

What's New in Oracle Content and Experience

21.2.2 (Universal Credit Model) — April 2021

Content Capture

- New capture capabilities make it easier to ingest content such as hard copy or electronic documents. More...
- Capture content from an array of different content sources, such as email, a scanner, or a network file share. More...
- Convert scanned content using optical character recognition into fully indexed, searchable PDFs. More...
- New business repositories scale to support storing millions of documents. More...

Workflow Updates

- Set default or required workflows for your asset types. More...
- Trigger workflows automatically when assets are added or created. More...
- Scheduled publishing jobs support targeted channels. More...
- Search for past and future scheduled publishing jobs. More...

General Improvements

- View analytics on Video Plus assets. More...
- The Documents page shows folder members, tags, and metadata in a slide-out panel. More...
- Desktop client creation and last modified dates match the web client. Last modified date is updated only when the file or attributes are modified. More...

Developer Updates

- OCE Toolkit supports exporting and migrating more than 10,000 assets per batch. More...
- Precompile HTML for content items and custom digital assets. More...

- Repository managers can precompile HTML for asset types that support precompiling. [More...](#)
- Content List and Content Item components in sites support rendering custom digital assets. [More...](#)
- In the June 2021 (21.3.1) release Oracle Content and Experience will upgrade Knockout library from v.3.4.2 to v.3.5.1 which may impact your custom components. [More...](#)

21.2.1 (Universal Credit Model) — March 2021

Scheduled Publishing

- Schedule assets to be published at a particular date and time. Asset versions are reserved for publishing, allowing work on new versions. [More...](#)
- View a calendar of publishing jobs to see the status of past jobs, or to edit or cancel future jobs. [More...](#)
- Edit a pending job to allow other users to manage the job, add additional assets, or change the schedule. [More...](#)
- Copy a completed job to publish the assets again in the future. [More...](#)

General Updates

- Digital asset types support friendly URLs. [More...](#)
- Digital asset types support content layouts. Preview digital assets in the associated layouts. [More...](#)
- Download multiple files and folders at the same time. [More...](#)
- The desktop client supports moving files no longer being synced to an Unsynced Content folder for easy recovery instead of the system recycle bin (Windows) or trash (MacOS). [More...](#)
- In the embedded user interface, delete published assets if you have permission to unpublish them. [More...](#)
- Information about REST API categories has been updated. [More...](#)
- More Headless CMS samples have been added to GitHub. [More...](#)

21.1.3 (Universal Credit Model) — February 2021

Repository Updates

- Filter assets that aren't targeted, categorized, or in a collection. [More...](#)
- Enable a site to use assets from multiple repositories. [More...](#)
- Define whether an asset reference is required or optional for publishing. [More...](#)
- Limit media reference fields to specific digital asset types or media groups. [More...](#)
- Convert legacy repositories or individual digital assets to support new custom digital asset types. [More...](#)

Developer Enhancements

- Content connector for WordPress. [More...](#)
- Content connector for Drupal. [More...](#)
- Headless Blog samples in Oracle JET, React, and JavaScript. [More...](#)
- Headless Gallery sample in React. [More...](#)
- Headless Minimal Site sample in React. [More...](#)
- Custom controller file samples. [More...](#)

Other Updates

- One-step content approval and publish workflow example. [More...](#)
- Content metric showing assets that have been reviewed but not published. [More...](#)
- The samples have been moved from *Developing with Oracle Content and Experience As a Headless CMS* to the **Samples** page in the Oracle Help Center. [More...](#)

21.1.2 (Universal Credit Model) — January 2021

General Updates

- Smart content generates real-time category suggestions so content authors can classify content items during creation. [More...](#)
- Edit referenced assets directly from the parent asset. [More...](#)
- Unpublish translated assets from the Languages panel. [More...](#)

Developer Enhancements

- OCE Toolkit supports asset types. [More...](#)
- Create Mustache components and use them in sites. [More...](#)
- Incoming webhooks support the Lingotek translation connector. [More...](#)
- Embed API supports hiding the status on a card and cross-component navigation. [More...](#)
- Assets Search API supports dynamic results count on categories. [More...](#)
- New content connector for Drupal. [More...](#)
- New content connector for WordPress. [More...](#)

Administration Enhancements

- Keep your content relevant for your audiences by monitoring analytics on the age of published assets. [More...](#)
- Oracle Content and Experience now collects anonymous product usage data to help us improve the product. [More...](#)
- You can now update the instance type (primary or non-primary) on an Oracle Content and Experience instance after creation. [More...](#)

21.1.1 (Universal Credit Model) — January 2021

Custom Digital Assets

- Create digital asset types, defining attributes to store custom metadata, and specifying the supported media types to control what files can be added to a repository. [More...](#)
- Out-of-the-box digital asset types for images, videos, Video Plus assets, and files. [More...](#)
- Search for assets based on attribute values or filter them by asset type or media group. [More...](#)

General Updates

- Lock assets to prevent unwanted updates, for example, while waiting for approval or translation, then unlock them when you're done. [More...](#)
- Download multiple digital assets in a zip file. [More...](#)

Developer Enhancements

- Enhance your translation connector with a custom user interface for translation jobs to collect additional information before submitting a job to your translation vendor. [More...](#)
- Create custom forms for editing content items. Leverage the supplied reference implementation to create a custom solution that fits the requirements of your organization. [More...](#)

Content Delivery Network Support

- Default Content Delivery Network (CDN) support. OCE sites and assets are now delivered using a CDN for improved performance and security. [More...](#)
- Updated cache headers for assets significantly improve response and download times.
- Edge security ensures content delivered by OCE isn't impacted by various types of nefarious traffic.

20.4.3 (Universal Credit Model) — December 2020

Sauce Video

- Oracle Content and Experience now includes support for [Sauce Video](#), a video content creation and sourcing solution that reduces the complexity and cost of video creation, enabling customers to easily capture, collect, and create videos.
- If you use Sauce Video to gather video content and coordinate video projects and your service administrator has integrated Sauce with Oracle Content and Experience, you can use the Sauce [web app](#) or mobile app for [iOS](#) or [Android](#) to upload video content directly to Oracle Content and Experience repositories. This

allows you to use the features of Oracle Content and Experience to edit video content, manage videos and revisions, use workflows, and make video assets available for use when building sites.

- See [Sauce Video documentation](#) for how to upload to a repository, and see the Oracle Content and Experience documentation to understand how to [manage assets](#) and [build sites](#).

General Updates

- New Languages view for assets shows the languages that don't have translations, shows the languages required by the associated channels, and enables you to publish and unpublish translations. More...
- Hide select Oracle Identity Cloud Service (IDCS) groups to prevent Oracle Content and Experience users from sharing with those groups. More...
- Choose not to send an email when sharing a folder, component, site, or theme. More...
- Adobe Creative Cloud extension supports parallel workflows. The Adobe Creative Cloud extension for Oracle Content and Experience supports multiple workflow actions, meaning if a person has more than one workflow action to complete for an asset, they can do so at the same time from within the Adobe application. More...

Developer Enhancements

- Optimize site delivery performance by server-side rendering with the new built-in OCE compilation service, enabling you to compile sites every time you publish them. If you need more customization, you can still set up your own compilation service.
- Define if a site needs to be compiled when published. More...
- Sites Compilation API allows you to control how static HTML is generated for your custom components. More...

Administration Enhancements

- Oracle Content and Experience (OCE) now supports a cross-regional disaster recovery solution. More...
- Starting in January OCE sites and assets will be delivered using a Content Delivery Network (CDN) for improved performance and security. Updated cache headers for assets will significantly improve response and download times. Edge security will ensure content delivered by OCE isn't impacted by various types of nefarious traffic.
- Default cache time for static sites that use Akamai decreased to 30 minutes. If your Oracle Content and Experience instance uses Akamai, compiled sites are now cached on a user's browser for 1800 seconds (30 minutes) by default. If your instance doesn't use Akamai, the default is still 300 seconds (5 minutes). More...
- Status filter for Documents Usage log. You can now filter the Documents Usage log by status (all, active, or deleted files). More...

20.4.2 (Universal Credit Model) — October 2020

Feature	Role	Description
Use workflow in the mobile apps	Asset users	In addition to being able to use the mobile apps to do simple asset approval, which just changes status, if your service and content administrators have configured Oracle Content and Experience to use additional workflow options, you can now approve items that are part of a workflow, which changes status automatically. See <i>Use Assets with Android</i> and <i>Use Assets with iOS</i> in <i>Collaborating on Documents with Oracle Content and Experience</i> .
Adobe Creative Cloud plug-in supports workflows	Asset users	The Adobe Creative Cloud plug-in for Oracle Content and Experience supports list view. See <i>Use the Adobe Creative Cloud Extension</i> in <i>Managing Assets with Oracle Content and Experience</i> .
Smart tags support multiple languages	Asset users	If your service administrator has enabled Smart Content, any smart tags applied to assets automatically are available in English, French, Italian, German, Spanish, and Japanese. Tags searched in those languages will return the same results, and if a person has set their language preferences to one of those languages, smart content tags will be shown in the preferred language. See <i>Search, Filter, and Sort Assets</i> in <i>Managing Assets with Oracle Content and Experience</i> .
Track site compilation status on publish	Site developers	If you are a site administrator and have set a site to compile when published, a status indicator is displayed in the site properties dialog. Once complete, the date and time of completion is listed with a link to the compilation log. See <i>Enable Automatic Compilation on Publish</i> in <i>Building Sites with Oracle Content and Experience</i> .
Chapters moved	Developers	The following chapters have been moved to <i>Building Sites with Oracle Content and Experience</i> : <ul style="list-style-type: none"> • Develop with OCE Toolkit • Use Site Redirects or URL Mapping • Improve Site Performance • Tutorial: Develop Components with Knockout
Custom logo height changed to 24 pixels high	Administrators	When you add a custom logo, the height is now 24 pixels. See <i>Apply Custom Branding and URLs</i> in <i>Administering Oracle Content and Experience</i> .

