

C_TADM: SAP S/4HANA System Administration (Basis)

Run, monitor and maintain SAP S/4HANA systems with confidence and prepare for the SAP system administration exam.

DURATION

6 days · 48 hours

LEVEL

Intermediate

CURRICULUM

20 modules · 18 labs

DELIVERY

Live online, Onsite,
Corporate

Course overview

Every SAP S/4HANA landscape depends on Basis administrators to keep it available, secure and up to date. The role spans the application server, the SAP HANA database, users and authorisations, transports between systems and day-to-day monitoring. This six-day course teaches those responsibilities hands-on in a training system.

The first two days explain how an S/4HANA system is built: the AS ABAP architecture, instances, work processes, the dispatcher and the message server, and the essentials of SAP HANA administration. You will start and stop systems, read profile parameters and work with the main administration transactions in SAP GUI and SAP Fiori.

The middle of the course covers the work administrators do every week. You will create users, design roles with the profile generator, set up clients and copy them, configure the Transport Management System and move changes through a three-system landscape. Background job scheduling, printing and spool administration follow.

The final days focus on keeping systems healthy: monitoring with the system log, dumps, workload analysis and SAP Solution Manager or Cloud ALM concepts, kernel updates, SPAM and SUM awareness, backup and recovery for HANA, system copy concepts and SAP Fiori launchpad administration basics.

This course is aligned to the SAP Certified Technology Consultant – SAP S/4HANA System Administration exam (C_TADM). Ace Skills is not an SAP partner and this is not official SAP training. SAP exam codes carry a release suffix that changes, so please confirm the current code on SAP Learning before booking.

Highlights

- 48 hours of live, trainer-led sessions
- AS ABAP and SAP HANA architecture explained clearly
- Users, roles, clients and transport management labs
- Background jobs, spool and system monitoring
- Patching, backup and system copy concepts
- Practice questions with review

What's included

- Hands-on labs in an SAP S/4HANA training system
- SAP GUI and SAP HANA cockpit walkthroughs
- User, role and authorisation administration labs
- Client copy and transport management practice
- Background job and spool administration
- Monitoring and troubleshooting checklists
- Course completion certificate from Ace Skills Consulting
- Post-training doubt support

Who this course is for

Who should attend

- Freshers and graduates starting a Basis career
- System and database administrators moving into SAP
- Junior Basis consultants preparing for certification
- SAP support engineers in managed services teams
- Infrastructure and cloud engineers hosting SAP workloads

Prerequisites

- Basic knowledge of operating systems (Linux or Windows)
- Understanding of networking and database fundamentals
- Awareness of SAP or ERP concepts is helpful but not required

Detailed curriculum — 6 days, 48 hours, 20 modules, 18 hands-on labs

Day 1 SAP S/4HANA Architecture and System Basics

8 hours

1.1 SAP S/4HANA landscape

- S/4HANA deployment options
- Three-system landscape: development, quality, production
- SAP NetWeaver AS ABAP and AS Java overview
- SAP system IDs, instances and instance numbers
- Clients and the client concept

LAB Log on with SAP GUI and explore system status · 30 min

1.2 AS ABAP architecture

- Dispatcher and work process types
- Message server and enqueue server
- ABAP Central Services (ASCS)
- Gateway and ICM
- Logon groups and load balancing

LAB Inspect work processes and server overview · 40 min

1.3 Navigating administration tools

- SAP GUI navigation and transactions
- SAP Fiori launchpad for administrators
- Important Basis transaction codes
- SAP Notes and the SAP for Me portal

LAB Find and read key administration screens · 35 min

Day 2 SAP HANA Basics, Start/Stop and Profiles

8 hours

2.1 SAP HANA fundamentals

- In-memory architecture and column store
- System and tenant databases
- HANA services and processes
- SAP HANA cockpit and HANA Studio overview
- Database users and schemas

LAB Explore a tenant database in SAP HANA cockpit · 45 min

2.2 Starting and stopping SAP systems

- Start sequence: database, ASCS, instances
- sapcontrol and SAP Management Console
- Start and stop logs
- Common start-up problems

LAB Stop and start an SAP system in the correct order · 45 min

2.3 Profiles and parameters

- Default, instance and start profiles
- Dynamic and static parameters
- Profile parameter maintenance
- Operation modes

LAB Change and verify a profile parameter · 35 min

Day 3 Users, Authorisations and Clients

8 hours

3.1 User administration

- User types and user master records
- Password and logon policies
- Central User Administration overview
- Mass maintenance
- Locking and unlocking users

LAB Create and maintain users and logon rules · 40 min

3.2 Authorisation concept

- Authorisation objects and fields
- Profile generator
- Fiori catalogues and roles
- Single, composite and derived roles
- Authorisation trace and troubleshooting

LAB Build a role with the profile generator and test it · 55 min

3.3 Client administration

- Client settings and change options
- Client copy profiles
- Monitoring client copy logs
- Local, remote and export client copies
- Deleting clients

