



**CMS Developer Certification reference material**

## Reference Links

Table 1 includes links to resources that align with each of the content areas on the Content Cloud Developer certification exam. Table 2 includes additional general resources not aligned to particular content areas.

**Table 1. Resource links outlined by exam content area.**

Product Knowledge		
Concept	Platform and customization	<a href="#">Getting started with Optimizely Content Cloud</a>
		<a href="#">User interface (User)</a>
		<a href="#">Optimizely user interface (Dev)</a>
	Working with different roles and views	<a href="#">Roles and tasks</a>
		<a href="#">On-page editing view</a>
		<a href="#">All properties editing view</a>
	Technical architecture	<a href="#">Technology stack</a>
	SEO	<a href="#">Search engine optimization</a>
	Content reuse	<a href="#">Using a block as a property</a>
Editing	Web browser support	<a href="#">System requirements for Optimizely</a>
	Editor/built in properties	<a href="#">User interface (User)</a>

		<a href="#">Optimizely user interface (Dev)</a>
	Page tree	<a href="#">Structuring the website</a>
	Image editor	<a href="#">Adding and editing images</a>
	Globalization	<a href="#">Globalization</a>
	Container pages	<a href="#">Structuring the website</a>
	Blocks	<a href="#">Blocks</a>
	Personalization using visitor group	<a href="#">Personalizing with visitor groups</a>
	Multilingual content	<a href="#">Multilingual content</a>
	Edit view capabilities	<a href="#">Creating content</a>
		<a href="#">Learning basic editing</a>
		<a href="#">Creating and editing content</a>
	On-page edit	<a href="#">On-page editing view</a>
	Multisite content	<a href="#">Websites</a>
		<a href="#">Setting up multiple sites</a>
Administering		<a href="#">Administration interface</a>

	Access rights, language, content types	<a href="#">Access rights</a>
		<a href="#">Website languages</a>
		<a href="#">Content types</a>
	Scheduled jobs	<a href="#">Scheduled jobs (User)</a>
		<a href="#">Scheduled jobs (Dev)</a>

	Content types	<a href="#">Content types (User)</a>
		<a href="#">Content types (Dev)</a>
	Change log	<a href="#">Change log</a>
		<a href="#">Configuring change log</a>
	Content type settings	<a href="#">Content types (User)</a>
		<a href="#">Content types (Dev)</a>
	Website configuration	<a href="#">Websites</a>
	Finding Information	<a href="#">Optimizely CMS APIs and libraries</a>
		<a href="#">EPiServer CMS 12 Class Library</a>

	Sample and demo sites	<a href="#">Alloy demonstration templates</a>
	Optimizely Community (World)	<a href="#">Optimizely Community (World)</a>
	Product documentation	<a href="#">Content Cloud (User)</a>
		<a href="#">Content Cloud (Dev)</a>
Installation, Operation & Configuration		
Environment	Load balancing	<a href="#">Deploying to Windows servers</a>
	Configuration files	<a href="#">Configuration</a>
	Best physical architecture, configs	<a href="#">Setting up a development environment</a>
		<a href="#">Deploying Content Cloud</a>
		<a href="#">Initial configuration</a>
Solutions Set Up	Installation	<a href="#">Installing Optimizely (ASP.NET Core)</a>

	Migrating major versions	<a href="#">Upgrading to Content Cloud (CMS 12)</a>
		<a href="#">Upgrade Assistant</a>
	Updates and patches	<a href="#">Upgrading Optimizely</a>
		<a href="#">Installing add-ons (Updating an add-on)</a>

	Add-ons installation	<a href="#">Installing add-ons</a>
DXP Cloud Hosting	Infrastructure	<a href="#">Optimizely Digital Experience Platform</a>
		<a href="#">DXP Cloud Services</a>
		<a href="#">Introduction to DXP</a>
		<a href="#">Getting Started with DXP</a>
		<a href="#">DXP Requirements</a>
	Backup and recovery	<a href="#">Failover</a>
	Deployment API	<a href="#">Deployment API</a>
	Self-service management portal	<a href="#">Self-Service for DXP</a>
	CDN	<a href="#">CDN Recommendations</a>
		<a href="#">Purging CDN cache</a>
	Additional services	
Add-ons	Upgrade process	<a href="#">Overview of add-ons</a>
	Dependency management	<a href="#">Developing add-ons</a>
	Third party modules	<a href="#">Optimizely App Marketplace</a>

	Add-ons install their files	<a href="#">Installing add-ons</a>
	Injects of scripts to enable add-ons	
Website Implementation & Delivery		
Technical Architecture	Components	<a href="#">Architecture</a> <a href="#">Properties</a> <a href="#">IContentRepository</a> <a href="#">Apps and integrations for Optimizely</a>
	Configurations and properties work	
	IOC Container	
	Different integration methods	
Implementing Search & Navigation	Installation and configuration	<a href="#">Search</a> (dev) <a href="#">Search &amp; Navigation</a>
	Conventions and indexing	
	Search queries	
	Search results	
	Search filters and facets	
Authentication & Authorization	Authentication models	<a href="#">Security (CMS12)</a>
		<a href="#">Security (DXP)</a>