20.4.1 (Universal Credit Model) — September 2020

Feature	Role	Description
Support for iOS 14 and iPadOS 14	Mobile users	Oracle Content and Experience mobile apps support the newly released iOS 14 and iPadOS 14.
Adobe Creative Cloud extension supports workflows	Asset users	If your service administrator has enabled and integrated workflows for Oracle Content and Experience, you can access workflows for assets you are working on in the Adobe Creative Suite from the Adobe Creative Cloud Extension for Oracle Content and Experience. See Use the Adobe Creative Cloud Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Smart tags support multiple languages	Asset users	If your service administrator has enabled Smart Content, any smart tags applied to assets automatically are available in English, French, Italian, German, Spanish and Japanese. Tags searched in those languages will return the same results, and if a person has set their language preferences to one of those languages, smart content tags will be shown in the preferred language. See Search, Filter, and Sort Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Sites using an asset listed in the asset inventory panel	Asset users	The inventory panel of an opened asset now includes a tab showing what sites use the asset. See View and Manage Digital Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Workflow enhancements	Asset users	If your service administrator has enabled and integrated workflows for Oracle Content and Experience, you can see an assets workflow history, as well as take actions on more than one workflow task when multiple tasks are selected. See Use Workflows in <i>Managing Assets with Oracle Content and Experience</i> .
Custom content forms	Site developers	You can create custom content forms that can be promoted and used when creating a content type. Any content items created using this content type will make use of the content form. See Develop Custom Content Forms in <i>Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Site compilation on publish status indicator	Site developers	If you are a site administrator and have set a site to compile when published, a status indicator is displayed in the site properties dialog. Once complete, the date and time of completion is listed with a link to the compilation log. See <i>Enable Automatic Compilation on Publish</i> in <i>Building Sites with Oracle Content and Experience</i> .
Embed UI API V2	Developers	The <i>Embed the Web User Interface in Other Applications</i> chapter in <i>Integrating and Extending Oracle Content and Experience</i> has been updated in the following sections: <ul style="list-style-type: none"> • Use the Javascript API • Embed the Web Interface Using the Embed UI API V2 You can embed the Oracle Content and Experience web user interface for assets and documents in other applications, using the Embed UI API V2. The embedded web interfaces can include conversations, sites content, search results, and other Oracle Content and Experience features.
OCE Toolkit updates	Developers	The list of OCE Toolkit commands has been updated. See <i>Use the cec Command-Line Utility</i> in <i>Integrating and Extending Oracle Content and Experience</i> .
Test site compilation server endpoint URL	Developers and administrators	When you set up a site compilation server, you can test the endpoint URL. See <i>Set Up a Site Compilation Service</i> in <i>Integrating and Extending Oracle Content and Experience</i> and <i>Set a Compilation Endpoint URL</i> in <i>Administering Oracle Content and Experience</i> .
Updated file upload restriction settings	Administrators	The file upload restriction settings have been updated. See <i>Restrict File Types and Sizes</i> in <i>Administering Oracle Content and Experience</i> .
Filter analytics by content type	Administrators	Filter asset and content metrics by content type. See <i>View Assets and Content Metrics</i> in <i>Administering Oracle Content and Experience</i> .

20.3.3 (Universal Credit Model) — August 2020

Feature	Role	Description
New Redwood user interface	All users	Oracle Content and Experience has been redesigned with Redwood—Oracle’s next-generation state-of-the-art user experience design system. This new customer-first system is flexible, modern, and scalable.
Microsoft Internet Explorer no longer supported	All users	Oracle Content and Experience no longer supports Microsoft Internet Explorer.
Desktop app has been notarized	Desktop app users	The Oracle Content and Experience desktop app has been notarized, so users will no longer receive a warning that the app can't be opened because Apple can't check it for malicious software.
QuickStart workflow package for easy workflow implementation	Asset users	If you're a content administrator you can download a QuickStartApplication package through Oracle Content and Experience and import it into Oracle Integration for simple multi-step content approval workflows to use in Oracle Content and Experience. See Use Seeded Content Workflows in <i>Managing Assets with Oracle Content and Experience</i> .
New activity logging	Asset users	Oracle Content and Experience now logs additional activities in the Activity tab of asset properties, such as when tasks are assigned and workflow administration activities. See View and Manage Digital Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Site Compilation Service	Developers and administrators	You can create a Docker image for the compilation server to set up a Site Compilation Service in Oracle Content and Experience. This service gives you the option to define a compilation server to use before you publish. See Set Up a Site Compilation Service in <i>Integrating and Extending Oracle Content and Experience</i> and Set a Compilation Endpoint URL in <i>Administering Oracle Content and Experience</i> .
Create an enterprise template from a standard site	Developers	Developers can use an OCE Toolkit CLI command to create an enterprise template from a standard site. See Create an Enterprise Template from a Standard Site in <i>Integrating and Extending Oracle Content and Experience</i> .
OCE Toolkit updates	Developers	The list of OCE Toolkit commands has been updated. See Use the cec Command-Line Utility in <i>Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
Manage group settings in Oracle Content and Experience	Administrators	You can now configure Oracle Content and Experience specific group settings through the Users page of Oracle Content and Experience Administration: System. See Change Sharing and Notification Settings for Groups in <i>Administering Oracle Content and Experience</i> .
Reject files that can't be scanned	Administrators	You can reject files from upload if they can't be checked for viruses, such as files larger than 4 GB and files that can't be scanned, such as password protected PDFs. See Restrict File Types and Sizes in <i>Administering Oracle Content and Experience</i> .
Automatically handle expired sites	Administrators and site administrators	If site governance is enabled, site administrators can configure expired sites to either be taken offline or deleted automatically. Site owners and managers are notified prior to expiration in case they want to extend the expiration date or restore a deleted site. See Automatically Handle Expired Sites in <i>Administering Oracle Content and Experience</i> and Change Template Policies in <i>Building Sites with Oracle Content and Experience</i> .

20.3.2 (Universal Credit Model) — July 2020

Feature	Role	Description
Edit Microsoft Office files in Microsoft Office Online	All users	If your system administrator has enabled Microsoft Office Online integration, you can edit the file in Microsoft Office Online directly from the web client. See Edit Microsoft Office Files in <i>Collaborating on Documents with Oracle Content and Experience</i> .
Enhanced workflow capabilities through Oracle Integration	Asset users	If your service administrator has configured Oracle Content and Experience to work with Oracle Integration workflow options, assets can be submitted to robust, automatic workflows, facilitating approvals and site publishing. See Use Workflows in <i>Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
Convert standard video assets to Video Plus using the Adobe Creative Cloud extension	Asset users	Easily take advantage of Video Plus enhancements directly in Adobe Premiere Pro and Adobe After Effects by converting standard videos into Video Plus assets using the Adobe Creative Cloud extension for Oracle Content and Experience. See Use the Adobe Creative Cloud Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Support for additional data fields added to translation jobs	Repository administrators	Oracle Content and Experience supports additional data fields that may be available from a translation service, such as due dates, associated purchase orders, or other data that may be available from your translation service. See Integrate Translation Connectors in <i>Managing Assets with Oracle Content and Experience</i> .
Taxonomy and category support for recommendations	Site administrators	Taxonomies and categories can be criteria when defining rule sets for recommendations. You can include category children and select multiple categories across taxonomies. See Define Audience Rules in <i>Managing Assets with Oracle Content and Experience</i> .
Recommendation test profiles	Site administrators	You can build a collection of audience attribute values to use when testing a recommendation and save it as a test profile to facilitate testing with different attribute values. Test profiles can be used when creating a recommendation or when testing recommendations placed on a page in Site Builder. See Test Recommendations in <i>Managing Assets with Oracle Content and Experience</i> .
Compile static sites automatically when published	Site developers	If your site administrator has specified a compilation server, you can choose to compile a site when the site is published. See Enable Automatic Compilation on Publish in <i>Building Sites with Oracle Content and Experience</i> .
Headless CMS samples	Site developers	Samples have been added to GitHub and to the guide. See Samples in <i>Developing with Oracle Content and Experience As a Headless CMS</i> .

Feature	Role	Description
Embed UI API V2	Developers	You can embed the Oracle Content and Experience web user interface for assets and documents in other applications using the Embed UI API V2. The embedded web interfaces can include conversations, sites content, search results, and other Oracle Content and Experience features. See Embed the Web User Interface in Other Applications in <i>Integrating and Extending Oracle Content and Experience</i> .
Process integration	Developers	You can integrate with Oracle Integration for content workflows. See Integrate with Oracle Process Cloud Service in <i>Integrating and Extending Oracle Content and Experience</i> .
Updated OCE Toolkit commands	Developers	You can now use OCE Toolkit commands to perform the following tasks: <ul style="list-style-type: none"> • Compile sites • Add content to collections and remove content from collections • Identify improperly closed html tags • Transfer a site without content items • Download or upload content items in groups The list of commands has also been updated. See Develop with OCE Toolkit and Use the cec Command-Line Utility in <i>Integrating and Extending Oracle Content and Experience</i> .
Enforce billing limits	Administrators	You can restrict users from being able to create new objects (such as assets or files) when your selected billing limits are reached, or accessing Oracle Content and Experience and any sites created in Oracle Content and Experience when your selected outbound data transfer limit is reached. See Configure Billing Settings in <i>Administering Oracle Content and Experience</i> .

