

Self Checkout

Introduction

The Self Checkout product integration allows library patrons to independently check out items from the library on their own using only their phones or desktop browser.

Note

This product integration does not support self checkout that requires use of de-magnetization/RFID for library gates.

Vendors

The Self Checkout product integration supports the [Ex Libris Alma](#) vendor.

User Experience

The following section describes information relating to the user experience for the Self Checkout product integration.

User Activities

- The user can see up to 50 of their current loans.
 - The user can see an image directing them where to look for the item barcode.
 - The user can scan an item barcode with their device camera, or type it in manually in order to check the item out.
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Note

- Using the device camera to scan an item is a mobile-only feature.
 - The Self Checkout product integration automatically supports the following barcode formats:
 - **QR**: Square QR codes
 - **Barcode (EAN)**: EAN-13 or EAN-8 Barcodes
 - **Barcode (Code)**: Code-128, Code-39, or Code-93 Barcodes
 - **Barcode (other)**: Codabar, Interleaved 2 of 5 (ITF), ITF-14, UPC-E, or PDF-417 Barcodes
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Authentication

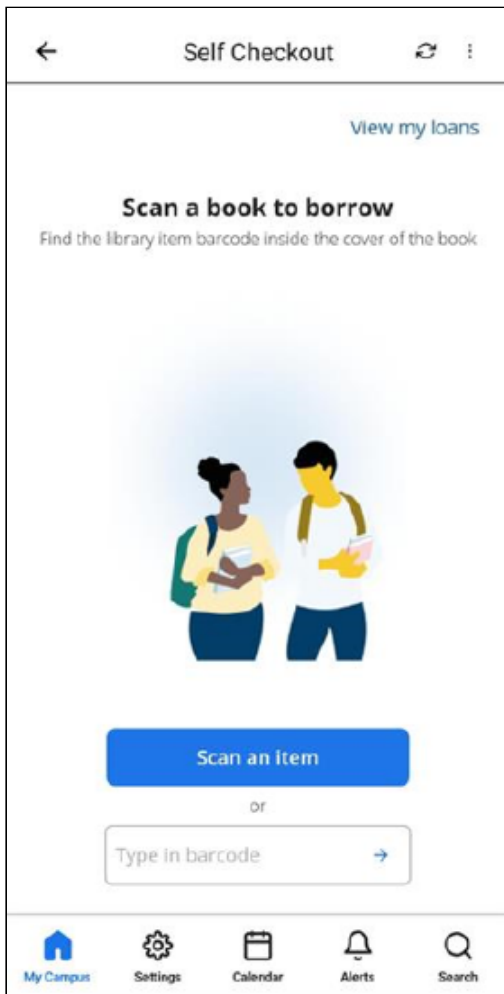
Once the user is logged in to the app, authentication to Alma/Primo VE is done behind the scenes (SSO) with the AlmaID received from the IDP. A login is not required from the user at any stage. If the app sends an invalid AlmaID to Alma, the

user will not be able to use this product integration.

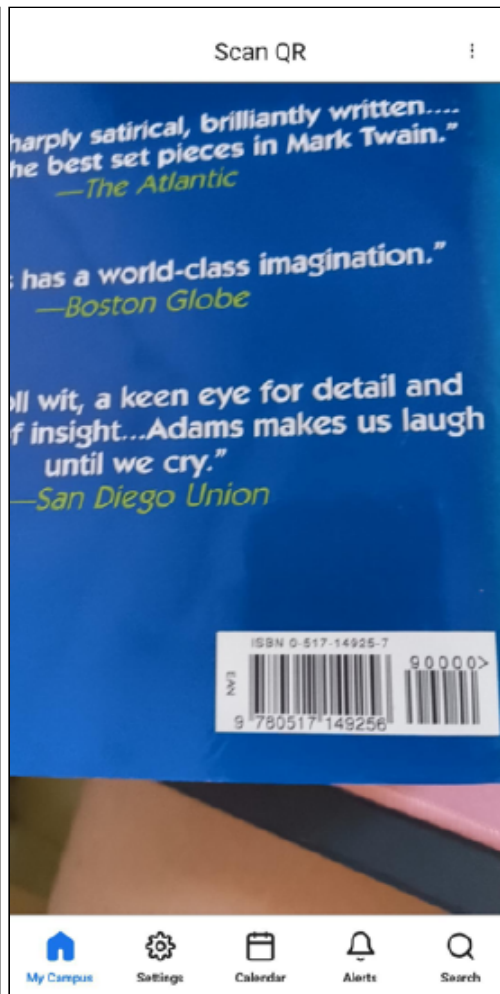
Offline Support

No offline support is available.

