What's new in
ALFRESCO CONTENT SERVICES 7.0

Alfresco Content Services 7.0 (ACS 7.0) introduces dramatic increases in scalability, performance, security and risk management to become the most open, cloud-native content services platform for accelerating business transformation. Flexible deployment options let you deploy Alfresco Content Services 7.0 in the Alfresco Cloud as a fully managed Platform-as-a-Service (PaaS); in a hybrid cloud [Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform]; or on-premises.

IMPROVED SCALE AND PERFORMANCE

With the massive, ever-increasing volumes of unstructured content generated by both humans and machines, organizations need scalable content services platforms that can handle billions of documents.

- Optimized read, write and ingestion performance from legacy systems or business applications help bring all your data together.
- Renditions and transformations improve performance long-term.

ENHANCED SEARCH CAPABILITIES

Alfresco Search Services let your users locate the exact content they need easily and quickly — even in huge content repositories. Elasticsearch benefits include:

- The new Query Accelerator improves linear database scalability for faster, more efficient searches of large repositories.
- An early access program is available for Elasticsearch to evaluate as an alternative to Solr. It offers improved deployment options, such as utilizing a managed, cloud-based search service as a deployment option.

ENHANCED CAPABILITIES FOR ADMINISTRATORS AND DEVELOPERS

Alfresco is a perfect choice for organizations that want to extend their platform's capabilities to support specific use cases. This release brings additional value to the developers and administrators of the Alfresco platform.

- Improved deployment for non-containerized (Ansible playbooks) and containerized deployments (improved reference charts for Helm and Kubernetes).
- Alfresco Extension Inspector analyzes and compares existing extensions against repository versions for compatibility and upgradeability.
- Enhanced developer experience with new Alfresco Events software development kit (SDK) to speed up the development process and the time to value.

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Alfresco Content Services 7.0
NEW FEATURES HIGHLIGHTS

ACS 7.0 introduces dramatic increases in capabilities and performance across search, scalability, development and deployment.

PRODUCTIVITY INTELLIGENCE
AI video and audio search: easily search for rich media through automatic generation of transcripts for audio and video content. Support business intelligence through data aggregation and visualization with Tableau and Microsoft Excel.

SIMPLIFIED DEPLOYMENT
New installers for non-containerized deployment with Ansible playbooks for single and multi-machine deployments. For Helm and Kubernetes: improved reference charts for containerized deployments.

SCALE & PERFORMANCE
Gain a scalable content services platform to handle billions of documents.

IMPROVED CUSTOMIZATION
Alfresco Events SDK 5.0 empowers developers with a more modern way to customize ACS behavior.

ENHANCED SEARCH OPTIONS
In addition to Solr, an early access program is available for Elasticsearch, opening new deployment and auto-scaling options for the search index. The new Query Accelerator supports faster, more efficient searches of large repositories.

COLLABORATION
A new Collaboration Connector for Microsoft 365 lets you increase team collaboration and co-authoring. Mobile apps offer offline functionality so that users can interact with files and folders offline.

EASIER UPGRADES
Manage and check customizations, libraries, AMP and JAR files for easier forward planning and future upgrades with the Alfresco Extension Inspector.

SECURITY & RISK MANAGEMENT
Mark personally identifiable information (PII) at ingestion. Automate the application of security marks.

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Alfresco Content Services 7.0
VERSION FEATURE COMPARISON

WORKING WITH DOCUMENTS

Effective collaboration is essential for remote working and business success. Alfresco's native Microsoft 365 integration lets you author and collaborate seamlessly on Microsoft Office documents in real-time.

Working with documents	Version		
	5.2	6.2	7.0
Alfresco Collaboration Connector for Microsoft 365 — Native integration to author Microsoft Office documents and collaborate seamlessly, in real time, using familiar Microsoft Office web applications.	-	✔	✔
Alfresco Digital Workspace — Accelerate user adoption with an intuitive out-of-the box experience optimized for common tasks.	-	✔	✔
Alfresco Mobile Workspace — Users can work while away from their workstations without compromising how content is accessed. Keep productivity high by transporting technical documents into the field without worrying about a data connection.	-	✔	✔
Work with multiple files — Drag and drop upload entire folders, use shortcuts to avoid duplicate content and take action on multiple file selections more easily directly from search results.	✔	✔	✔
Quicker and easier collaboration — Simplified site permissions and process for adding users to sites rather than inviting them (which needs to be accepted).	✔	✔	✔
Easy import and take-ownership — Site-owner controlled 'change ownership' of content makes dealing with leavers or absences easier. Bulk importing content is easy; unzip to maintain folder structure of files imported.	✔	✔	✔
Accessibility — Screen reader and contrast improvements to search pages and headers.	✔	✔	✔

SEARCH

Alfresco Search Services let your users locate the exact content they need easily, quickly and intuitively — even in huge content repositories. With the introduction of Elasticsearch and the new Query Accelerator, it is now even easier for end users to search video and audio files with the automatic generation of transcripts.