20.3.1 (Universal Credit Model) — July 2020

Feature	Role	Description
Validation when deleting content type field with existing content	Asset users	When you delete a field from a content type, if an associated content item includes information in that field, you're presented with available options depending on the status of the associated content items. See Edit Content Types in <i>Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
View asset inventory with list of asset dependencies and references	Asset users	An Inventory page has been added to the sidebar panel. It lists assets the selected content item depends on, and includes a Referenced by tab that lists content items that depend on the selected content item. See View and Manage Content Items in <i>Managing Assets with Oracle Content and Experience</i> .
Specify if a field value can be inherited when creating a content type	Asset users	When creating a content type, you have an option to inherit values from a primary language asset when adding a new language. This is useful if there are logos or text fields you want to remain consistent and not be translated. See Create and Share Content Types in <i>Managing Assets with Oracle Content and Experience</i> .
Custom locale support for assets	Asset users	You can create custom locals based on your organization's needs. Custom locale codes include the base language, any regional dialect code if applicable, and whatever other identifying customization is required by your organization. See Custom Locales for Translation in <i>Managing Assets with Oracle Content and Experience</i> .
Improved interface to work with language assets	Asset users	When working with content items having multiple languages, a slide-out panel now provides easier viewing, workflow, and other features, including viewing properties and activity specific to each language asset of a content item. See Work With Language Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Custom locale support for sites, including friendly alias URL redirects	Site developers	Custom locales are supported when creating sites, and name/value pairs can be defined to create a language code alias to reduce the complexity of a custom locale when used in a site URL. See Custom Locales for Translation in <i>Building Sites with Oracle Content and Experience</i> .
Site administrators can see all deleted sites	Site administrators	If you are a site administrator, you can see and restore all deleted sites in Trash, not just those owned by you. See Manage Sites and Site Settings in <i>Building Sites with Oracle Content and Experience</i> .
Site creator can add custom settings to content item and content list components using supported content layout	Site developers	If specified by a developer when creating a content layout, content item and content list components using that layout will enable the ability for a site creator to add custom settings when using those components in a site. See Content Item Component in <i>Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Use categories to refine content list queries when using content list component	Site developers	Site creators can now select categories to filter the list of content items to show only those items in a particular category or categories when using a Content List component. See Content List in <i>Building Sites with Oracle Content and Experience</i> .
Updated headless CMS samples	Site developers	Links to samples in GitHub and in the "Samples" chapter (formerly "Tutorials" chapter) have been updated. See Samples in <i>Developing with Oracle Content and Experience As a Headless CMS</i> .
Generate a provider token for a specific version of an asset	Developers	You can now use the Provider Tokens resource of the REST API for Content Management to generate a provider token for a specific version of an asset. See Oracle Content and Experience REST APIs for Headless Development in <i>Developing with Oracle Content and Experience As a Headless CMS</i> and REST API for Content Management .
New commands in OCE Toolkit	Developers	The list of OCE Toolkit commands has been updated. See Use the cec Command-Line Utility in <i>Integrating and Extending Oracle Content and Experience</i> .
New options for cec upload-taxonomy command	Developers	The T2P and New options have been added to the cec upload-taxonomy command. T2P checks if an asset or taxonomy with the same ID exists on the target Oracle Content and Experience instance. The New creates a new asset or taxonomy on the target Oracle Content and Experience instance. See Import and Export Taxonomies in <i>Integrating and Extending Oracle Content and Experience</i> .
Use an existing license for Oracle Content and Experience	Administrators	You can now use your existing Oracle WebCenter Middleware license (BYOL) to create Oracle Content and Experience instances. See Create Your Oracle Content and Experience Service Instance in <i>Administering Oracle Content and Experience</i> .
Set a maximum video file size	Administrators	You can set a maximum file size for videos. See Set Maximum Video File Size in <i>Administering Oracle Content and Experience</i> .

20.2.3 (Universal Credit Model) — June 2020

Feature	Role	Description
Create Microsoft Office files in the web client	All users	You can create new Microsoft Office files directly from the web client. See <i>Create and Edit Microsoft Office Files in the Web Client</i> in <i>Collaborating on Documents with Oracle Content and Experience</i> .
Preview items when browsing or editing assets	Asset users	A new preview feature opens assets and content items in a drawer without leaving the page you are viewing. This makes it easier to see and replace referenced assets when creating or editing content items. See <i>View and Manage Content Items</i> in <i>Managing Assets with Oracle Content and Experience</i> .
Compare content item versions for differences	Asset users	You can open content items and easily compare differences between versions. See <i>Compare Content Item Versions</i> in <i>Managing Assets with Oracle Content and Experience</i> .
Convert standard video assets to Video Plus	Asset users	With Video Plus enabled, you can convert standard video assets to Video Plus assets, either from the Assets page or when viewing a standard video. See <i>Convert a Standard Video to Video Plus</i> in <i>Managing Assets with Oracle Content and Experience</i> .
Adobe Creative Cloud extension supports Video Plus assets and find assets categorized similarly	Asset users	You can view Video Plus asset thumbnails and film strips in the Adobe CC extension, as well as view the video and drag the asset into Premier Pro to edit. The extension also supports the Find categorized similarly... feature to find other assets sharing the same categories. See <i>Use the Adobe Creative Cloud Extension</i> in <i>Managing Assets with Oracle Content and Experience</i> .
Template import/export and copy/publish sites support recommendations	Site administrators	If you have a site with recommendations, the recommendations are now included when importing or exporting a site template or when copying or publishing a site.
Create your first website	Site developers	A new tutorial walks you through setting up and publishing a website using an out-of-the-box template. You'll see how easy it is to build your first website without the need for any additional coding. See <i>Create Your First Website</i> in <i>Building Sites with Oracle Content and Experience</i> .
New blank default template	Site developers	There is a new default template with minimal structure to facilitate site development when you have your own design. See <i>Understand Templates</i> in <i>Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Interface support for custom locales	Site developers	If your system uses custom locales when translating, Oracle Content and Experience shows the complete code for the custom locale in the interface. See <i>Manage Site Translation Jobs in Building Sites with Oracle Content and Experience</i> .
Recommendation component built in	Site developers	There is a new content item component for recommendations to make it easier to place defined recommendations on an enterprise site page. See <i>Recommendation in Building Sites with Oracle Content and Experience</i> .
Create localization policy or asset repository when creating a site	Repository administrators and site developers	When creating a site, repository administrators can create a new repository or localization policy without leaving the context of creating a site. See <i>Create Sites in Building Sites with Oracle Content and Experience</i> .
Paragraph component rich-text editor allows for insertion of content items, standard videos, and Video Plus assets	Site developers	The rich-text editor used in the Paragraph component supports inserting video assets and content items into a paragraph on a site page, allowing for more robust and complex layout options. See <i>Paragraphs in Building Sites with Oracle Content and Experience</i> .
Component properties display custom editor data field support	Site developers	Once a custom field editor has been created and promoted, easily see what data types the editor supports on the component properties page. See <i>View Supported Data Types in a Custom Field Editor in Building Sites with Oracle Content and Experience</i> .
Headless CMS tutorials	Site developers	Tutorials have been added and updated in <i>Developing with Oracle Content and Experience As a Headless CMS</i> . See <i>Build a Blog in React with Headless Oracle Content and Experience</i> , <i>Build a Blog in JavaScript with Headless Oracle Content and Experience</i> , and <i>Build an Image Gallery with Headless Oracle Content and Experience</i> .
Custom headers for proxy service	Developers	You can specify custom headers on a proxy service as well as what should be sent with each request to a backend service. See <i>Configure Custom Headers on a Proxy Service in Integrating and Extending Oracle Content and Experience</i> .
Custom locales in Lingotek translation connector	Developers	You can provide custom locales in Lingotek Translation Connector. See <i>Add Custom Locales to a Lingotek Translation Connector in Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
New Azure configuration for Microsoft OneDrive connector	Developers	The description of the Microsoft OneDrive connector has been updated with the new Azure configuration. See Configure a Microsoft OneDrive Content Connector in <i>Integrating and Extending Oracle Content and Experience</i> .
Updated OCE Toolkit installation instructions	Developers	The OCE Toolkit installation instructions have been updated. See Set Up OCE Toolkit on Your Local Machine in <i>Integrating and Extending Oracle Content and Experience</i> .
Import and export recommendations with OCE Toolkit	Developers	As a developer, you can import and export recommendations with OCE Toolkit commands. See Import and Export Recommendations in <i>Integrating and Extending Oracle Content and Experience</i> .
Updated list of OCE Toolkit commands	Developers	The list of OCE Toolkit commands has been updated. See Use the cec Command-Line Utility in <i>Integrating and Extending Oracle Content and Experience</i> .
Create custom language code with REST API for Content Management	Developers	You can now use the Language Code resource of the REST API for Content Management to create a custom language code or to read or list all valid language codes. See REST API for Content Management in <i>Integrating and Extending Oracle Content and Experience</i> .
View videos included in repositories metrics	Administrators	When viewing analytics for repositories, if you select a specific repository, you can click the video metric to go to the Assets page and see the videos in the selected repository. See Repositories Metrics in <i>Administering Oracle Content and Experience</i> .

20.2.2 (Universal Credit Model) — May 2020

Feature	Role	Description
Video editing with Video Plus	Asset users	With Video Plus enabled, you can edit Video Plus assets directly in Oracle Content and Experience, trimming videos and setting clips to fade in or out. See Edit a Video in <i>Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
Adobe Creative Cloud extension improvements	Asset users	When using the Adobe Creative Cloud extension, asset properties can be updated directly in the extension. See Use the Adobe Creative Cloud Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Smart categorization	Asset users	With Smart Content enabled and categories defined, Oracle Content and Experience can review content items in a repository and suggest categories to which large groups of content items can be quickly and easily assigned. See Assign Asset Categories in <i>Managing Assets with Oracle Content and Experience</i> .
Filter to quickly find recategorized assets	Asset users	An additional filter is available to see assets that have been recategorized. See Search, Filter, and Sort Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Group audience rules when defining recommendations	Site administrators	Create complex expressions to return detailed results when defining recommendations, and use AND and ALL group operators to determine how multiple rules and sub-groups interact. See Define Audience Rules in <i>Managing Assets with Oracle Content and Experience</i> .
Create or upload content while building or editing a site	Site developers	Create a content item or upload media directly while building or editing a site. See Content Item Component in <i>Building Sites with Oracle Content and Experience</i> .
Add custom site properties as name/value pairs	Site developers	Custom properties can be defined and stored with a site to parametrize or customize the site without having to change the underlying scripts and component code. See Add Custom Site Properties in <i>Building Sites with Oracle Content and Experience</i> .
SDKs available for download	Site developers	The SDKs are now available on the Oracle Content and Experience downloads page. See Oracle Content and Experience SDKs in <i>Integrating and Extending Oracle Content and Experience</i> , and Content SDK and Mobile SDKs in <i>Developing with Oracle Content and Experience As a Headless CMS</i> .
Headless CMS concepts and quick start information	Site developers	Concepts and quick start information have been added. See Key Concepts and Quick Start in <i>Developing with Oracle Content and Experience As a Headless CMS</i> .
Webhooks event logs	Developers	You can access a log of events posted to a webhook. See Monitor Webhook Events in <i>Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
Content connector for Microsoft SharePoint	Developers	A new content connector is available for Microsoft SharePoint. See Configure a Microsoft SharePoint Online Content Connector in <i>Integrating and Extending Oracle Content and Experience</i> .
No self-signed certificates for content connectors	Developers	The content connectors no longer accept self-signed certificates. See Use Content Connectors in <i>Integrating and Extending Oracle Content and Experience</i> .
Updated OAuth information for REST APIs	Developers	Information about REST API OAuth support has been updated. See Integrate with Oracle Content and Experience Using OAuth in <i>Integrating and Extending Oracle Content and Experience</i> .
Search date fields with REST API	Developers	You can now use a search API from the REST API for Documents to search metadata fields of a Date type. This enables you to search for exact date matches or for a range of dates (that is, files where the date falls between a specific start date and a specific end date). See Search with the Querytext Parameter in <i>Integrating and Extending Oracle Content and Experience</i> .
Updated OCE Toolkit commands	Developers	The list of OCE Toolkit commands has been updated. See Use the cec Command-Line Utility in <i>Integrating and Extending Oracle Content and Experience</i> .
Sites Rendering API get custom site property	Developers	A new function called 'getCustomSiteProperty' was added to the Sites Rendering API , which is a window-global object present on all Oracle Content and Experience web pages that's primarily responsible for rendering the slots and components of the page and provides an interface for JavaScript code present on theme layouts. See SCSCompileAPI in <i>Integrating and Extending Oracle Content and Experience</i> .
Billing limit notification update	Administrators	If you configured Oracle Content and Experience to send you notifications when your instance gets close to your specified billing limits, you'll now receive them when you reach 90% of the billing limit. See Configure Billing Settings in <i>Administering Oracle Content and Experience</i> .
New video metrics	Administrators	There are new video metrics shown in the Analytics pages. See Repositories Metrics in <i>Administering Oracle Content and Experience</i> .

