

Learning with Avaloq Academy



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avaloq
An NEC Company

Introductory courses

Get started with Avaloq Academy

Kick-start your Avaloq journey with an abridged, introductory course on different aspects of the Avaloq Banking Suite (ABS). These courses synthesize all the essential information into an easily digested format, suitable for a broad audience.



Avaloq
Foundation



Avaloq Web
APIs lite



Customization
Principles



Introduction
to ABR/S



For: Anyone wanting an introduction to the ABS, including clients, key business users, implementation teams, business managers, Avaloq development teams, key account managers and pre-sales.

Avaloq Foundation

Participants take their first steps with the ABS and meet the Avaloq object model. They learn how to perform some basic transactions in the system, for example, opening a new customer account, transferring money and executing a stock exchange order, in addition to exploring other modules.

Avaloq Web APIs lite

This course looks at two Avaloq REST API products which provide off-the-shelf APIs: Open APIs and Community APIs. Participants will learn about the underlying microservice architecture, the business background behind both products and the types of development they are used for.

Customization Principles

A one-week course that provides a broad overview of customization concepts in the ABS. Topics include customization tools, Report Writer, order validation, Avaloq Message Interface (AMI), workflows, context actions and more. The course is designed for those who want to better understand the work of Customization Professionals.

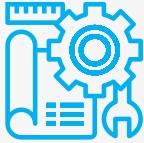
Introduction to ABR/S

Learn how the Avaloq Banking Reference/Starter Kit (ABR/S) came about and how it evolved and grew into the ready for banking product it is today. Participants will learn what the product comprises and why bootstrapping is such an important characteristic. This course explains how ABR/S helps reduce project workload and costs and shortens ramp-up and development time for project teams.

Certification pillars

Focus on different skill paths

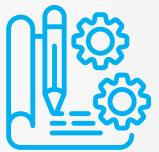
With an Avaloq certification, participants receive an internationally recognized certificate documenting their skills. With certification, course participants not only strengthen their position in the market, but also send an important message to clients: that they can be counted on to consistently provide the best support possible on client projects.



Implementation



Operations



Customization



Banking

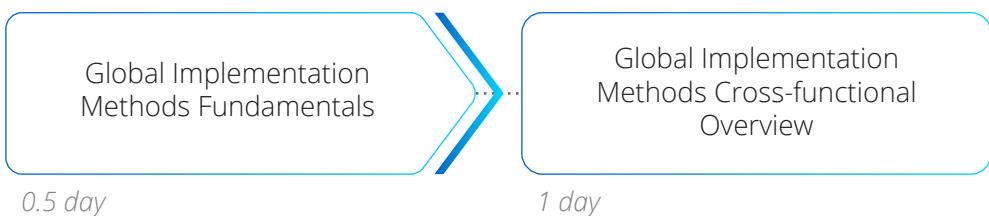
Avaloq Certified Implementation Professional (ACIP)



For: Project managers, customization professionals, consultants

Aim: To implement Avaloq projects using Global Implementation Methods (GIM)

This course is an introduction to Avaloq's GIM, which is based on best practices developed over many implementation projects. GIM is the framework of standard methods for Avaloq implementations. It aims to maximize project expertise, boost the exchange of resources, facilitate inter-project mobility, and reduce costs, time to market and risks. Using the GIM framework will harmonize implementation methods in the Avaloq ecosystem.



Global Implementation Methods Fundamentals

Learn how and why GIM was developed. Get familiar with the framework, the GIM tool and its structure including Phases, Competency Areas and Processes. Participants will also learn how quality assurance and risk management are tackled by GIM.

Global Implementation Methods Cross-functional Overview

This course provides a deeper insight into the GIM framework and provides a cross-functional overview of the support provided by GIM for implementation projects. It outlines all project types supported by GIM and illustrates the process with a simulated implementation and integration, in a continuous storyline. These project types are described phase by phase, and students gain in-depth knowledge of the processes and methods offered by the GIM framework. The course concludes with an exam that, once passed, will award an Avaloq Certified Implementation Professional (ACIP) certificate.