Search	Version		
	5.2	6.2	7.0
Elasticsearch — An early access program is available for Elasticsearch to evaluate as an alternative to Solr. It offers improved deployment options, such as utilizing a managed, cloud-based search service.	-	-	✔
Query Accelerator — Improved search performance that allows businesses to search large repositories more quickly and efficiently.	-	-	✔

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VERSION FEATURE COMPARISON

Search (cont.)	Version		
	5.2	6.2	7.0
Searchable video and audio using AI — Users can easily search for rich media through automatic generation of transcripts for audio and video content.	-	-	✔
Alfresco Search and Insight Engine — Developer and end user-friendly contextual analytics and reporting.	-	✔	✔
Alfresco Search Services — Solr has been separated from the platform into a new Alfresco Search Services artifact and allows users to update search independently from the platform.	✔	✔	✔
Search term highlighting and search scope filtering — Easily limit Live Searches to specific sites within Alfresco, and see results highlighted to quickly see where the search term was found.	✔	✔	✔
Solr sharding — High-performance indexing of billions of documents utilizing smaller, multi-node indexes for parallel processing. Search Admin Console provides monitoring and configuration.	✔	✔	✔
Faster and more relevant queries — 'Auto phrasing' and synonyms support improves results relevance; search for 'price list' now searches for 'price' and 'list' and re-ranks/reorders results using the phrase 'price list.'	✔	✔	✔
Accurate search queries — Spellcheck and search term suggestions make finding content quicker and more accurate. Instant, as-you-type results immediately show matching documents, sites and people.	✔	✔	✔
Filtered (faceted) search results — Results-specific filters allow further narrowing of results to get to the right content much more quickly. Continuous page scrolling reduces clicks, with inline actions directly from results. Filters can be easily customized by site using the Search Manager.	✔	✔	✔

PLATFORM AND ADMINISTRATION

Massive scalability and performance improvements in ACS 7.0 reduce the administration effort in scaling infrastructure for an ever-growing volume of unstructured content. Administrators benefit from new Ansible playbooks to simplify and automate ACS 7.0 deployment. Containerized deployments benefit from improved Helm and Kubernetes reference charts.

Platform and administration	Version		
	5.2	6.2	7.0
Improved Scalability — Optimized read, write, and ingestion performance as well as improved renditions and transformations.	-	-	✔
New installers for non-containerized deployment — Ansible playbooks for single and multi-machine deployments to simplify and automate installation.	-	-	✔
Transform Service — Perform transformations for Alfresco Content Services in scalable containers.	-	✔	✔

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VERSION FEATURE COMPARISON

Platform and administration (cont.)	Version		
	5.2	6.2	7.0
Improved administration tools — Log viewing, thread profiling, resource usage, scheduled trash can cleaning.	✔	✔	✔
Control licensing — Ability to fully synchronize LDAP while also limiting Alfresco users.	✔	✔	✔
Amazon Aurora database support — Take advantage of AWS scalability, performance and security.	✔	✔	✔

SECURITY

Organizations need to protect their sensitive business information from threats or external attacks. Alfresco continually improves its capabilities around security, identity and access management to the highest standards.

Security	Version		
	5.2	6.2	7.0
Identity Service/Keycloak — Updated the underlying Keycloak to the latest version to keep up with general security patches.	-	-	✔
Identity Service/Single Sign-On (SSO) — Using the new Alfresco Identity Service is supported by the Alfresco Content Services v1 REST APIs.	-	✔	✔
Encrypted configuration properties	✔	✔	✔
Slowdown of login brute force attacks	✔	✔	✔
Improved password encryption — Option to use BCrypt in addition to default MD4.	✔	✔	✔
Enhanced penetration testing including code analysis scanning	✔	✔	✔

DEVELOPERS

Alfresco is an open, modular platform with an extensive set of open APIs for developing custom apps or extending the repository capabilities. ACS 7.0 introduces Alfresco Extension Inspector and Alfresco Events SDK 5.0 for developing customizations, and maintaining and upgrading those more easily over time.

Developers	Version		
	5.2	6.2	7.0
Alfresco Extension Inspector — Helps customers to manage and check their customizations, libraries, AMP and JAR files to allow forward planning and easier upgrades in the future. The Extension Inspector gets released with ACS 7.0, but works also for previous versions to plan upgrades.	✔	✔	✔
Alfresco Events SDK 5.0 — To empower developers with a more modern way to customize ACS.	-	-	✔

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Alfresco Content Services 7.0
VERSION FEATURE COMPARISON

Developers (cont.)	Version		
	5.2	6.2	7.0
Alfresco support for Amazon Elastic Container Service for Kubernetes (EKS) — Makes it easy to move fast, deploy efficiently, and operate securely at an unprecedented scale.	-	✔	✔
Java 11 support — ACS now supports OpenJDK 11.0.1 and Oracle JDK 11.0.1.	-	✔	✔
Docker and Kubernetes — Fast and standardized deployments across all environments.	-	✔	✔
Alfresco Content Services SDK 4.0 — Enables developers to customize and extend Alfresco Content Services and Alfresco Share, and easily enable CI/CD use cases.	-	✔	✔
Application Development Framework (ADF) support — Use new JavaScript APIs and Angular2 components to rapidly build business solutions/apps.	✔	✔	✔
Expanded, versioned public REST APIs — Now covering with nodes, shared-links, queries, advanced search, sites, tickets and people.	✔	✔	✔

SMART CONTENT HANDLING

Faced with exploding volumes of business information, organizations must find ways to organize content at scale, drive automation, and extract insights to move business forward. With ACS 7.0, it is now even easier to search video and audio files with the automatic generation of transcripts.