Feature	Role	Description
Service limits, quotas, policies, and events are documented	Administrators	The service limits, quotas, policies, and events for Oracle Content and Experience are now documented. See Overview of Administration in <i>Administering Oracle Content and Experience</i> .

20.2.1 (Universal Credit Model) — April 2020

Feature	Role	Description
Expanded key concepts content	All users	More guides now have introductory content to explain key concepts: <ul style="list-style-type: none"> • <i>Collaborating on Documents with Oracle Content and Experience</i> • <i>Managing Assets with Oracle Content and Experience</i> • <i>Developing with Oracle Content and Experience As a Headless CMS</i>
Improved video performance with Video Plus	Assets users	When enabled, Video Plus provides advanced video use and management features, including adaptive bitrate streaming, automatic format conversion, adjustable video quality, variable playback speed, animated preview and more. View the guided tour , and see Video Plus in <i>Managing Assets with Oracle Content and Experience</i> .
Adobe Creative Cloud extension improvements	Asset users	When using the Adobe Creative Cloud extension, asset properties can be viewed directly in the extension. See Use the Adobe Creative Cloud Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Export and import taxonomies	Repository administrators	You can now export existing taxonomies and import them to use as drafts for new ones. See Create and Manage Taxonomies in <i>Managing Assets with Oracle Content and Experience</i> .
Specify mobile User-Agents to support compiled adaptive layouts	Site developers	When compiling a site, mobile pages are created to support adaptive layouts. You can specify the user-agents that will call the mobile pages. See Specify Mobile User-Agents to Support Compiled Adaptive Layouts in <i>Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Create custom content field editor	Site developers	You can create a content field editor that can be promoted and used when creating a content type to control the appearance of the data field. See Create Local Components, Layouts, or Content Field Editors in <i>Building Sites with Oracle Content and Experience</i> .
Support multi-value audience attributes	Site developers	When defining audience rules in a recommendation, you can enter a list of values if the rule uses an operator compatible with list values, such as Equal to, Not equal to, or Best match. See Define Audience Rules in <i>Managing Assets with Oracle Content and Experience</i> .
Set custom cache control headers for compiled sites	Administrators and site developers	If your company uses compiled sites, you can set custom cache control headers that will be used by default for any compiled sites created on your instance. See Set Custom Cache Control Headers for Static Sites in <i>Administering Oracle Content and Experience</i> . As a site developer, you can also override the default time that compiled sites are cached in a user's browser for specific sites in the site properties. See Override Default Cache Control Headers for Compiled Sites in <i>Building Sites with Oracle Content and Experience</i> .
REST API endpoint change	Developers	All Oracle Content and Experience REST API endpoints should always have an instance name, "osn", before /social/api/v1. See REST API Features for Conversations and REST API for Users and Groups in <i>Integrating and Extending Oracle Content and Experience</i> .
Register multiple Lingotek translation connectors	Developers	You can now register more than one Lingotek Language Service Provider (LSP) connector. See Register Multiple Lingotek Connectors in <i>Integrating and Extending Oracle Content and Experience</i> .
Custom field editor support in OCE Toolkit	Developers	With OCE Toolkit, you can create and manage custom field editors for Oracle Content and Experience. See Develop Custom Field Editors in <i>Integrating and Extending Oracle Content and Experience</i> .
Headers in webhooks	Developers	A header option is available for configuring Oracle Content and Experience webhook receiver. See Configure Webhooks in <i>Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
Compile a site for mobile devices	Developers	You can deploy a site with Oracle Content and Experience mobile features to Oracle Content and Experience runtime. See <i>Compile a Site for Mobile Devices in Integrating and Extending Oracle Content and Experience</i> .
Test custom components, templates, and content layouts locally	Developers	You can use content from a template or server to test a component locally. See <i>Test Custom Components, Templates, and Content Layouts in a Local Test Harness in Integrating and Extending Oracle Content and Experience</i> .
Add content items to a channel using OCE Toolkit	Developers	You can use OCE Toolkit to add content items to a channel. See <i>Add Content Items to a Channel in Integrating and Extending Oracle Content and Experience</i> .
Import and export taxonomies using OCE Toolkit	Developers	You can use OCE Toolkit commands to import taxonomies from an Oracle Content and Experience server to your local machine or to export taxonomies from your local machine to the server. See <i>Import and Export Taxonomies in Integrating and Extending Oracle Content and Experience</i> .
Updated OCE Toolkit commands	Developers	The list of OCE Toolkit commands has been updated. See <i>Use the cec Command-Line Utility in Integrating and Extending Oracle Content and Experience</i> .
Support for private instances	Administrators	If you want to create a private instance that can be viewed only within your intranet, you can do so using Oracle Cloud Infrastructure FastConnect. FastConnect provides a dedicated private connection with higher bandwidth and a more reliable and consistent networking experience when compared to internet-based connections. See <i>Create a Private Instance Using Oracle Cloud Infrastructure FastConnect in Administering Oracle Content and Experience</i> .
Controlled upgrade	Administrators	Control whether your instance is upgraded immediately (as soon as a new release of Oracle Content and Experience is available) or on a delayed schedule (one release behind the latest release). See <i>Create Your Oracle Content and Experience Service Instance in Administering Oracle Content and Experience</i> .

Feature	Role	Description
Current counts for billed items	Administrators	In addition to being able to specify the limits at which you want to be notified for billing metrics, you can now see the current counts for those billed items. See <i>Configure Billing Settings in Administering Oracle Content and Experience</i> .

20.1.3 (Universal Credit Model) — March 2020

Feature	Role	Description
Oracle Policy Automation has been rebranded	All users	Oracle Policy Automation has been rebranded to Oracle Intelligent Advisor. Note that some interfaces may still refer to Oracle Policy Automation.
Guided tours updated	All users	The guided tours have been updated with a new look.
Set content type fields to do not translate	Asset users	When creating a content type, you can specify whether or not to translate the data entered into text, large text, or embedded content fields. This is useful if, for example, a product description should be translated but the product name should not. You can also provide a comment or note that provides additional instructions for the translator. See <i>Create and Share Content Types in Managing Assets with Oracle Content and Experience</i> .
Adobe Creative Cloud extension update	Asset users	You can search for specific categories using the search field on the Categories tab. See <i>Use the Adobe Creative Cloud Extension in Managing Assets with Oracle Content and Experience</i> .
Search For categories	Asset users	You can search for specific categories using the search field on the Categories tab. See <i>Search, Filter, and Sort Assets in Managing Assets with Oracle Content and Experience</i> .
Find assets of similar categories	Asset users	When categories are enabled and assigned to assets, Oracle Content and Experience can find assets that are assigned to similar categories. See <i>Search, Filter, and Sort Assets in Managing Assets with Oracle Content and Experience</i> .
Drag-and-drop rule definitions for recommendations	Site developers	When creating a recommendation, you can now drag-and-drop content fields when defining audience rules. See <i>Define Audience Rules in Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
Custom functions for date fields used in recommendations	Site developers	Custom functions now let you automatically define dates and date ranges, and in some cases offset the time of the attribute. See <i>Define Audience Rules in Managing Assets with Oracle Content and Experience</i> .
Specify date to use when testing a recommendation	Site developers	If a date function has been used when creating a recommendation, you can specify a specific date to use when testing the recommendation. See <i>Test Recommendations in Managing Assets with Oracle Content and Experience</i> .
Hide alignment, width or spacing options in settings on component for a specific theme	Site developers	You can now edit the component.json file to hide Width or Spacing options in the settings of a component. This is useful in providing site creators common tools to create sites with a consistent look and feel. See <i>Hide Component Alignment, Width or Spacing Options for a Theme in Building Sites with Oracle Content and Experience</i> .
REST API access through OAuth	Developers	Developer access to Oracle Content and Experience REST APIs is protected by CG/WTSS using OAuth clients. See <i>Integrate with Oracle Content and Experience Using OAuth in Integrating and Extending Oracle Content and Experience</i> .
Filter "Do not translate" fields	Developers	Filter out Do not translate fields from a translation. See <i>Create a New Site or Asset Translation Job in the Oracle Content and Experience Server in Integrating and Extending Oracle Content and Experience</i> .
Lingotek trial connector	Developers	Sign up for a Lingotek Trial Connector. See <i>Request a Lingotek Trial Connector for Content Translation in Integrating and Extending Oracle Content and Experience</i> .
Use existing Lingotek account	Developers	Configure an instance of a translation connector with an existing Lingotek account. See <i>Enable a Lingotek LSP Translation Connector in Integrating and Extending Oracle Content and Experience</i> .
OCE Toolkit compile mobile sites	Developers	Use the sites compilation service to compile sites that use OCE features for mobile delivery. See <i>Compile a Site for Mobile Devices in Integrating and Extending Oracle Content and Experience</i> .
OCE Toolkit cec command updates	Developers	The list of OCE Toolkit commands has been updated. See <i>Use the cec Command-Line Utility in Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
REST API for Content Management updates	Developers	<p>Two new categories of REST APIs are available in the REST API for Content Management:</p> <ul style="list-style-type: none"> • Items by Slug: The resources to manage items by a slug that provides details of item variations, collections, publish information, relationships, tags, taxonomies, variations, and versions. • Recommendations: The resources to manage recommendations. <p>See REST API for Content Management in <i>Integrating and Extending Oracle Content and Experience</i>.</p>
REST API for Content Delivery	Developers	<p>Two new categories of REST APIs are available in the REST API for Content Delivery:</p> <ul style="list-style-type: none"> • Items by Slug: The resources to manage items by a slug that provides details on the metadata catalog, preview, taxonomies, publish information, and item variations. • Recommendations: The resources used to access published recommendation results. <p>See REST API for Content Delivery in <i>Integrating and Extending Oracle Content and Experience</i>.</p>
Analytics user interface updates	Administrators	<p>The Analytics user interface has been reorganized to improve usability. See Analyze Service Usage in <i>Administering Oracle Content and Experience</i>.</p>

