

# Developing Applications Using ForgeRock® SDKs

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<b>Code:</b>	FR-541
<b>Length:</b>	3 days
<b>URL:</b>	<a href="#">View Online</a>

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This course is for students who want to learn how to use the ForgeRock® SDKs to speed up the integration of JavaScript, Android, and iOS applications, within an access management solution. The course presents key use cases and features of the ForgeRock SDKs.

## Skills Gained

- Introduce the ForgeRock SDKs, describe how they fit into the ForgeRock® Identity Platform (Identity Platform), and how they interact with ForgeRock® Access Management (AM)
- Integrate the ForgeRock SDKs into JavaScript, Android, and iOS applications using embedded login or centralized web login
- Increase security with a zero trust approach when integrating applications with the ForgeRock SDKs, using device profile context, transactional authorization, and WebAuthn
- Extend the ForgeRock SDKs' intelligent access by integrating your own UI with the SDK, customizing device profiles and requests to AM, and describing the ForgeRock authenticator module, user self-service, and single sign-on capabilities

## Who Can Benefit

- System Integrators
- System Consultants
- System Architects
- Developers of JavaScript applications
- Developers of native Android applications
- Developers of native iOS applications

## Prerequisites

- Basic knowledge and skills using the Linux and Windows operating systems to complete labs
- Basic knowledge of HTTP and communications between clients and servers is critical to understanding the interaction between the ForgeRock SDKs and AM
- Basic knowledge of JSON, JavaScript, REST, and Java
- Good knowledge of either JavaScript, Android, or iOS application development

- Attendance to AM400 ForgeRock Access Management Core Concepts course or equivalent knowledge

## Course Details

### Course Outline

#### Chapter 1: Introducing the ForgeRock SDKs

- Lesson 1: Exploring the ForgeRock SDKs
- Lesson 2: Examining the Interaction Between the ForgeRock SDKs and AM

#### Chapter 2: Integrating Applications with the ForgeRock SDKs

- Lesson 1: Integrating a JavaScript Application
- Lesson 2: Integrating a Mobile Application
- Lesson 3: Requesting OAuth2-Based Tokens and Retrieving User Info
- Lesson 4: Implementing Centralized Web Login

#### Chapter 3: Increasing Security with a Zero Trust Approach with the ForgeRock SDKs

- Lesson 1: Increasing Application Security with the ForgeRock SDKs
- Lesson 2: Collecting and Displaying Device Profile Data with the ForgeRock SDKs
- Lesson 3: Requesting and Saving Device Data with AM
- Lesson 4: Analyzing Device Profile Data with AM
- Lesson 5: Presenting Transactional Authorization with the ForgeRock SDKs
- Lesson 6: Presenting WebAuthn with the JavaScript SDK

#### Chapter 4: Extending Intelligent Access with the ForgeRock SDKs

- Lesson 1: Orchestrating the Authentication Flow When Using Your Own UI
- Lesson 2: Customizing Device Profiles
- Lesson 3: Intercepting and Modifying REST Calls to AM
- Lesson 4: Presenting Advanced ForgeRock SDKs' Features

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## Schedule (as of 3 )

Date	Location	
Aug 15, 2022 – Aug 17, 2022	<a href="#">MVP</a> Edison	<a href="#">Enroll</a>
Aug 15, 2022 – Aug 17, 2022	<a href="#">iMVP</a>	<a href="#">Enroll</a>
Aug 15, 2022 – Aug 17, 2022	<a href="#">MVP</a> King of Prussia (Philadelphia)	<a href="#">Enroll</a>
Aug 15, 2022 – Aug 17, 2022	<a href="#">MVP</a> McLean	<a href="#">Enroll</a>
Aug 15, 2022 – Aug 17, 2022	Ottawa	<a href="#">Enroll</a>
Aug 15, 2022 – Aug 17, 2022	<a href="#">MVP</a> Toronto	<a href="#">Enroll</a>
Dec 19, 2022 – Dec 21, 2022	<a href="#">MVP</a> Edison	<a href="#">Enroll</a>
Dec 19, 2022 – Dec 21, 2022	<a href="#">iMVP</a>	<a href="#">Enroll</a>

Dec 19, 2022 - Dec 21, 2022	<a href="#">MVP</a> King of Prussia (Philadelphia)	<a href="#">Enroll</a>
Dec 19, 2022 - Dec 21, 2022	McLean	<a href="#">Enroll</a>
Dec 19, 2022 - Dec 21, 2022	<a href="#">MVP</a> Ottawa	<a href="#">Enroll</a>
Dec 19, 2022 - Dec 21, 2022	<a href="#">MVP</a> Toronto	<a href="#">Enroll</a>

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