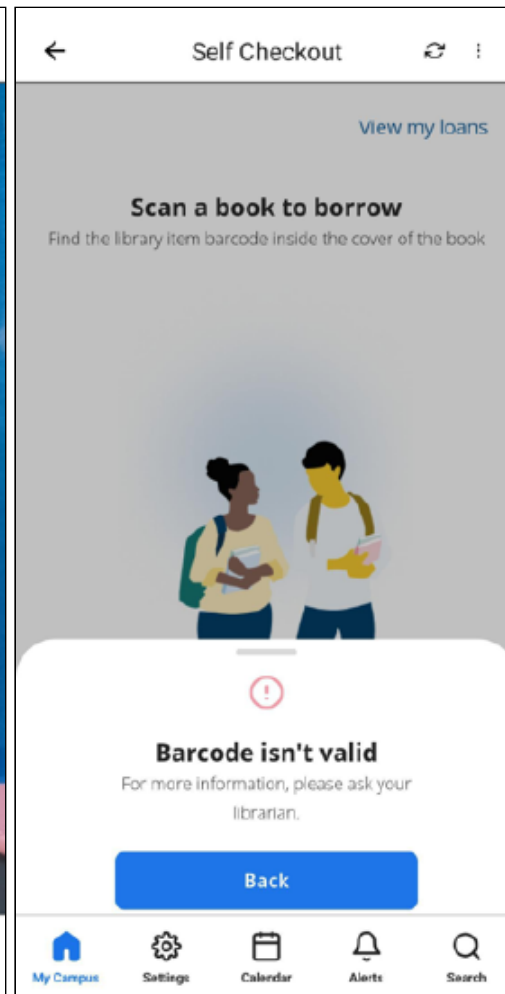
Screenshots



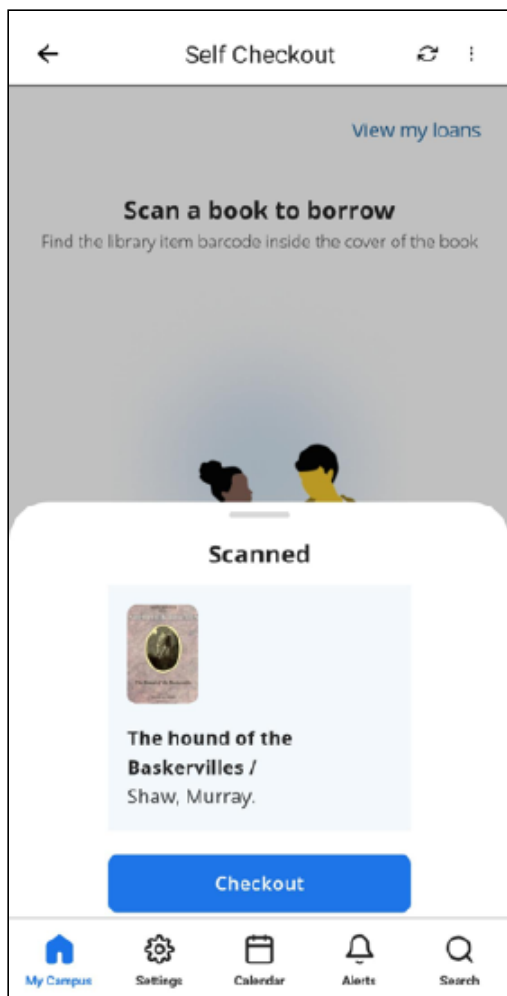
Landing Page



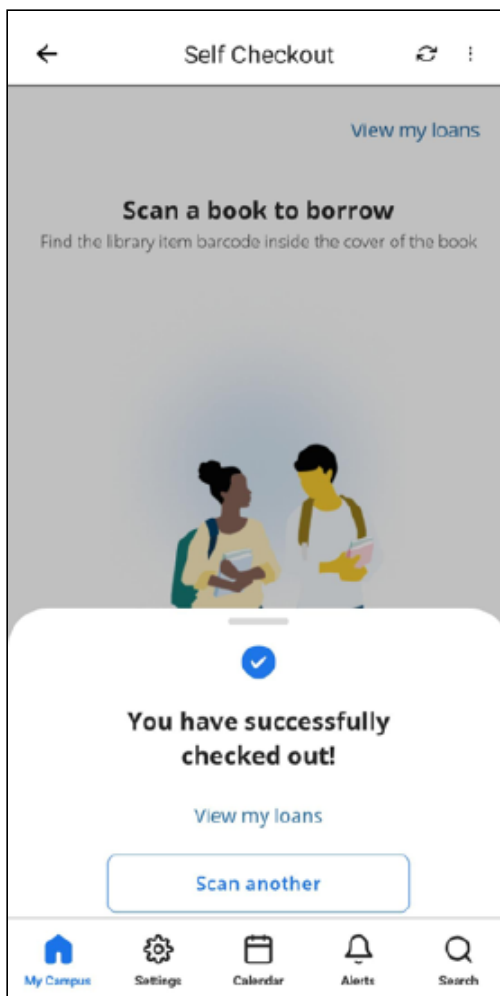
Using the device's camera to scan a barcode



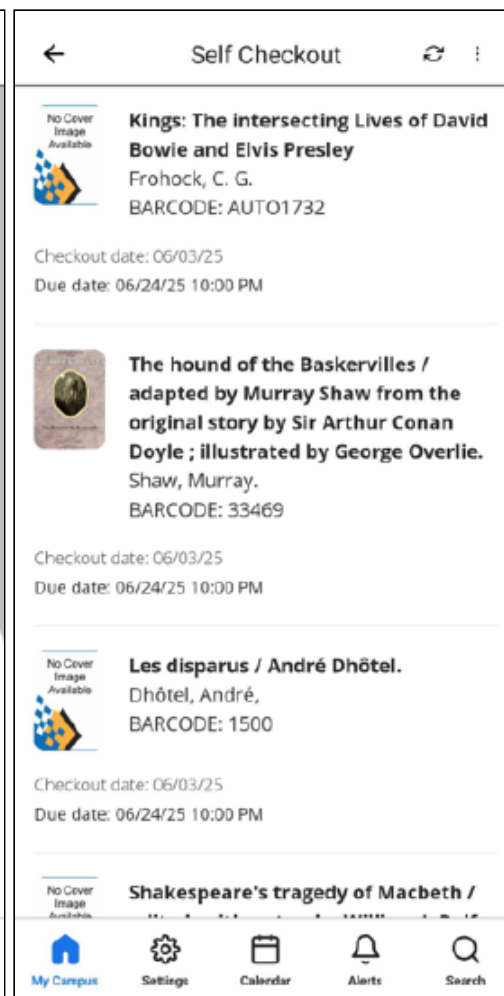
Invalid Barcode error message



Scanned pop-up



Successful checkout screen



The View My Loans screen

Configuration

The following section describes configurations for the Self Checkout product integration.

Prerequisites

Like in the [PrimoVE product integration](#), the IDP should return the AlmaID attribute. The Alma ID attribute is a unique ID controlled by the customer that is defined per student/staff member in Alma.

This attribute can have any name in the IDP attributes response (from SAML/OAuth/LDAP) but needs to be mapped in the Additional Mapping section in the corresponding Integration Profile. For more information, see [Configuring Integration Profiles](#).

Alma must be configured with a circulation desk that allows circulation for the Library/Libraries the items belong to. For more information please see our Alma documentation regarding [Configuring Fulfillment](#). For a configuration example in Alma, please see [this post from Bond University describing their Alma setup to allow self-checkout via campusM](#).

Configuration

To configure the Self Checkout product integration, select **Add Product Integration** from the **Product Integrations** main menu option.