Smart content handling	Version		
	5.2	6.2	7.0
Searchable video and audio using AI — End users can easily search for rich media through automatic generation of transcripts for audio and video content.	-	-	✔
Artificial intelligence and machine learning — Alfresco Intelligence Services help companies to extract insights and drive automation.	-	✔	✔
Easy Model Manager — Create metadata models and property forms without coding to easily organize content and enable a richer search experience for users.	✔	✔	✔

MOBILE AND DESKTOP ACCESS

Your users expect work to be digital and tailored to their needs. Alfresco enhanced the mobile applications with ACS 7.0 to enable users to work natively with offline files on their smartphones or tablet devices.

Mobile and desktop access	Version		
	5.2	6.2	7.0
Mobile apps with offline functionality — Optimized experience for interacting with offline files and folders on mobile devices.	-	-	✔
Desktop sync for Mac — Synchronize any Alfresco folder or site to your Windows or Mac.	-	✔	✔

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Alfresco Content Services 7.0
VERSION FEATURE COMPARISON

Mobile and desktop access (cont.)	Version		
	5.2	6.2	7.0
Desktop records management — Control and manage records from your desktop with Desktop Sync for Windows and Mac.	-	✔	✔
Desktop Sync for Windows — Easily synchronize content between your Windows PC and Alfresco for offline access to the latest version.	✔	✔	✔
IOS and Android mobile apps, with SDK — Access Alfresco (on premise or Cloud) via iOS or Android device with support for tasks, doc preview and editing and offline viewing, as well as customizable profiles.	✔	✔	✔

MODULES SUPPORTED

Organizations need to securely connect their content across best-of-breed applications such as ERP, CRM and email. Alfresco provides continuous innovation to existing connectors, available in the recent ACS releases.

Modules supported	Version		
	5.2	6.2	7.0
Alfresco Content Connector for Azure — Integration into Microsoft's cloud storage service that offers industry-leading scalability, data availability, security and performance.	-	-	✔
Alfresco Content Connector for Amazon S3 Glacier — Integration into Amazon's extremely low-cost cloud storage service for data archiving and long-term backup.	-	✔	✔
Alfresco Content Connector for Salesforce — Easily access and upload content directly from within Salesforce. The new 'recommended content' is only available with v6.2 and above.	✔	✔	✔
Alfresco Content Connector for SAP — Offload unstructured content from SAP to Alfresco to share information effortlessly while reducing storage costs.	✔	✔	✔
Alfresco Content Encryption — At-rest encryption of the repository for increased security.	✔	✔	✔
Microsoft Outlook — Easily access and upload content directly from within Microsoft Outlook.	✔	✔	✔
Alfresco Content Connector for Amazon S3 — Integration into Amazon's cloud storage service that offers industry-leading scalability, data availability, security and performance.	✔	✔	✔

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VERSION FEATURE COMPARISON

ALFRESCO GOVERNANCE SERVICES

Leading organizations in the most highly regulated industries turn to Alfresco as a trusted partner for information governance. Alfresco Governance Services capabilities are continually improved to provide a stable foundation for fully integrated content and process governance that strengthens compliance, with unmatched simplicity and control.

Alfresco Governance Services	Version		
	2.6	3.0	3.5
Legal holds — Ensure the preservation of key data during an audit or litigation.	-	-	✔
WORM — Immutable, Write-Once-Read-Many (WORM) regulatory compliant storage.	-	-	✔
Additional security — Users within an "Any Mark" group can apply any of the marks in the group to content.	-	✔	✔
DoD 5015.02 CH3 certification and CH2 re-certification	-	✔	✔
Security marks — Classification and security marks applied to folders (ISO16175 support).	✔	✔	✔
Classified content and records — Set classification levels and lifecycle, including defining security levels for users for an extra layer of security granularity over generic UCLs.	✔	✔	✔
Data cleansing — On delete, the disk is overwritten for complete removal of data so 'undelete' is not possible.	✔	✔	✔
Enhanced management of records — Move in-place records, declare file versions as records and unlink records.	✔	✔	✔
Improved processes — Easier process to add relationships and reject records.	✔	✔	✔
Dynamic file plan — Simple rule creation for dynamic file plan creation and new actions including File to, Move to and Copy to.	✔	✔	✔
DOD-certified site option — Option to create a standard or DOD-compliant RM site.	✔	✔	✔
'Keep metadata' option — Ability to maintain record metadata after destruction of the record itself, for audit purposes.	✔	✔	✔

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