20.1.2 (Universal Credit Model) — February 2020

Feature	Role	Description
Custom tile view of assets based on content type	Asset users	<p>Now when creating content types, you can select from several options how content items in that content type are displayed on the Assets page. See Create and Share Content Types in <i>Managing Assets with Oracle Content and Experience</i>.</p>
Assign multiple categories to multiple assets	Asset users	<p>You can now add more than one category to multiple selected assets within each taxonomy. See Assign Asset Categories in <i>Managing Assets with Oracle Content and Experience</i>.</p>

Feature	Role	Description
Copy URL of image renditions	Asset users	You can now copy the URL of published assets or their renditions. See <i>Manage Image Renditions in Managing Assets with Oracle Content and Experience</i> .
Sort assets by unpublished status	Asset users	You can now filter assets on the Assets page to show ones that are not published. See <i>Search, Filter, and Sort Assets in Managing Assets with Oracle Content and Experience</i> .
Adobe Creative Cloud extension updates	Asset users	Adobe Animate is now supported in the Adobe Creative Cloud extension. You can also now assign categories to assets using the extension. See <i>Use the Adobe Creative Cloud Extension in Managing Assets with Oracle Content and Experience</i> .
Email notifications for site approval requests and status when creating sites with governance	Site developers	You are now notified by email if you have any site approval requests pending or if your request has been approved or rejected. See <i>Create Sites with Site Governance in Building Sites with Oracle Content and Experience</i> .
Responsive table design example CSS	Site developers	Oracle Content and Experience provides an example CSS of a responsive table within a paragraph component that enables the stacking of row data when displayed on mobile devices. See <i>Responsive Table Design in Building Sites with Oracle Content and Experience</i> .
Hide seeded components and section layouts	Site developers	You can now edit the component.json file to hide components and section layouts in themes. This is useful in providing site creators common tools to create sites with a consistent look and feel. See <i>Hide Components and Section Layouts for a Theme in Building Sites with Oracle Content and Experience</i> .
OCE Toolkit T2P site transfer or update	Site developers	You can transfer or update a site from server A to server B. See <i>Transfer or Update a Site from One Server to Another in Integrating and Extending Oracle Content and Experience</i> .
OCE Toolkit T2P create site with same content GUIDs	Site developers	You can keep the same content GUIDs when you create a site from a template. See <i>Create a Site from a Template and Keep the Same GUIDs for Content in Integrating and Extending Oracle Content and Experience</i> .
OCE Toolkit cec commands	Developers	The list of OCE Toolkit commands has been updated. See <i>Use the cec Command-Line Utility in Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
Sites Rendering API	Developers	The Sites Rendering API renders the slots and components of a site page and provides an interface for JavaScript code present on theme layouts. See Oracle Content and Experience REST APIs in <i>Integrating and Extending Oracle Content and Experience</i> .
Rest API for Activity Log	Developers	You can search activities in the Oracle Content and Experience activity log. See REST API for Activity Log in <i>Integrating and Extending Oracle Content and Experience</i> .
Support non-primary instances	Administrators	You can now specify whether the instance is a primary instance (for example, your production instance) or a non-primary instance (for example, for development, testing, or disaster recovery). See Create Your Oracle Content and Experience Service Instance in <i>Administering Oracle Content and Experience</i> .
Enable custom sign-in	Administrators	Oracle Content and Experience provides a custom sign-in feature that enables you to use a site page as a custom sign-in page. See Enable Custom Sign-In in <i>Administering Oracle Content and Experience</i> .
New User Activities report	Administrators	View information about user activities. See View Reports and Metrics in <i>Administering Oracle Content and Experience</i> .

20.1.1 (Universal Credit Model) — January 2020

Feature	Role	Description
Adobe Creative Cloud plug-in updates	Asset users	You can now switch between current and previous asset versions and view all associated renditions. Previous versions can be made current directly from the Adobe CC Extension for editing. See Use the Adobe Creative Cloud Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Recommendations	Asset users	You now have the option to create content items that present recommendations that provide personalized experiences for website visitors by showing assets based on location or areas of interest. See Use Recommendations for Personalization in <i>Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
Prerender Service for Search Engine Optimization	Site developers	You can enable sites built with Oracle Content and Experience to prerender static HTML pages to respond to search crawler requests. See Enable Prerender Service for Search Engine Optimization in <i>Building Sites with Oracle Content and Experience</i> .
Webhooks	Developers	Developers can receive push notifications about commit, publish, or similar lifecycle events for sites that they created in Oracle Content and Experience. This is required for automating test-to-production (T2P) propagation of sites, starting the site review process, or capturing the site audit trail externally. See Use Webhooks in <i>Integrating and Extending Oracle Content and Experience</i> .
Lingotek language service provider (LSP)	Developers	You can authorize Oracle on your Lingotek account for translations. See Enable a Lingotek LSP Translation Connector in <i>Integrating and Extending Oracle Content and Experience</i> .
Responsys	Integration developers	Integration with Responsys lets you insert published assets from an Oracle Content and Experience asset repository into Responsys Email and Mobile campaigns. See Integrate with Responsys in <i>Integrating and Extending Oracle Content and Experience</i> .
Eloqua	Integration developers	Integration with Eloqua lets you insert published assets from an Oracle Content and Experience asset repository into Eloqua responsive emails and landing pages. See Integrate with Eloqua in <i>Integrating and Extending Oracle Content and Experience</i> .
REST API for Webhooks Management	Developers	A new REST API is available for managing webhooks in Oracle Content and Experience. See Overview of the REST API for Webhooks Management in <i>Integrating and Extending Oracle Content and Experience</i> .

19.4.3 (Universal Credit Model) — December 2019

Feature	Role	Description
User assistance improvements	All users	<ul style="list-style-type: none"> The user assistance (UA) content has been completely reorganized to cover six main areas: document collaboration, site building, asset management, headless CMS, system administration, and integration and extensibility. There are clear, “one-stop-shop” entry points to the UA content for each of these areas. See the Oracle Content and Experience Books page in the Oracle Help Center. The Oracle Content and Experience pages in the Oracle Help Center have been overhauled to reflect the six main areas above. New content has been created to cover developing sites and experiences with Oracle Content and Experience as a headless content management system (CMS), including tutorials and samples. New solutions on creating marketing and intranet sites using Oracle Content and Experience have been added to the solution portal, with more solutions to come.
Web user interface improvements	All users	Items in the navigation menu on the left have been renamed for better clarity and reorganized to group related actions together.
Microsoft Office 365 support	All users	Launch Microsoft Office online to edit your Word, PowerPoint, and Excel files. All your edits are automatically saved back to Oracle Content and Experience. Multiple users can open files to work together. See <i>Work with Microsoft Office in Collaborating on Documents with Oracle Content and Experience</i> .
Support for Oracle Identity Cloud Service (IDCS) groups	All users	Manage membership of your assets, sites, and folders with IDCS groups. When you add members to an item, you can now select IDCS groups.
Find similar	Asset users	When searching for images, you now have the option select an image and then search for other images that are visually similar. See <i>Search, Filter, and Sort Assets in Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
Track asset versions	Asset users	View a list of asset versions. Rollback changes by making a previous version the current version. See View and Manage Digital Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Asset activity	Asset users	View a list of activities for an asset such as review status changes, revision history, and other activities. See View and Manage Digital Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Adobe Creative Cloud extension improvements	Asset users	You can now search for visually similar images and filter results by categories when using the Adobe Creative Cloud extension. See Use the Adobe Creative Cloud Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Image component additions	Site developers	When using the image component in a site, you can add a caption to the image and enable a file preview. See Images in <i>Building Sites with Oracle Content and Experience</i> .
Site template life expectancy policy	Site developers	When creating a site template when Governance is enabled, you can specify when a site using the template expires. See Change Template Policies in <i>Building Sites with Oracle Content and Experience</i> .
Import template into a selected repository	Site developers	You can now select a repository and import a template package directly into it. See Export and Import Templates in <i>Building Sites with Oracle Content and Experience</i> .
Compiled sites	Site developers	Compilation of a site in Oracle Content and Experience can improve the runtime performance and behavior of site pages. Compilation achieves this by creating a static HTML file for each page in the site that will behave exactly as the original page. See Compile a Site to Improve Runtime Performance for Site Pages in <i>Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
Translation connectors for Language Service Providers (LSPs)	Administrators, asset users, and site developers	Develop translation connectors for Language Service Providers to translate sites and assets, through OCE Toolkit or the Administration web interface. Use the translation connector SDK and Lingotek translation connector. See Develop Translation Connectors for Language Service Providers in <i>Integrating and Extending Oracle Content and Experience</i> , Integrate Translation Connectors and Localize a Batch of Content Items in <i>Managing Assets with Oracle Content and Experience</i> , and Translate a Site in <i>Building Sites with Oracle Content and Experience</i> .
Configure new user agents	Administrators	You can configure user agents that aren't defined out-of-the-box. See Configure User Agents in <i>Administering Oracle Content and Experience</i> .
Prerender site pages	Administrators	You can prerender pages so they're read correctly by web crawlers or other bots. See Enable Prerender in <i>Administering Oracle Content and Experience</i> .
Deployment updates	Administrators	Create an instance in a secondary Oracle Identity Cloud Service (IDCS) domain to accommodate different identity and security requirements (for example, one environment for development and one for production). See Create an Instance in a Secondary Oracle Identity Cloud Service (IDCS) Domain in <i>Administering Oracle Content and Experience</i> . Create an instance in another region, so that your users can use services available in other data centers. See Create an Instance in Another Region in <i>Administering Oracle Content and Experience</i> .
Migrate from a non-metered subscription to Gen 2 Oracle Cloud Infrastructure (OCI)	Administrators	If you have Oracle Content and Experience instances with a non-metered subscription, Oracle recommends that you migrate those instances to the new <i>native</i> OCI environment—Gen 2 OCI (that is, using Infrastructure Console to manage service instances). This will ensure that you'll enjoy the benefits and advances of Oracle's cloud platform in the future. See Migrate Oracle Content and Experience with a Non-Metered Subscription to Gen 2 Oracle Cloud Infrastructure (OCI) in <i>Administering Oracle Content and Experience</i> .