Select **Library**, and then **Self Checkout**. The following configuration page will appear:

Configuration Option	Description	Mandatory	Data Type	Default	Example
Manage Integration					
Enable Product Integration	Check this box to enable Self Checkout	No	Boolean	False	
Product Integration Description	Description for this Self Checkout instance	Yes	String	-	Library Self-Checkout
Screen Title	Appears in the top header	No	String	Self Checkout	
Vendor					
Vendor Name	Defines which vendor the integration connects to.	Yes	Object	-	Alma
Region	The region your Alma instance belongs to: <ul style="list-style-type: none"> • Europe (EU) • North America (NA) • Asia Pacific (APAC) • Canada (CA) 	Yes	Object	Europe	
API Key	Your API key from Alma. This key should have the following permissions for the relevant Alma environment (Production/Sandbox): <ul style="list-style-type: none"> • Area: Users, Permissions: Read/write • Area: Bibs, Permissions: Read-only See documentation in our developer network for further details.	Yes	String	-	
Circulation Desk Parameter	The Alma circulation desk code that is responsible for the loan	Yes	String	DEFAULT_CIRC_DESK	
Library Parameter	The Alma library code that is responsible of the loan	Yes	String	MAIN	
General					
Default Locale	Used to help coordinate any difference in timezones.	No	String	en-gb	

