

BlackBerry Applications Integration Professional

The BlackBerry Applications Integration Professional accreditation provides beginner level BlackBerry UEM MAM and BlackBerry Dynamics SDK competencies to the learners. The primary goal of this Accreditation is to provide key competencies to System Integration and/or App Dev Engineers: allowing them to have preliminary BlackBerry Dynamics discovery discussions on BlackBerry Dynamics App development with Enterprise IT, App Developers and the LOB. Additionally, the learner will be able to help the Enterprise Developer "[get started](#)" with the BlackBerry Dynamics SDK and provide guidance on developing a sample app.

By completing this accreditation the learner will be able to drive BlackBerry Dynamics App adoption, which will significantly increase services opportunities and the sale of higher tiered licenses and Professional Services.

Important:

The accreditation provides beginner level BlackBerry UEM MAM and BlackBerry Dynamics SDK competencies to the learner and BlackBerry Gold and Platinum Partners are the primary audience. These Partners currently provide System Integration and Support services for BlackBerry customers and already possess an intermediate to advanced level skill set in deployment, administration and support of BlackBerry UEM and Dynamics solutions. As such the learners are expected to have a beginner to intermediate level experience with mobile app dev and mobile interactive development environments.

The technical accreditation path for BlackBerry Applications Integration Professional includes a blend of web-based training, instructor-led training, and an online assessment. All online content (web-based training and assessment) is accessed using the BlackBerry Universe learning portal. All pre-work requirements must be completed prior to the instructor-led training. To successfully achieve the accreditation for BlackBerry Applications Integration Professional, learners must complete all training and assessment requirements listed in the charts below.

Pre-Work

Training Module	Course Code	Duration	Description
Technical Sales – Module 302T: BlackBerry Dynamics Apps and SDK	518-61207-123	1 hour	The course provides an understanding of the BlackBerry Dynamics Platform and advantages, developer tools and capabilities.
Other training readiness activities	Please complete the follow pre-requisites located here before attending the instructor-led training.		

Instructor-Led Training

Training Module	Course Code	Duration	Description	Goals
CT102 - Business Transformation Using Applications	711-00120-123	1 hr	Gain insight on trends in digital transformation and learn why BlackBerry is the right platform to leverage to accelerate that transformation.	<ul style="list-style-type: none"> Describe key business requirements of Enterprise IT, LOB and Leadership when it comes to mobile applications. Describe how the BlackBerry Dynamics Application platform can help meet these requirements.
CT103 - Overview of BlackBerry Dynamics Platform	711-00170-123	1 hr	Build the foundational knowledge you will need to understand the BlackBerry Dynamics (BD) Platform and the benefits to you as a developer. This session will cover components of the BD architecture such as the BD Runtime, BD Proxy, BlackBerry Enterprise Mobility Server (BEMS), and BlackBerry UEM. It will also give an overview of the BlackBerry Dynamics SDKs and where to find resources and help.	<ul style="list-style-type: none"> Describe the key concepts, terminology and architecture to build and deploy BlackBerry Dynamics applications Describe and identify key areas and MAM functions on the BlackBerry UEM Admin Console List and recommend various BlackBerry Dynamics Development options
CT104 - Secure Your First BlackBerry Dynamics Application	711-00186-123	1.5 hrs	Gain experience with the BD SDK by securing your first application in its simplest form. This will be a hands-on session that walks through the steps involved in integrating the BD SDK with an example application. Bring a laptop with your preferred (supported) development environment installed and ready to go.	<ul style="list-style-type: none"> Describe front end Mobile Application authentication process Feels able to add BlackBerry Dynamics to a mobile application, or that their team will be able to. Build a functional BlackBerry Dynamics application.
CT105 - Securely Connect Your Dynamics Application to the Enterprise Infrastructure	711-00207-123	1.5 hrs	Once you have learned the basics of integrating the BD SDK to your application, the typical next step is to begin communicating with a data source. In this session you will learn how to make use of the secure communication API within BD to make a REST call to a server that is configured in BlackBerry UEM. This session will also touch on authentication options such as Kerberos, KCD, PKI and SSO. This will be a hands-on session that walks through an example application. Bring a laptop with your preferred (supported) development environment installed and ready to go.	<ul style="list-style-type: none"> Explain the unique capabilities of the BlackBerry Dynamics SDK in providing secure behind the firewall connectivity for Enterprise applications Explain the backend application server authentication process Define various authentication methods utilized by applications servers and supported BlackBerry Dynamics. Explain steps to configure BlackBerry Dynamics routing as per customer needs.
CT106 - Secure Storage and Protecting Your Data at Rest	711-00254-123	1 hr	After you have consumed data from a data source it is important to store that data securely. This session will discuss the secure storage API within BD and teach you how to use the SDK to protect your data at rest. This will be a hands-on session that walks through an example application. Bring a laptop with your preferred (supported) development environment installed and ready to go.	<ul style="list-style-type: none"> Explain why you need to secure your data at rest and how BD can help Describe how the data is secured Explain the BlackBerry Dynamics application wipe process
CT107 - Application Management, Policies, and Configuration	711-00314-123	1 hr	This session will introduce the concept of application management and configuration from the BlackBerry UEM console. BlackBerry UEM provides out of the box app settings developers can utilize or developers can create their own custom app configurations. You will learn how to consume these app configurations within your application and how they can benefit you and your users. This will be a hands-on session that walks through a sample application.	<ul style="list-style-type: none"> Describe the differences between app configuration and app settings Explain the concept of app settings and their enforcement in the runtime or by the application. List steps to set up an application policy definition.

