABAP to SAP HANA
- Accessing SAP HANA as a secondary database
- Tools to detect potential functional and performance issues when migrating to SAP HANA: code inspector and ABAP test cockpit, ABAP trace and ABAP profiler, SQL trace
- Tools to prioritize performance issues: SQL monitor, SQL performance tuning worklist
- Performance rules and guidelines for ABAP in the context of SAP HANA
- Database independent code-to-data
- Enhanced open SQL
- Defining advanced views using core data services (CDS) and CDS associations in ABAP
- Incorporating authorization checks with CDS in ABAP
- SAP HANA specific code-to-data
- Using native SQL and ABAP data base connectivity (ADBC)
- Creating, using and debugging ABAP managed database procedures
- Using SAP HANA information models in ABAP

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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# ABAP® Programming for SAP HANA®

- Advanced topics
- ABAP transport of SAP HANA objects (HTC and HTA)
- Using SAP HANA full text search in ABAP
- Enabling input fields for type-ahead search
- SAP list viewer (ALV) optimized for SAP HANA

## Co musíte vědět

- This course is for developers and consultants who are familiar with programming database access using ABAP and ABAP objects programming and want to learn how to use SAP HANA to speed up such access.
- The course covers many new ABAP features for database access that are not limited to SAP HANA as underlying database.

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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