LAB Create a new client and run a local client copy · 45 min

Day 4 Transport Management, Background Jobs and Printing

8 hours

4.1 Change and Transport System

- Repository and customising changes
- Transport directory and tp/R3trans
- Transport requests and tasks
- System change options

LAB Create and release a transport request · 35 min

4.2 Transport Management System

- Transport domain controller
- Import queues and import options
- Change Request Management overview
- Transport routes and layers
- Transport logs and return codes

LAB Configure TMS routes and import a request · 50 min

4.3 Background processing

- Job definition and steps
- Job monitoring and logs
- Start conditions and periodic jobs
- Standard housekeeping jobs

LAB Schedule and monitor periodic background jobs · 35 min

4.4 Printing and spool

- Output devices and access methods
- Spool administration and cleanup
- Spool requests and output requests
- Output management in S/4HANA overview

LAB Define an output device and manage spool requests · 30 min

Day 5 Monitoring, Patching and Maintenance

8 hours

5.1 System monitoring

- System log and ABAP dumps
- Lock entries and update requests
- SAP Solution Manager and SAP Cloud ALM concepts
- Workload and performance analysis
- CCMS monitoring overview

LAB Investigate a dump, a lock and a failed update · 50 min

5.2 Software maintenance

- Kernel structure and kernel updates
- Software Update Manager (SUM) awareness
- Implementing SAP Notes with SNOTE
- Support packages and SPAM/SAINT
- Maintenance Planner

LAB Check kernel and component levels and plan an update · 40 min

5.3 Security and logging

- Security audit log
- RFC destinations and connections
- Gateway security overview
- Table change logging

LAB Create and test an RFC destination · 30 min

Day 6 Backup, System Copy, Fiori Administration and Exam Readiness

8 hours

6.1 Backup and recovery

- SAP HANA data and log backups
- Recovery scenarios overview
- Backup catalogue
- High availability and disaster recovery concepts

LAB Run and verify a HANA data backup · 35 min

6.2 System copy concepts

- Homogeneous and heterogeneous copies
- Post-copy activities
- Database-specific copy methods
- System refresh planning

6.3 SAP Fiori administration basics

- Front-end server deployment options
- Activating OData services and ICF nodes
- Fiori launchpad content: catalogues, groups and spaces
- Launchpad troubleshooting basics

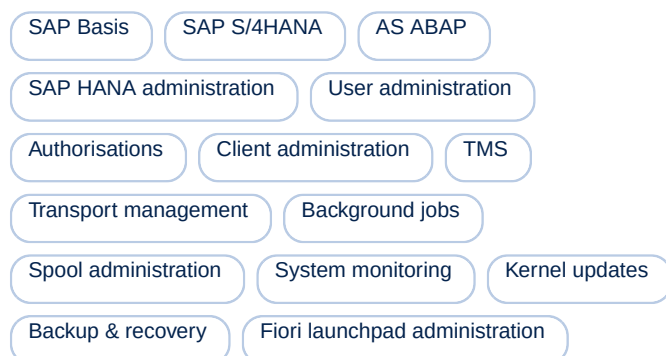
LAB Activate a service and assign a launchpad space to a role · 45 min

6.4 Exam readiness

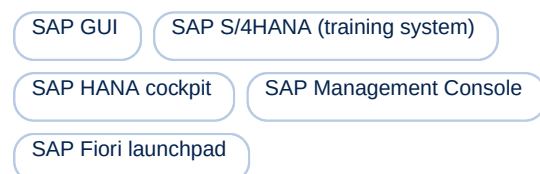
- C_TADM topic review
- Practice questions with review
- Question styles
- Confirming the current exam release on SAP Learning

Skills and tools

Skills you will build



Tools used in class



Certification exam

This course is aligned to the exam below and prepares you for it. The exam itself is booked and taken with the vendor.

Exam	SAP Certified Technology Consultant – SAP S/4HANA System Administration
Exam code	C_TADM
Official page	https://learning.sap.com/certifications

Exam skill areas covered

SAP S/4HANA system administration basics

Exam details are pending verification. Confirm the current exam code, format and fee on the official vendor page before booking.

Frequently asked questions

Which exam code should I book?

SAP adds a release suffix to C_TADM and updates it over time. Confirm the current code on SAP Learning before booking.

Is this official SAP training?

No. It is an independent Ace Skills course aligned to the published exam topics, and Ace Skills is not an SAP partner.

Will I install an SAP system?

Installation is explained conceptually; labs run on a prepared training system so time is spent on everyday administration tasks.

Do I need Linux skills?

Basic command-line familiarity helps, and we cover the commands you need for starting, stopping and checking SAP systems.

Book a batch or talk to an advisor

Course page: aceskillsconsulting.com/course/c-tadm-sap-s4hana-system-administration-basis · Email: info@aceskillsconsulting.com

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