	Authorization	<a href="#">Initial configuration (Authentication and authorization)</a>
Classes & Interfaces	Content and related interfaces	<a href="#">Content</a>
		<a href="#">IContentRepository</a>

		<a href="#">Persisting IContent instances</a>
	Filter by visitor	<a href="#">Searching for pages based on page type</a>
	Links and references	<a href="#">Links</a>
		<a href="#">Linking to other content</a>
Globalization	Language resources	<a href="#">Globalization</a> <a href="#">Multilingual content</a> <a href="#">Optimizely Languages add-on</a>
	Language settings	
	Defining new languages	
	Working with globalization using code	
Performance & Caching	Object caching	<a href="#">Caching (Object caching)</a>
		<a href="#">Object caching</a>
	Output caching	<a href="#">Caching (Output caching)</a>
	General CDN principles	<a href="#">Content Delivery Network (CDN) Configuration</a>



	Best practices	<a href="#">Caching</a>
		<a href="#">Configuring caching of files</a>
Dynamic Data Store	Concept and recommendations	<a href="#">Dynamic Data Store</a>
		<a href="#">Custom Database Tables</a>
Visitor Groups	Target content	<a href="#">Personalization</a> <a href="#">Targeting marketing segments for mailing campaigns</a>
	Custom criteria	<a href="#">Developing custom visitor group criteria</a>

## Framework Components

Plug-Ins	Extending CMS UI using GUI plug-ins	<a href="#">User interface</a>
		<a href="#">Plug-in areas</a>
		<a href="#">Plugging in a gadget</a>
		<a href="#">Extending the navigation for Optimizely Content Cloud</a>
		<a href="#">Creating a component for the assets pane</a>
		<a href="#">Configuring the dashboard</a>
		<a href="#">Modifying a view through configuration</a>
Scheduled Jobs	TinyMCE customization	<a href="#">TinyMCE editor</a>
		<a href="#">Custom style formats</a>
	Implementing scheduled jobs	<a href="#">Scheduled jobs (User)</a>
		<a href="#">Scheduled jobs (Dev)</a>

	Configure scheduled jobs	<a href="#">Scheduled jobs (Dev)</a>
Initialization	Implementing initialization	<a href="#">Initialization</a>
		<a href="#">Creating an initialization module</a>
		<a href="#">Dependency injection</a>
Extending the CMS UI	Gadgets	<a href="#">Plugging in a gadget</a>
	Customizing menu system	<a href="#">Adding and configuring menu items</a>
	Customizing views	<a href="#">Views</a>
Content Provider	Implementing a content provider	<a href="#">Content providers</a>
		<a href="#">Configuring content providers</a>
Notifications	Notification API	<a href="#">Using user notifications</a>

		<a href="#">Usage examples</a>
<b>Content Models</b>		
Rendering	Adaptive websites	<a href="#">Rendering</a>
		<a href="#">Client resources</a>
Content Types	Concepts	<a href="#">Content types</a>
	Create the site	<a href="#">Refactoring content type classes</a>
	Code structuring	

	Container pages	
	Refactoring content types	
Essential Classes	Data abstraction	<a href="#">Service locator</a> <a href="#">Event management</a>
	Event model	
	Repository dependency services	
	Resolver dependency services	
Properties	Custom properties	<a href="#">Properties</a> <a href="#">Custom properties</a> <a href="#">Built-in property types</a>
	Configure common editors	
	Basic editor for a property	
	Extend or override existing CMS property types	
	Property settings	
	Built-in property	
Validations	Common validation rules	<a href="#">Validating object instances</a>
Content Approvals	Defining approval sequences	<a href="#">Content approvals (User)</a> <a href="#">Content approvals (Dev)</a> <a href="#">Configuring email notifications for content approvals</a> <a href="#">Working with content approvals</a>
	Reviewing content	

Optimizely Forms	Concepts	<a href="#">Optimizely Forms</a>
		<a href="#">Forms developer guide</a>
	Configuring and customizing forms	<a href="#">Configuring Optimizely Forms</a>
Projects	Project features	<a href="#">Projects (User)</a>
		<a href="#">Projects (Dev)</a>
	Configuring and customizing projects	<a href="#">Working with projects programmatically</a>

**Table 2. General content cloud resource links.**

General Content Cloud Developer Resources		
General	OPTIPEDIA Optimization Glossary	<a href="#">OPTIPEDIA Optimization glossary</a>
	Optimizely Terminology Glossary	<a href="#">Glossary of Optimizely terminology</a>