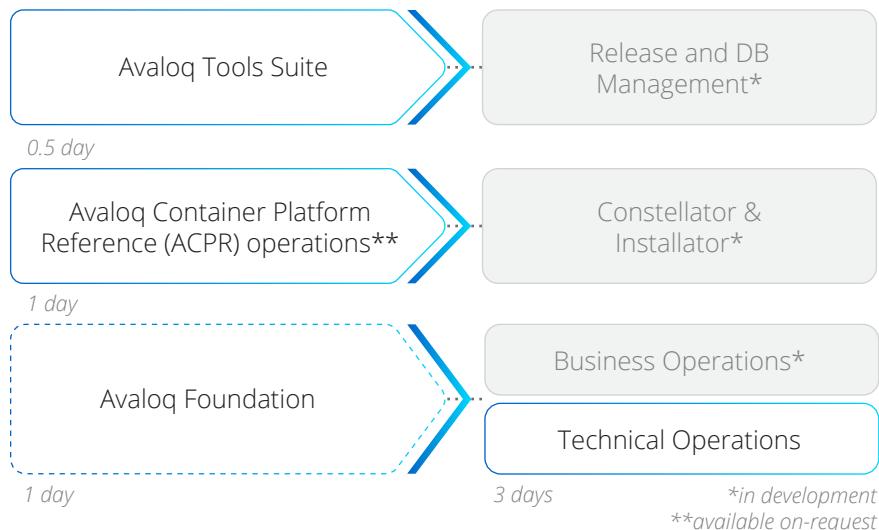
Avaloq Certified Operations Professional (ACOP)



For: Application managers, application operations managers, configuration manager, IT operators, release manager, system manager, system administrator

Aim: To prepare, configure and upgrade the productive environment, infrastructure and applications

This course provides an overview of best practices for operation of the entire system. Participants are introduced to the most important components of the Avaloq Banking Suite and to related tools and concepts. The course covers how to handle daily operating tasks, how to act in critical cases and looks at troubleshooting processes in both business and development areas.



Avaloq Container Platform Reference (ACPR) operations - on request

This course is targeted to the Operations team and participants will learn about the ACPR OpenShift, how to manage the cluster and how to use ACPR deliveries. The course also covers how to configure, install and update the ACPR OpenShift. An overview of deployment concepts and how monitoring and alerting are set up are also covered.

Avaloq Tools Suite: Avaloq Solution Model Development (ASMD)

Learn about how ASMD supports customization experts by improving their code quality, shortening time-to-market, improving maintainability and allowing new customization professionals to become productive sooner. ASMD provides advanced functionality such as real-time code validation and formatting, content assistance and reference resolution (cross-checks). This reduces the risk of errors and ensures faster and higher-quality development.

Technical Operations

This course provides a substantial overview of tools for operating the ABS. Participants are presented with typical use cases for Avaloq IT operations and the best practices for troubleshooting. After an introduction to the key elements of background processing, Central Services Desk are covered in detail. Jobs and end-of-day processing are explored and interfaces such as Avaloq Monitor and Log are demonstrated. The course concludes with an exam that, once passed, awards a Technical Operations specialist certificate.

Avaloq Certified Customization Professional (ACCP)

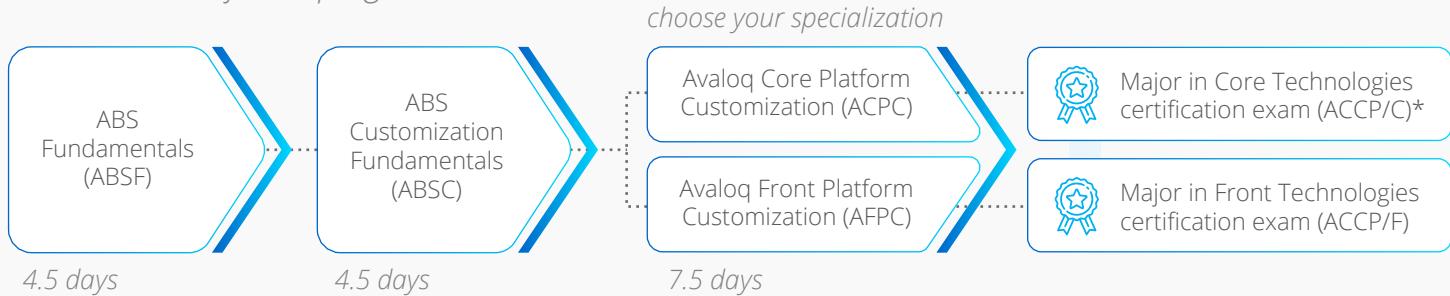


For: Business analyst, business consultant, developer, software engineer, technical consultant