Feature	Role	Description
Webhooks	Administrators	Use webhook endpoints for push notifications of content lifecycle and content publishing events. See Use Webhooks in <i>Integrating and Extending Oracle Content and Experience</i> .
Eloqua integration	Administrators	The information about the Eloqua integration Oracle Content and Experience has been updated. See Integrate with Eloqua in <i>Integrating and Extending Oracle Content and Experience</i> .
Headless Content Management System	Developers	Use Oracle Content and Experience as a "headless" back-end content management system (CMS). A central content hub built from the ground up, it makes content accessible through REST APIs for publication in any context or display on any device. All content management and content delivery operations can be accomplished programmatically, through management and delivery REST APIs. See Oracle Content and Experience As a CMS in <i>Developing with Oracle Content and Experience As a Headless CMS</i> .
GitHub - OCE Toolkit enhancements	Developers	OCE toolkit commands have been added or updated for the following tasks: <ul style="list-style-type: none"> • Compile template • Deploy compiled site • Compile components into a compiled site • Extended failover for asset sync • Site compilation • Import old template • Create local template from a site • Upload static site • Download static site • Refresh prerender cache for a site See Use the cec Command-Line Utility in <i>Integrating and Extending Oracle Content and Experience</i> .

19.4.1 (Universal Credit Model) — October 2019

Feature	Role	Description
Use page anchors in site page URLs	Site developers	Page anchors can now be used in site pages. You must download and install the Oracle Content and Experience Toolkit. See Site Page link type in <i>Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Assets sidebar optimization	Asset users	Info on asset properties, collections, channels, and categories has been consolidated in the right properties pane of the Assets page. See Quick Overview of the Assets Page in <i>Managing Assets with Oracle Content and Experience</i> .
JSON data field with schema	Asset users	The embedded content data field now supports JSON schema when used in a content item. That means you can use JSON schema forms and preview the form when defining the content item. See Embedded Content Data Field in <i>Managing Assets with Oracle Content and Experience</i> .
Taxonomy recursive search	Asset users	When searching a taxonomy, the default behavior is now to search the selected node and all child nodes. You can still search only the selected node by deselecting Include All Children . See Search, Filter, and Sort Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Bulk copy assets targeted to a channel	Repository administrators	You can now target a specific channel when copying assets from one repository to another. See Copy Assets from One Repository Collection to Another in <i>Managing Assets with Oracle Content and Experience</i> .
Adobe CC extension additions	Asset users	You can now control the sort order of repository items in the Adobe CC extension, as well as add or remove accounts directly from the extension. See Customizing the Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Webhooks for asset activity	Administrators and developers	Create webhooks to automatically post notifications based on asset events. See Use Webhooks in <i>Integrating and Extending Oracle Content and Experience</i> .
Asset activity report	Asset users	View a report of all asset activity. See View Reports and Metrics in <i>Administering Oracle Content and Experience</i> .
Developers can access applications settings	Developers	Developers (in addition to Administrators) can now access the Applications page of the Integrations section in the Administration area. See Manage Custom Applications in <i>Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
REST API for Sites Management	Developers	The REST API for Sites Management now has endpoints for components and themes. Also, additional endpoints were added for sites and templates, so you can delete and share them. Sites can now have expiration dates and expiration-date policies set on them when site governance is enabled. See Overview of the REST API for Sites Management in <i>Integrating and Extending Oracle Content and Experience</i> .
OAuth Authentication	Developers	For a Content Management or Sites Management REST API, authentication is performed to establish the identity of callers to the REST API. See Authentication for Oracle Content and Experience REST APIs in <i>Integrating and Extending Oracle Content and Experience</i> .
Oracle Content and Experience Toolkit Commands	Developers	The cec Command-Line utility has been updated with new commands and options to delete files and folders, list assets, generate an asset usage report, set an OAuth token for a registered server, download content, and, for a pod_ec server, specify the IDCS URL, client ID, client secret, and scope for headless commands. See Use the cec Command-Line Utility in <i>Integrating and Extending Oracle Content and Experience</i> .

19.3.3 (Universal Credit Model) — September 2019

Feature	Role	Description
Desktop app supports Apple File System (APFS)	All users	The desktop app now supports Apple File System (APFS) on a Macintosh in addition to the previously supported HFS+. See Desktop App Overview in <i>Collaborating on Documents with Oracle Content and Experience</i> .

Feature	Role	Description
Smart content	All users	<i>Smart search</i> analyzes images and returns relevant images without the need for manual tagging. This improves the discoverability of images without having to painstakingly tag images. <i>Smart authoring</i> recommends the right images during the authoring process. Users don't need to tag or search for images; images will be recommended based on the intent expressed in the current article. See Understand Smart Content in <i>Managing Assets with Oracle Content and Experience</i> .
Allow multiple values for large text fields	Asset users	You can now allow multiple values for large text fields in a content type. See Create and Share Content Types and Data Fields in <i>Managing Assets with Oracle Content and Experience</i> .
Group related fields in a content type	Asset users	You can group related fields to make it easier for contributors to work with content item forms. See Create and Share Content Types in <i>Managing Assets with Oracle Content and Experience</i> .
Bulk copy assets in a collection	Repository administrators	If you manage more than one repository, you can bulk copy assets from a collection in one repository you manage to another. See Create and Manage Asset Repositories in <i>Managing Assets with Oracle Content and Experience</i> .
Full-text search for digital assets	Asset users	Users can search the full text of digital assets such as PDFs, Microsoft Word documents, and other text documents. See Search, Filter, and Sort Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Content item preview on external site by slug	Asset users	You can now add a slug placeholder for content item preview on an external site. See Create and Share Content Types in <i>Managing Assets with Oracle Content and Experience</i> .
Specific template approvers	Site administrators	Select specific people who can approve site requests created from a template. See Change Template Policies in <i>Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Process Start Form component improvements	Site developers	<p>There have been several improvements to the Process Start Form component:</p> <ul style="list-style-type: none"> You can now use a process start form in a public site by selecting a proxy server. Use the default version of a process instead of selecting a specific version so that you don't have to update the component when the process is updated. <p>See Process Start Form in <i>Building Sites with Oracle Content and Experience</i>.</p>
Publish options for site assets	Site administrators	<p>When you publish changes to a site, you can publish all assets targeted to the site's channel or just the assets that are used on the site pages. See Publish Site Changes in <i>Building Sites with Oracle Content and Experience</i>.</p>
Updated Cloud Console and My Services Dashboard	Administrators	<p>The Cloud Console and My Services Dashboard have been updated to provide a more unified customer experience. The Cloud Console is now called Infrastructure Console. The My Services Dashboard is now called Infrastructure Classic Console. These updates enhance and simplify managing your Oracle Cloud services, but the placement for several key navigational actions have changed. Please see our announcement blog post for a list of changes and improvements.</p>
Oracle Content and Experience instances running on Oracle Cloud Infrastructure (OCI)	Administrators	<p>Use the Infrastructure Console to create, manage, and view your Oracle Cloud resources. See Deploy Oracle Content and Experience in <i>Administering Oracle Content and Experience</i>.</p>
Migration of an Oracle Content and Experience subscription to the Oracle Cloud Infrastructure native OCI environment	Administrators	<p>Enjoy the benefits and advances of Oracle's cloud platform in the future. See Migrate Oracle Content and Experience on Oracle Cloud Infrastructure (OCI) Classic to Gen 2 OCI in <i>Administering Oracle Content and Experience</i>.</p>

Feature	Role	Description
Oracle Content and Experience Toolkit Improvements	Developers	<p>The Oracle Content and Experience Toolkit command-line interface (CLI) has been enhanced to provide the following features:</p> <ul style="list-style-type: none"> • Test to production: Upload, download, and share files and folders, including uploading and downloading files within themes, sites, and components. • Test to production: New site resource permissions audit and usage report. • Password encryption for registered servers. <p>See Use the cec Command-Line Utility in <i>Integrating and Extending Oracle Content and Experience</i>.</p>
Create Source in Your Local File System	Developers	<p>The gradle setup for the Oracle Content and Experience Toolkit has been replaced with creating a source tree and registering servers. See Develop with OCE Toolkit in <i>Building Sites with Oracle Content and Experience</i>.</p>
Pass a CSS Style Sheet to Process Cloud Service	Developers	<p>You can control the look of a PCS process start form in a site by passing CSS information through the <code>design.css</code> file in a theme. See Pass a CSS Style Sheet to Process Cloud Service in <i>Integrating and Extending Oracle Content and Experience</i>.</p>
Start the Default Version of a PCS Process	Developers	<p>You can start the default version of a PCS process and view a sorted list of PCS start forms to choose from. See Start the Default Version of a PCS Process in <i>Integrating and Extending Oracle Content and Experience</i>.</p>
Set Whether Custom Styles Can Be Used in a Site	Developers	<p>A setting in a theme's <code>components.json</code> file specifies whether custom styling can be done in Site Builder. This setting prevents content contributors from changing the style of a site when building it. See Create a Theme in <i>Building Sites with Oracle Content and Experience</i>.</p>
Customization of the common UI for custom content connectors	Developers	<p>The common UI for content connectors supports customizations, which you can define in the connector configuration. The common picker reads UI Settings for a connector. See Content Picker in <i>Integrating and Extending Oracle Content and Experience</i>.</p>

