

# Content Management (CM) Docs

Phunware's [Content Management \(CM\) module](#) allows you to edit and publish content and configurations to your mobile app portfolio, via an easy to use web management portal. Updates can be published to apps over the air, without requiring app store resubmission.

The Content Management (CM) module includes:

- Content Management (CM) SDKs and APIs (for iOS/Android apps)
- MaaS portal web management tool, to manage content

[Releases \(CM\)](#) [Training \(CM\)](#) [Config Guides \(CM\)](#) [Android SDK \(CM\)](#) [iOS SDK \(CM\)](#) [APIs \(CM\)](#)

## Content Management Releases

Content Management functions are now part of the [Core SDK for iOS](#) and [Core SDK for Android](#) - and the Content Management SDK has been deprecated. Please upgrade to the latest version of Core SDK to continue to use Content Management features.

Date	Updates/Release Notes	iOS SDK	Android SDK	Training & Documentation
4/10/17	UI Enhancements + Content Import/Export, Search, and Sort	N/A	N/A	Training-Content Management-ImportExport, Search, and Sort Features

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## Content Management Training Resources

Content Management - Directory Configuration

Document Title/Link	Document Description	Last Updated
<a href="#">Content Management Module #12 (Partner): Templates and Content Configuration</a>	Video training specific to partner trial with sample apps and templates that are pre-configured	7/5/2017
<a href="#">Content Management Module #4: Content Configuration (Manual)</a>	Video training on how to add content to your app using Phunware's Content Management module after you have configured the schemas, and structures that manage your content.	7/5/2017
<a href="#">Content Management Module #5: Content Configuration (Batch Import-Export)</a>	Video training for the new features in MaaS portal's Content Management Module: Import/export, sort and search content	7/5/2017
<a href="#">Content Management - Directory Templatee</a>	Video training for configuring the Directory Content using the template.	9/25/2017

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## Content Management Configuration Guides

Document Title/Link	Document Description	Last Updated
<a href="#">Content Management Configuration Guide</a>	An end-to-end guide to using Phunware's MaaS portal Content Management Module, which helps you populate your app with the content that makes your brand special.	4/10/2017

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## Android Content Management SDK Developer Documentation

Document Title/Link	Document Description	Last Updated
<a href="#">Android SDK Integration Guide - CM</a>	Phunware's Android SDK README for the Content Management Module. Includes an overview, session setup and update, installation, activities, analytics, compilation, and integration with Google Play instructions.	3/23/2015

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## iOS Content Management SDK Developer Documentation

Document Title/Link	Document Description	Last Updated
<a href="#">iOS SDK Integration Guide - CM</a>	This is Phunware's iOS SDK README for the Content Management module, which includes requirements, getting started, installation, and integration	3/20/2015
<a href="#">iOS SDK Content Creation and Updates - CM</a>	Parameters and sample code for the iOS SDK that enables creating and editing content	1/14/2015

iOS SDK Fetching Content - CM	Parameters and sample code for the iOS SDK that enables fetching content	1/14/2015
iOS SDK Deleting Content - CM	Parameters and sample code for the iOS SDK that enables deleting content	1/14/2015
iOS SDK Querying Content - CM	The PWCME SDK provides convenient methods that allow you to very easily search and filter for CME content. The primary classes for querying are PWCMEQuery and PWCMEQueryOperation. You can also leverage the convenience method on PWCMEContainer to perform queries. This document includes: Constructing a Query, Executing a Query, and Paginating Query Responses.	1/14/2015
iOS SDK Building Query Predicates - CM	An NSPredicate object defines the logical conditions for determining whether a record is a match for a query. The PWCMEQuery class supports a subset of the predicate behaviors offered by the full NSPredicate class. This document includes: Predicate Rules for Query Objects, Supported Predicate Operators, and Sample Predicate Format Strings.	1/14/2015

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## Content Management APIs 2.0

The documents in this section have restricted access. If you need access to these documents contact Phunware [support](#).

Document Title/Link	Document Description	Last Updated
<a href="#">Content Management API 2.0 Introduction</a>	An introduction to the Content Management API 2.0 and provides a list of Endpoints-Methods that describes the use case of each.	10/8/2017
<a href="#">Architecture, Authorization, Response Handling</a>	A reference of the Content Management API Architecture that includes a description of the JWT Authorization and Response Handling (with code examples).	10/8/2017
<a href="#">CM Organization Reference</a>	A reference document that shows how the Content Management module uses Schemas, Structures, and Containers to store and display content in an app. A list of rules that the SDK uses to manage content in this paradigm.	10/8/2017

<b>Breadcrumb Methods</b>	A list of the methods (with links to the detailed documents) used to create breadcrumbs in the MaaS portal.	10/8/2017
<b>Schema Methods</b>	A list of the methods (with links to the detailed documents) used to display, create, update, and delete Schemas.	10/8/2017
<b>Structure Methods</b>	A list of the methods (with links to the detailed documents) used to display, create, update, and delete Structures.	10/8/2017
<b>Container Methods</b>	A list of the methods (with links to the detailed documents) used to display, create, update, and delete Containers.	10/8/2017
<b>Content Methods</b>	A list of the methods (with links to the detailed documents) used to display, create, update, and delete Content.	10/8/2017
<b>Files/S3 Methods</b>	A list of the methods (with links to the detailed documents) used to upload files via CM URLs.	10/8/2017

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