DEVELOPMENT ASSOCIATE / PROFESSIONAL - ABAP WITH SAP NETWEAVER 7.0
The certification test for "SAP Certified Development Associate - ABAP with SAP NetWeaver 7.0" verifies the profound knowledge in the area of ABAP Development. This certificate proves that the candidate has a fundamental understanding within this profile and is able to apply these skills practically under supervision in a project environment.

**Software**

- Software components: SAP NetWeaver 7.0

**Number of Questions**

80

**Duration**

180

**Notes**

To ensure success, SAP recommends combining education courses and hands-on experience to prepare for your certification exam as questions will test your ability to apply the knowledge you have gained in training. You are not allowed to use any reference materials during the certification test (no access to online documentation or to any SAP system).
CERTIFICATION TEST
C_TAW12_71 Development Associate - ABAP with SAP NetWeaver 7.02

Booking Code
C_TAW12_71

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Software

Number of Questions
80

Duration
180

Notes
To ensure success, SAP recommends combining education courses and hands-on experience to prepare for your certification exam as questions will test your ability to apply the knowledge you have gained in training.
You are not allowed to use any reference materials during the certification test (no access to online documentation or to any SAP system).
CERTIFICATION TEST
P_ABAP_70 Development Professional - ABAP with SAP NetWeaver 7.0

Booking Code
P_ABAP_70

The certification test for "SAP Certified Development Professional - ABAP with SAP NetWeaver 7.0" verifies the profound knowledge in the area of ABAP Development. This certificate proves that the candidate has an advanced understanding within this profile and is able to apply these skills practically and provide guidance in project implementation.

Software
* Software components: SAP NetWeaver 7.0

Number of Questions
80

Duration
180

Notes
Professional Certifications are targeting profiles with minimum 4 – 7 years of experience. Besides the recommended education courses also practical job experience is required and tested.
You are not allowed to use any reference materials during the certification test (no access to online documentation or to any SAP system).
TAW10
ABAP Basics

Duration
10 days

Prerequisites

Essential
* Programming experience in another programming language

Recommended
* None

Delivery
Classroom

Audience
* Development consultants who are responsible for developing and adapting ABAP programs

Content
Introduction to SAP NetWeaver Application Server
Using the ABAP Workbench
ABAP programming basics: -> fundamental syntax elements,
-> modularization using subroutines, function modules, and methods ->
program calls and data transfer
Complex data objects: -> structures -> internal tables
ABAP Open SQL
classical UI programming: -> selection screens -> screens
dynpros
Memory management and program calls
ABAP Dictionary: -> Global types (tables, views) ->
Transparent tables, pool tables, and cluster tables -> Object dependencies
-> Views -> Search helps

Goals
Work with the ABAP Workbench tools
Write simple ABAP programs
Software
SAP NetWeaver AS 7.02

Notes
* In order to be properly prepared for the certification exam after TAW12, participants might need some extra hours of self-study after the official end of the class every day.
ABAP Details

Duration
1200 Min

Prerequisites

Essential
* TAW10 ABAP Basics

Recommended
* None

Delivery
E-learning

Audience
* Development consultants who are responsible for developing and adapting ABAP programs

Content

ALV Grid Control
ABAP Open SQL for changing database data
LUW concept
Enqueue mechanism
Update technologies
ABAP types in depth
Unicode and how ABAP is affected

Goals
Program reports with ALV Grid Control
Program database updates
Describe ABAP types in depth
Name Unicode aspects relevant for ABAP programs

Software
SAP NetWeaver 7.0

Notes
Course length: 20 hours
Anyone wanting to become a SAP Certified Development Associate - ABAP - SAP NetWeaver 7.0 should work through TAW11 before attending the class TAW12.
ABAP Objects and How To Use It

Duration
10 days

Prerequisites

Essential
* Write object oriented programs with ABAP
* Use the enhancement concept
* Create simple Web Dynpro for ABAP applications

Recommended
* None

Delivery
Classroom

Audience
* Development consultants who are responsible for developing and adapting ABAP programs

Content

ABAP Objects:
- Analysis and UML design
- Classes and objects
- Inheritance
- Interfaces
- Events
- Exception handling
- Global classes and global interfaces
- Abstract classes, factory methods, singletons
- Shared Objects
- Dynamic programming: Field symbols and data references
- Runtime Type Services (RTTS)

Enhancements and modifications:
- Enhancing Dictionary elements
- Customer Exits
- Business Add Ins (BAdIs)
- Modifications
- Enhancement Framework
- ABAP Web Dynpro (overview):
  - Architecture
  - Components
  - Controller
  - Context
  - UI definition
  - Navigation

Certification test to become an SAP Certified Development Associate – ABAP with SAP NetWeaver 7.0

Goals

Write object oriented programs with ABAP
Use the enhancement concept
Create simple Web Dynpro for ABAP applications
SAP NetWeaver AS 7.02

Software

Notes

Participants must work through the e-learning TAW11e prior to attending TAW12.
In order to be properly prepared for the certification exam after TAW12, participants might need some extra hours of self-study after the official end of class every day.
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