Aim: To customize the ABS according to client specifications

Establishes a basic skill level in ABS customization for addressing client requirements. Participants learn about customization tools, engines, workflows, user interfaces, order validations and other important customization areas. They specialize in either the Avaloq Core Platform (ACP) or the Avaloq Front Platform (AFP). The knowledge gained is essential for anyone who will work in Avaloq implementation projects. This course concludes with an exam that, once passed, awards an Avaloq Certified Customization Professional (ACCP) certificate that is valid for two years.

Three and a half week program:



*A Front Upgrade course can be taken after ACCP/C in order to get equipped for an AFP-related project

ACCP with Major in Core Technologies

The program consists of the following modules: ABSF, ABSC, ACPC, which covers basic customization of the ABS specializing in the Avaloq Core Platform (ACP). Each customization area is explored conceptually followed by supporting hands-on exercises. At the end of the course, participants apply what they have learned in the course in a simulated implementation project exercise.

ACCP with Major in Front Technologies

The program consists of the following modules: ABSF, ABSC, AFPC, which covers basic customization of the ABS specializing in the Avaloq Front Platform (AFP). Each customization area is explored conceptually followed by supporting hands-on exercises. It may be helpful, though not essential, if participants are already familiar with web services, RAML, HTML, CSS and JavaScript.

ACCP Front Upgrade

A one-week course for Avaloq Certified Customization Professionals with a Core specialism who would like to learn how to customize the AFP. The customization areas taught in the front-focused part of the ACCP Front major are all covered, but in a more compressed format as it is assumed participants are already comfortable with the fundamentals.

ACCP: Accreditation

These cover the most significant and interesting Avaloq developments with customization impact, within the specified timeframe.

Accreditation rules



Every certificate is valid for **two years**.

In order to keep your certificate valid, you need to earn **120 accreditation points**.

Accreditation points are earned by completing accreditation courses.

120 points equal 4 course days.

Two Delta courses and **two Elective course days**.

2 mandatory Delta courses

Delta 2020H1: Avaloq Container Platform Reference (ACPR)

1 day

Delta 2019H2: The Migration API

1 day



2 Elective course days

ABR/S development and customization primer

1 day

Avaloq Web APIs

1 day

ACCP: Delta courses

Covers the most significant and interesting developments with customization impact delivered in a specific timeframe

Delta 2020H1: Avaloq Container Platform Reference (ACPR)

Learn the building blocks of application deployment, how to get around the repository, and how to configure and run an Avaloq product in ACPR successfully. Also, get an overview of the deployment concepts and see how monitoring and alerting are set up.

Delta 2019H2: The Migration API

This course is an introduction to the Migration API, which though not a new concept, has never yet been taught by Academy. The Migration API is the part of Avaloq's Avaloq Open Interface concept that is used to migrate an existing banking system to the Avaloq Banking Suite.

Delta 2019H1: Automated Personal Data Management (APDM)

Describes the main concepts of the Automated Personal Data Management (APDM) functionality, explains the design-time and run-time components of APDM and its customization.

Delta 2018H2: Derived Classifications using BRE

Refreshes learners' memories on the topics of classifications, derived classifications and Business Rules. Introduces Business Rules for customization of derived classifications.

ACCP: Electives

A broad list of specific topics on business and technical areas



Click on the course titles to go to the signup page.

ABR/S Bank-specific Customization and Contributions

The Avaloq Banking Reference/Starter Kit, or ABR/S, is delivered to all new Avaloq clients including on-premise, SaaS and BPaaS. Code developed during an ABR/S-based project is developed within the ABR/S customization and development framework. This course teaches participants how to customize bank-specific code for both on-premise and SaaS/BPaaS projects.

ABR/S Development and Customization Primer

Understand the ABR/S product and its special characteristics as these have significant implications. Participants learn how to develop within the ABR/S development framework by learning about ABR/S concepts, roles, processes and conventions.