Feature	Role	Description
New user assistance content	All users	The following new videos are available: <ul style="list-style-type: none"> • Provisioning an Oracle Content and Experience Cloud Instance with the Oracle Cloud Console • How Smart Content Works • How to Use Smart Content

19.3.2 (Universal Credit Model) — August 2019

Feature	Role	Description
Billing Limits settings	Administrators	For Oracle Content and Experience running on Oracle Cloud Infrastructure (OCI), you can specify the limits at which you want to be notified for billing metrics. See <i>Configure Billing Limits Settings</i> in <i>Administering Oracle Content and Experience</i> .
Google Drive content connector	All users	The Google API service and privacy policy applies to use of the Google Drive content connector. See <i>Configure a Google Drive Content Connector</i> in <i>Integrating and Extending Oracle Content and Experience</i> .
Authentication for REST APIs	Developers	Basic authentication for REST APIs is no longer supported. All REST API endpoints should be invoked with an OAuth token for the individual user. A random ID is generated when a social endpoint, such as <code>/social/api/v1/connections</code> , is invoked with an OAuth token. See "Using OAuth" under "Authenticate" in REST API for Conversations .
Oracle Content and Experience Toolkit	Developers	More command-line interface (CLI) commands have been added to the list of commands. See <i>Use the cec Command-Line Utility</i> in <i>Integrating and Extending Oracle Content and Experience</i> .
Content JS SDK	Developers	Oracle Content and Experience Content JS SDK (NodeJS and Browser) is released on GitHub. See Oracle Technology Network/Middleware/Content and Experience/Downloads .
Above the Fold Rendering	Developers	Rendering information for Above the Fold has been updated. See <i>Above the Fold (ATF) Rendering</i> in <i>Integrating and Extending Oracle Content and Experience</i> .

19.3.1 (Universal Credit Model) — July 2019

Feature	Role	Description
Welcome email	All users	The welcome email for Oracle Content and Experience users is now customized to each user's role, such as tenant administrator, enterprise user, and standard user. See Provide Sign In and Get Started Information to Users in <i>Administering Oracle Content and Experience</i> .
View annotations on content items from your mobile app	Asset users	You can now view annotations on content items from your mobile app. See Use Assets with iOS and Use Assets with Android in <i>Collaborating on Documents with Oracle Content and Experience</i> .
Publish taxonomies	Content administrators	Publish taxonomies to selected channels when you're ready to make asset categorization information available publicly. See Create and Manage Taxonomies in <i>Managing Assets with Oracle Content and Experience</i> .
Copy assets from one repository to another	Repository managers	Repository managers can copy assets from one repository to another. See View and Manage Digital Assets and View and Manage Content Items in <i>Managing Assets with Oracle Content and Experience</i> .
Default language for localization policy	Repository administrators	Set a default (fallback) language for assets and sites. See Create Localization Policies in <i>Managing Assets with Oracle Content and Experience</i> .
Configure template access (with site governance enabled)	Site administrators	If you have site governance enabled, you can select who can use a template to create sites. See Change Template Status or Audience in <i>Building Sites with Oracle Content and Experience</i> .
Embedded content (JSON) data field in content types	Content administrators	Add a JSON field to content types using the new Embedded Content data field. See Data Fields in <i>Managing Assets with Oracle Content and Experience</i> .
Content form view is the default for viewing content items	Asset users	When viewing a content item, you see it in Content Form View by default. See View and Manage Content Items in <i>Managing Assets with Oracle Content and Experience</i> .
Enhanced order by options for Content List component	Site developers	Sort your content list by the content type's date, number, or decimal fields, or enter your own custom sort expression. See Content List in <i>Building Sites with Oracle Content and Experience</i> .
Search for pages in Site Builder	Site developers	If you have a large number of pages in your sites, you can now easily find a page in Site Builder by searching for it. See Navigate to a Page in <i>Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Add child pages in-place in Site Builder	Site developers	Add child pages in-place to a page in Site Builder's site tree. See <i>Add Pages in Building Sites with Oracle Content and Experience</i> .
Pin filter and search options in Adobe Creative Cloud extension	Asset users	Pin the filter options and search criteria to the Assets view in Adobe Creative Cloud extension. See <i>Use the Adobe Creative Cloud Extension in Managing Assets with Oracle Content and Experience</i> .
REST API for Sites Management	Developers	A new REST API is available for managing sites in Oracle Content and Experience. See <i>Overview of the REST API for Sites Management in Integrating and Extending Oracle Content and Experience</i> .
Test to production with command-line tools	Developers	With the Oracle Content and Experience Toolkit command-line interface, you can propagate changes from development to test to production. See <i>Propagate Changes from Test to Production with Oracle Content and Experience Toolkit in Integrating and Extending Oracle Content and Experience</i> .

19.2.3 (Universal Credit Model) — June 2019

Feature	Role	Description
Connector content type mapping	Administrators	You can map asset metadata from third-party providers to data fields in content types. You can do this automatically or manually. See <i>Create Content Types for a Connector and Map Source Metadata to a Content Type in Integrating and Extending Oracle Content and Experience</i> .
Add connectors to repositories	Repository administrators	You can choose the connectors to use with your repository. When you add connectors, repository users will be able to add content from those third-party cloud storage providers. See <i>Create and Share Asset Repositories in Managing Assets with Oracle Content and Experience</i> .
Create and copy enterprise sites with governance	Site administrators	In addition to standard sites, you can now also create and copy enterprise sites when governance is enabled. See <i>Create Sites with Site Governance and Copy a Site with Governance in Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Publish all items targeted to site channel	Site administrators	When you publish changes to a site, all assets targeted to the site's channel will be published. For example, if you have a list that references content items that aren't directly part of the site, the referenced assets will also be published. See <i>Publish Site Changes in Building Sites with Oracle Content and Experience</i> .
Include updates when copying a site	Site creators	You can now include updates when you copy a site so that any outstanding updates are copied from the original site to the copied site. See <i>Copy a Site with Governance and Copy a Site without Governance in Building Sites with Oracle Content and Experience</i> .
Add annotations to sites and assets	Site creators and asset users	You can use annotations to add comments about a specific part of a site or asset. See <i>Quick Tour of Site Builder in Building Sites with Oracle Content and Experience</i> , and <i>View and Manage Digital Assets and View and Manage Content Items in Managing Assets with Oracle Content and Experience</i> .
Asset workflow in the Adobe Creative Cloud Extension	Asset users	You can submit assets for review, approve assets, or reject assets from the Adobe Creative Cloud Extension. See <i>Use the Adobe Creative Cloud Extension in Managing Assets with Oracle Content and Experience</i> .
Bulk delete of assets	Asset users	You can select multiple assets to delete at the same time. See <i>View and Manage Digital Assets and View and Manage Content Items in Managing Assets with Oracle Content and Experience</i> .
Collaborate on digital assets from your mobile device	Mobile asset users	Collaborate on digital assets from your mobile device, using conversations and annotations. See <i>Use Assets with iOS and Use Assets with Android in Collaborating on Documents with Oracle Content and Experience</i> .
Select multiple content types for references	Content administrators	When you add a reference field to a content type, you can allow multiple select content types. Previously you could select one content type, or all content types were available. See <i>Create and Share Content Types and Data Fields in Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
Add new mandatory fields to content types with existing content	Content administrators	You can add new mandatory fields to content types with existing content. The next time a user edits an existing content item, they'll be required to complete the new mandatory data field. See <i>Create and Share Content Types</i> in <i>Managing Assets with Oracle Content and Experience</i> .
Rename a field in a content type	Content administrators	You can rename a field in a content type as long as no associated content items have already been published. See <i>Create and Share Content Types</i> in <i>Managing Assets with Oracle Content and Experience</i> .
Site translation with a Language Service Provider	Developers	You can translate a site for multiple languages using Oracle Content and Experience Toolkit and a Language Service Provider. See <i>Translate a Site with a Language Service Provider</i> in <i>Integrating and Extending Oracle Content and Experience</i> .
Sites Toolkit renamed	Developers	The Sites Toolkit has been renamed to Oracle Content and Experience Toolkit. See <i>Develop with Oracle Content and Experience Toolkit</i> in <i>Integrating and Extending Oracle Content and Experience</i> .
OAuth 2 support	Repository administrators and developers	You can enable OAuth 2 support on a secure publishing channel. See Channels REST Endpoints in <i>REST API for Content Management</i> .

19.2.2 (Universal Credit Model) — May 2019

Feature	Role	Description
Updated analytics user interface	All users	The analytics user interface has been streamlined. See <i>Analyze Service Usage</i> in <i>Administering Oracle Content and Experience</i> .
OneDrive content connector	Administrators and asset users	An authorized application for a OneDrive content connector must provide a link where end users can revoke privileges. See <i>Configure a OneDrive Content Connector</i> in <i>Integrating and Extending Oracle Content and Experience</i> .
Add annotations to digital assets	Asset users	Add annotations to digital assets to communicate questions, changes needed, and such. See <i>View and Manage Digital Assets</i> in <i>Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
Properties panel for assets	Asset users	View asset properties in a side panel. See View and Manage Digital Assets and View and Manage Content Items in <i>Managing Assets with Oracle Content and Experience</i> .
Adobe Creative Cloud plug-in improvements	Asset users	Switch between the latest version of an asset and the published version. Package logs for troubleshooting. See Use the Adobe Creative Cloud Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Updated template details user interface for site administrators	Site administrators	If you're a site administrator, the template details user interface has been updated so site administrators can view details and policies in one place. See Change Template Policies in <i>Building Sites with Oracle Content and Experience</i> .
Improved site publishing	Site administrators	When you publish a site, translations for excluded languages won't be published, and any existing translations that become excluded by an updated localization policy will be removed from the published site. When you delete site pages and publish the site, the site pages and their translations will be removed from the published site. When you publish a site, site strings and assets will be validated to make sure that all languages required by the associated localization policy are included in the site. See Publish Site Changes in <i>Building Sites with Oracle Content and Experience</i> .
Copy category in a taxonomy	Content administrators	When creating or editing a taxonomy, you can copy a category and all its children. See Create and Manage Taxonomies in <i>Managing Assets with Oracle Content and Experience</i> .
Site index creation	Developers	Index an MLS site with a Oracle Content and Experience Toolkit command. See Index a Multilingual Site with Oracle Content and Experience Toolkit in <i>Integrating and Extending Oracle Content and Experience</i> .
Site map creation	Developers	Generate a site map for an MLS site with Oracle Content and Experience Toolkit. See Generate a Site Map for a Multilingual Site in <i>Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
Translation support	Developers	Create a new site or asset translation job in Oracle Content and Experience with Oracle Content and Experience Toolkit. See <i>Create a New Site or Asset Translation Job in the OCE Server in Integrating and Extending Oracle Content and Experience</i> .
Component creation	Developers	Create a simplified component with Oracle Content and Experience Toolkit for easier component development. See <i>Create a Simplified Component for Easy Component Development in Integrating and Extending Oracle Content and Experience</i> .