Configuration Option	Description	Mandatory	Data Type	Default	Example
Checkout Date Format	The format of the checkout date as shown in the "View My Loans" page	No	String	MM/DD/YY	
Due Date Format	The format of the due date as shown in the "View My Loans" page	No	String	MM/DD/YY h:mm A	
URL for Self Checkout Custom Image	Specify a custom image to display on the Self Checkout main screen. This image is usually intended to visually show patrons where the item barcode they need to scan is. The dimensions of the image will be resized and cropped to 242 x 317. If left blank, a generic default image will be used.	No	String	When no URL is configured a generic default image appears.	
Maximum Number of Loans	Define the maximum number of loans to be retrieved and displayed. Must be between 1 and 50, inclusive.	No	Integer	10	
Text/Labels					
Page Title	The title that appears in the landing page for the Self Checkout product integration.	No	String	Scan a book to borrow	
Help Text	Instructional text that appears under the page title which instructs the patron where to look for the barcode.	No	String	Find the library item barcode inside the cover of the book	
Scan Item Button Text	The text on the button which opens the camera to scan the item.	No	String	Scan an Item	
Separator Text	The text to display between the Scan Item button and the barcode manual entry field.	No	String	or	
Barcode Input Box Text	The text that appears in the barcode manual entry field when it is empty.	No	String	Type in barcode	
Submit Barcode Button Accessibility Label	Text intended to be used by screen readers when focusing on the submit button in the barcode manual entry field. Not displayed visually.	No	String	Submit barcode	
View Loans Text	Text for a link displayed at the top right of the Self Checkout landing page, which directs the user to a list of their current loans.	No	String	View my loans	
Item Barcode Label	In the View My Loans page, this is the name of the field which contains the barcode, as it is displayed to the user.	No	String	BARCODE	
Item Checkout Date Label	In the View My Loans page, this is the name of the field which contains the item checkout date, as it is displayed to the user.	No	String	Checkout date	
Item Due Date Label	In the View My Loans page, this is the name of the field which contains the item due date, as it is displayed to the user.	No	String	Due date	

Configuration Option	Description	Mandatory	Data Type	Default	Example
No Current Loans Text	In the View My Loans page, this text is displayed when the user has no loans to display.	No	String	No current loans.	
More Loans Text	<p>In the View My Loans page, this text is displayed at the bottom of the page when the user has more loans than was configured to display (see Maximum Number of Loans).</p> <p>Use the following strings to insert the appropriate numbers:</p> <ul style="list-style-type: none"> <code>{{maxLoans}}</code> - the Maximum Number of Loans (as configured above). <code>{{totalLoans}}</code> - the total number of active loans retrieved for the user. 	No	String	<pre> Only {{maxLoans}} of your {{totalLoans}} active loans are displayed. </pre>	
Scanned Item Modal Title	The title of the pop-up shown after a barcode has been successfully scanned.	No	String	Scanned	
Close Modal Button Accessibility Label	Text intended to be used by screen readers when focusing on the X button used to exit the "Scanned" pop-up. Not displayed visually.	No	String	Close	
Scanned Item Modal Checkout Button Text	Text shown on the button used to checkout an item after successfully scanning its barcode, as it appears in the Scanned pop-up.	No	String	Checkout	
Loan Retrieval Error Text	Text to display when there is an error when trying to present the View My Loans	No	String	Error in Self Checkout	
Barcode Error Modal Title	Text to display when the barcode is scanned, but Alma determines it is not a valid barcode.	No	String	Barcode isn't valid	
Checkout Error Modal Title	Title of the pop-up displayed once a user has tried to check an item out, but the checkout failed.	No	String	Checkout failed	
Modal Error Message	The text which appears in the pop-up that's displayed once a user has tried to check an item out, but the checkout failed.	No	String	For more information, please ask your librarian.	
Modal Back Button Text	Text to display in the Back button.	No	String	Back	
Successful Checkout Modal Title	Text that appears in the pop-up upon a successful checkout.	No	String	You have successfully checked out!	
Scan Another Button Text	The text that appears on the button in the confirmation after a successful checkout, which allows you to scan another item.	No	String	Scan another	