Avaloq Application Monitor

This course provides an insight into the monitoring functionality of the Avaloq Core Platform (ACP). Participants are shown the Avaloq Application Monitor in the database and learn how to interface external monitoring solutions. They also learn how to customize existing monitor checks as well as create additional checks by using Avaloq Script reports.

Avaloq Web APIs

This course looks at Avaloq REST API products including AMI Web Services, for customized API development, and Avaloq's off-the-shelf API products, Open APIs and Community APIs. Participants learn the architectural implementation of the off-the-shelf products and how they are used in application development. The AMI Web Services topic covers the basics of the OpenAPI3 definition language and participants create and implement APIs during the live training. Participants see examples of all products interfacing with an ACP system, and how a test application makes API calls and deals with responses.

Best Practices for Report Writer

Report Writer technology is used to extract, transform, process and present data from the ACP. It is used in almost all banking areas and is a very important part of Avaloq data processing as well as the end-user experience. In this course, participants learn how to produce a more professional output for which they need to be aware of advanced features and the latest developments.

Front Workplace Banklet Integration

This course takes FWP customization to the next level by instructing customizers how to install banklets (traditionally used in Web Banking) into Front Workplace, integrating them into the application by adding to menus, configuring and exchanging parameters and reacting to events.

Front Workplace: Menus, Cockpits, Reports, and Dashboards

Front Workplace (FWP) is Avaloq's web-based user interface for customer-facing bank employees. It has many customizable aspects including menus, forms and reports. This course takes customizers through the theory and the practical creation of menu systems in FWP including the workbook, context and cockpit menus. It looks in detail at the reporting system – how to set up reports in the different cockpit views and how to bind parameters to them from the current view. Participants also learn how to build and integrate dashboards containing multiple reports and how parameters can be fed to the individual dashboard reports from the current FWP context.

Mastering Advanced Avaloq Script Techniques

Avaloq script is used in almost every customization area. Due to its ubiquity, it has become a very powerful and sophisticated tool but currently lacks high-performance debugging and optimization tools. It is therefore the customization professional's responsibility to understand the impact of what they are doing and ensure the correct responsive behavior of the software. This course provides tools in the form of best practice, optimization and debugging techniques and programming tricks, together with explanations of common pitfalls.

Person Object Modelling

The Person object provides the basis for important functionality within the ABS, most especially with respect to clients. This course introduces Person object modelling in Person Model 2 from a business perspective, and looks at how Person objects integrate with Business Partner objects to model different real-world scenarios.

Responsive Forms / Webforms

Many graphical user interfaces in the Avaloq Banking Suite are based on Avaloq forms which are highly customizable. This course provides an introduction to the functionality and customization of responsive forms / webforms and some closely related topics like presentation object types.

Web Banking App Development

The course takes you, step-by-step, through building your own web banking application. It introduces you to the Angular framework and how HTML and TypeScript are used to build single-page applications. Add web banking functionality to the application by integrating several of Avaloq's web banking components into your application pages and adding routing navigation between them. The course will look at using Avaloq's web components to improve the user experience even further and add internationalization. Finally, learn how to deploy your application to the Avaloq Front Platform and make it available to your users.

Avaloq Certified Banking Professional (ACBP)



For: Relationship manager, cashier, support office, middle office, securities trader, FX trader, portfolio manager, back office client account services, back office settlement & reconciliation, back office corporate actions & asset static data, back office cash & FX, back office credit, finance, treasurer, tax officer

Aim: To use and run the ABS efficiently

This course teaches key business and back office users how certain business areas are set up in the Avaloq Banking Suite. Given that the solution has interconnected modules, it is important to gain a solid foundation and understanding of how they interrelate. The Avaloq foundation course is a prerequisite to any of the specialist areas described below. The courses listed are on-demand and can be requested via academy@avaloq.com.

	Accounting	Cashier	Clients & Prospect Data Management	Corporate Actions (SECEVT)	Credit	Foreign Exchange	Fund Admin	Money market	OTC Products (Derivatives)	Payments	Portfolio Management (PFM)	SLB / REPO	Stock exchange	Tax (Stock Exchange, Transfer, Settlement)	Transfer & settlement
Relationship Manager	●	●	●	●	●			●	●	●			●		●
Cashier		●													
Support Office	●		●	●	●	●	●	●		●			●		●
Middle Office	●	●	●	●	●	●		●		●			●		●
Securities Trader													●		
FX Trader						●		●	●						
Portfolio Manager											●				
Back Office Client Account Services			●				●							●	
Back Office Settlement and Reconciliation								●					●	●	●
Back Office Corporate Actions & Asset Static Data				●		●	●						●		
Back Office Cash & FX		●				●	●	●	●	●	●		●		
Back Office Credit					●		●	●					●		
Finance	●														
Treasurer						●		●		●			●		
Tax Officer														●	

Pricing

Invest in the workforce



Click on the course titles to go to the signup page.