Training Module	Course Code	Duration	Description	Goals
CT202 - Launcher Integration	711-00117-123	1 hr	The BlackBerry Launcher is a feature of BD based applications that is a convenient place for users to access features such as email, documents, the administrator-defined app store, other BD applications. Developers are easily able to enable their apps to show up in the Launcher. Now with the BlackBerry Launcher library, you can also integrate the launcher to your own BD applications.	<ul style="list-style-type: none"> Explain the process of adding Launcher to a BlackBerry Dynamics application. Enable an application to appear in the BlackBerry Dynamics Launcher.
CT203 - Rapid Development Leveraging BEMS Services and the Shared Network	711-00118-123	1 hr	When dealing with enterprise workflows it is common to interact with multiple applications to accomplish a task. This session will introduce you to the concept of App-Kinetics, the capability for BD applications to securely share data with other BD integrated apps. You will also learn about common App-Kinetics services provided by BlackBerry.	<ul style="list-style-type: none"> Describe the concepts of App-Kinetics framework and its importance in developing BlackBerry Secure apps. List steps required to enable consumption of an Application-Based Service to a BlackBerry Dynamics application.
CT204 - Integrating the BlackBerry Analytics SDK	711-00379-123	1 hr	Measure the success and understand the issues users are facing with your apps. BlackBerry Analytics consists of a dashboard of actionable Analytics data continuously gathered from applications on an enterprise users' devices. The events are sent to the BlackBerry Analytics Engine by the BlackBerry Analytics SDK, which can be included in an enterprise or ISV app. The system calculates metrics for display in the cloud-based BlackBerry Analytics Dashboard and also retrieval with the BlackBerry Analytics REST API for custom reports.	<ul style="list-style-type: none"> Able to add the Analytics library to a BlackBerry Dynamics application. Explain how to make an application send analytics data to the BlackBerry Analytics portal Demonstrate that analytics data is available from the BlackBerry Analytics portal Provide guidance into adding custom analytics
CT205 - Managing the Application Development Lifecycle	711-00381-123	1 hr	Learn how developers can take lead roles in the development of mobile applications to help ensure project success. Discover how BlackBerry Dynamics and BlackBerry UEM can work together to support multiple app states: development, QA, UAT and production. BlackBerry UEM has multiple methods to deliver applications to end users on managed and non-managed devices.	<ul style="list-style-type: none"> Describe how BlackBerry UEM and Dynamics can fit within the agile development approach. Explain the various application deployment experiences for Enterprise or ISV developers
CT206 - Introduction to the Extended Development Platform	711-00382-123	1 hr	The BlackBerry Dynamics SDK is just one of the many tools BlackBerry provides to application developers. This session will provide a high-level overview of these additional products including BlackBerry UEM management APIs, BlackBerry UEM Integration SDK, BlackBerry 2FA, BlackBerry Enterprise Identity, BlackBerry Workspaces and the BBM Enterprise SDK.	<ul style="list-style-type: none"> List and provide key features of BlackBerry tools and SDKs available to application developers. Describe the BlackBerry Dynamics application ecosystem.
BlackBerry Applications Integration Professional - Assets	711-00119-123	2 days	This course contains various learner resources for BlackBerry Applications Integration Professional accreditation.	<ul style="list-style-type: none"> Supplement the learning with workbooks and samples.
BlackBerry Applications Integration Professional - Assessment	719-00452-123	1 hr	This Assessment will evaluate the learner according to the objectives for the associated instructor-led course.	<ul style="list-style-type: none"> The passing score for this assessment is 80%.