19.2.1 (Universal Credit Model) — April 2019

Feature	Role	Description
Authentication for REST API for Conversations or REST API for Users and Groups	Developers	Social endpoints are no longer supported to work with basic authentication. All social endpoints should be invoked with an OAuth token for the individual user. A random ID is generated when a social endpoint, such as <code>/social/api/v1/connections</code> , is invoked with an OAuth token. See "Using OAuth" under "Authenticate" in REST API for Conversations.
Multilingual site templates	Sites developers	Save a multilingual site as a template and then use it to create new multilingual site. See <i>Create a Template from a Site in Building Sites with Oracle Content and Experience</i> .
Translate site assets	Site developers	Create a translation job to translate only the assets used in a site. See <i>Translate a Site in Building Sites with Oracle Content and Experience</i> .
Email notification for taxonomy promotion	Asset users	Oracle Content and Experience will send out email notifications to repository managers and contributors when a taxonomy associated with the repository is promoted. See <i>Create and Manage Taxonomies in Managing Assets with Oracle Content and Experience</i> .
Sidebar panel updates for assets	Asset users	Several new panels have been added to the sidebar while viewing assets: Tags, Channels, Collections, and Analytics. See <i>View and Manage Digital Assets or View and Manage Content Items in Managing Assets with Oracle Content and Experience</i> .

Feature	Role	Description
Edit images in Site Builder	Site developers	You can edit images while editing a site in Site Builder. See Edit an Image in <i>Building Sites with Oracle Content and Experience</i> .
Preview content items in websites	Asset users	Content item creators can preview what a content item will look like in selected site pages. See Create and Share Content Types and Create Content Items in <i>Managing Assets with Oracle Content and Experience</i> .
Format menu for title and paragraph components	Site developers	Set the paragraph format for text in title and paragraph components. See Titles and Paragraphs in <i>Building Sites with Oracle Content and Experience</i> .
Commit site updates without publishing the site	Site developers	Commit site updates to the base site without publishing the changes to the site. See Use an Update and Publish Site Changes in <i>Building Sites with Oracle Content and Experience</i> .
Add watermarks to digital assets	Asset users	Add watermarks to digital assets. See Edit an Image in <i>Building Sites with Oracle Content and Experience</i> .
Copy standard sites with site governance enabled	Site developers	When site governance is enabled, you can now copy standard sites. See Manage Sites and Site Settings in <i>Building Sites with Oracle Content and Experience</i> .
Specify additional URL parameters for site pages	Site developers	Specify additional URL parameters in site page links in title, paragraph, button, image, gallery, and gallery grid components. See Use Built-In Components in <i>Building Sites with Oracle Content and Experience</i> .
Delete site requests from deprovisioned users	Site administrators	Site administrators can delete failed site requests from deprovisioned users. See Manage Site Requests in <i>Building Sites with Oracle Content and Experience</i> .
Markup editor in content item editor	Site administrators and asset users	Content type creators can select the markup editor for Text and Long Text fields in content types.
Custom content connector	Administrators and developers	The administration interface for custom content connectors and the interface for registering custom content connectors have been updated. See Create and Configure a Custom Connector and Register the Connector in <i>Integrating and Extending Oracle Content and Experience</i> .
Oracle Content and Experience Toolkit	Developers	Oracle Content and Experience Toolkit is released on GitHub. See Add Oracle Content and Experience Toolkit to the Project Code in a New GIT Repository in <i>Integrating and Extending Oracle Content and Experience</i> .

Feature	Role	Description
React starter site	Developers	The Starter Site CLI is released on GitHub. See Starter Site CLI for React Development in <i>Developing with Oracle Content and Experience As a Headless CMS</i> .

19.1.5 (Universal Credit Model and Mobile Apps) — March 2019

Feature	Role	Description
Manage asset approval in mobile apps	Asset users	Mobile app users with the appropriate permissions can now review an asset in workflow to either approve or reject it. See Use Assets with iOS or Use Assets with Android in <i>Collaborating on Documents with Oracle Content and Experience</i> .
Adobe Creative Cloud extension	Asset users	Use the assets stored in Oracle Content and Experience in your Adobe Creative Cloud applications, such as Photoshop. See Use the Adobe Creative Cloud Extension in <i>Managing Assets with Oracle Content and Experience</i> .
Asset categorization	Asset users	Create taxonomies of hierarchical categories to organize your assets and to help users find assets by drilling down into the area they're working on. See Create and Manage Taxonomies in <i>Managing Assets with Oracle Content and Experience</i> . Note: Taxonomies are available only in Oracle Content and Experience, not Oracle Content and Experience-Classic.
Light-weight image editing	Asset users	Crop, rotate, or flip an image, or change the format, background color, or image quality. Then save the new image as a new rendition, a new version, or a completely new asset. See Edit an Image in <i>Building Sites with Oracle Content and Experience</i> .
Translate assets with sites	Asset users and site developers	Create translation jobs that include a site's targeted assets as well as the pages and structure of the site. See Translate a Site in <i>Building Sites with Oracle Content and Experience</i> .

Feature	Role	Description
Improved asset publishing validation	Asset users	When you publish assets, the validation results now list not only the status of the selected assets, but also any associated translations and any dependent assets. The information about why an asset failed validation has also been improved. See Publish Assets in <i>Managing Assets with Oracle Content and Experience</i> .
Add specific rendition of image to a site	Asset users and site developers	When you add a digital asset to a site, you can select a specific rendition of the image, and you can have the latest version of the asset published along with the site.
Sites and channels analytics dashboard	Administrators	You can see usage, utilization, and traffic analytics for your created sites and channels. See View the Sites & Channels Analytics Dashboard in <i>Administering Oracle Content and Experience</i> .
Content connector improvements	Administrators and developers	Use the connector framework to delete a disabled connector. Assign connector tags to assets pulled from a connector. Provide additional connector configuration for a custom picker UI. See Delete a Connector, Enable a Connector, and Create and Configure a Custom Connector in <i>Integrating and Extending Oracle Content and Experience</i> . Download a sample content connector and SDK. Change the connection timeout values in the <code>config.cfg</code> file. See Download the CEC Connector Sample and SDK and Register the Connector in <i>Integrating and Extending Oracle Content and Experience</i> .

19.1.3 (Universal Credit Model) — February 2019

Feature	Role	Description
Site governance	Administrators and site developers	Site governance makes it easy for business users to create sites that conform to company policy and gives site administrators an easy way to control and track sites from a centralized location. See Understand Site Governance in <i>Building Sites with Oracle Content and Experience</i> and Configure Sites and Assets Settings in <i>Administering Oracle Content and Experience</i> .

Feature	Role	Description
Multilingual sites	Administrators and site developers	Download site files for easy translation outside of Oracle Content and Experience, then import the translated files. Enable multilingual translations of custom components for sites. See <i>Translate a Site and Develop Translatable Components for Multilingual Sites in Building Sites with Oracle Content and Experience</i> .
Image rendition support	Administrators and asset users	You can upload custom renditions of your images to suit the channel they're published to (mobile, tablet, web, etc.). You can also configure the maximum number of custom renditions per asset. See <i>Configure Sites and Assets Settings in Administering Oracle Content and Experience</i> and <i>Manage Image Renditions in Managing Assets with Oracle Content and Experience</i> .
Oracle WebCenter Content asset connector	Administrators and asset users	Browse for assets stored in Oracle WebCenter Content. See <i>Configure WebCenter Content and OCE for the WCC Connector in Integrating and Extending Oracle Content and Experience</i> and <i>Add and Remove Assets in Managing Assets with Oracle Content and Experience</i> .
Custom connectors	Administrators, asset users, and developers	Create and configure a custom connector to a third-party content repository. Use the connector framework to implement a custom connector based on the Pexels connector reference implementation. See <i>Create and Configure a Custom Connector and Develop Content Connectors in Integrating and Extending Oracle Content and Experience</i> and <i>Add and Remove Assets in Managing Assets with Oracle Content and Experience</i> .
Analytics content metrics	Content contributors	Content contributors can view content metrics on the Analytics dashboard for any repositories in which they have the Contributor role. If they can contribute to a repository, they can see metrics for all assets, collections, and channels for that repository. See <i>Content Operations in Administering Oracle Content and Experience</i> .
New REST API for Content Management	Developers	A new REST API for Content Management is now available. This REST API provides access to manage assets in Oracle Content and Experience, including content items as well as digital assets and their renditions. See REST API for Content Management .

Feature	Role	Description
Index site pages	Developers	Use Oracle Content and Experience Toolkit to create content items for text on site pages and to enable page search for a site. See Index Site Pages with Oracle Content and Experience Toolkit in <i>Integrating and Extending Oracle Content and Experience</i> .
React starter site	Developers	Use the Starter Site CLI to get started with React development quickly. Build configuration is not required. See Starter Site CLI for React Development in <i>Developing with Oracle Content and Experience As a Headless CMS</i> .

19.1.3 (Traditional Cloud Account) — February 2019

Feature	Role	Description
Stability improvements	All users	General stability improvements have been made to enhance product use.

Documentation Accessibility

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Oracle® Cloud What's New for Oracle Content and Experience,
E81392-54

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