The courses designed to promote different skill paths and technical expertise allow you to choose the best learning path for your workforce. Understanding ramp-up limitations (time and resources), Avaloq Academy has addressed these by providing a competitive pricing model and different training methods that respect these limitations. Explore the courses below to find the method that works best for your organization.

*Excluding VAT

Training methods



Online
training (OT)



Virtual classroom
training (VCT)



Online live
training (OLT)



On-site
training (OST)

E-learning videos
for self-study.

Full online delivery
at a date and time
of your choice.

A blend of self-study
and virtual classroom
training.

Training delivered
in a traditional
classroom setting.

Courses	Duration (days)	List price (CHF/ participant)*	Client type	OT	VCT	OLT	OST
Introductory courses							
Avaloq Foundation (FOU)	1	1'050.-	On-premise, SaaS, BaaS	●	●		●
Avaloq Web APIs lite	0.5	350.-	On-premise, SaaS, BaaS	●			
Customization Principles (CuP)	5	5'250.-	On-premise, SaaS, BaaS		●		●
Introduction to ABR/S	0.5	350.-	On-premise, SaaS, BaaS	●			
Avaloq Certified Implementation Professional (ACIP)							
Global Implementation Methods Fundamentals (GIMF)	0.5	350.-	On-premise, SaaS, BaaS	●			
Global Implementation Methods Cross-functional Overview including ACIP exam	1	1'050.-	On-premise, SaaS, BaaS		●	●	
Avaloq Certified Operations Professional (ACOP)							
Avaloq Container Platform Reference (ACPR) operations (available on-request)	1	-	SaaS		●		
Avaloq Solution Model Development (ASMD)	0.5	350.-	On-premise, SaaS	●			
Technical Operations	3	3'150.-	SaaS		●		●

Courses	Duration (days)	List price (CHF/ participant)*	Client type	Training method
				OT VCT OLT OST
Avaloq Certified Customization Professional (ACCP)				
ACCP with Major in Core Technologies	16.5	14'400.-	On-premise	● ●
ACCP with Major in Front Technologies	16.5	14'400.-	On-premise	● ●
ACCP Front Upgrade	5	7'200.-	On-premise	● ●
ACCP: Delta courses				
Accreditation: Avaloq Container Platform Reference (Delta 2020H1)	1	1'050.-	On-premise	●
Accreditation: The Migration API (Delta 2019H2)	1	1'050.-	On-premise	●
Accreditation: Automated Personal Data Management (Delta 2019H1)	1	1'050.-	On-premise	●
Accreditation: Derived Classifications using BRE (Delta 2018H2)	1	1'050.-	On-premise	●
ACCP: Electives				
Accreditation: ABR/S Bank-specific Customization and Contributions	1	1'050.-	On-premise	●
Accreditation: ABR/S Development and Customization Primer	1	1'050.-	On-premise	●
Accreditation: Avaloq Application Monitor	1	1'050.-	On-premise	● ●
Accreditation: Avaloq Web APIs	1	1'050.-	On-premise	●
Accreditation: Best Practices for Report Writer	1	1'050.-	On-premise	●
Accreditation: Front Workplace Banklet Integration	1	1'050.-	On-premise	●
Accreditation: Front Workplace Menus, Cockpits, Reports and Dashboards	1	1'050.-	On-premise	●
Accreditation: Mastering Advanced Avaloq Script Techniques	2	2'100.-	On-premise	● ●
Accreditation: Person Object Modelling	1	1'050.-	On-premise	●
Accreditation: Responsive Forms / Webforms	1	1'050.-	On-premise	●
Accreditation: Web Banking App Development	2	2'100.-	On-premise	●

Become a globally accredited professional!

Contact us and let our experts give you the insight you need.

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Academy