![Cf] **Adobe ColdFusion**
2021 Release

	ColdFusion Standard (2021 Release)	ColdFusion Standard (2018 Release)	ColdFusion Standard (2016 Release)

Cloud services

Cloud storage services	•		
NoSQL database Support	•		
Messaging service	•		
RDS (Relational database services)	•		
AWS Lambda	•		
Email service	•		

Performance monitoring toolset

Server Monitoring	•	•	
Code Profiler	•	•	
Database Monitor	•	•	
External Services Monitor	•	•	
Automatic Connector Tuning	•	•	•
	•	•	•

Document services

	•	•	•
PDF archiving	•	•	•
PDF redaction	•	•	•
PDF sanitization	•	•	•
Exchange comments across files	•	•	•
Standardized PDF metadata	•	•	•
PDF attachments	•	•	•
PDF stamp support	•	•	•
Microsoft Office 2010 PowerPoint file generation	Restricted functionality	Restricted functionality	Restricted functionality
PDF file conversion from MS Office 2010 (Word & PowerPoint)	Restricted functionality	Restricted functionality	Restricted functionality
MS Office 2010 Excel support	Restricted functionality	Restricted functionality	Restricted functionality
PDF form processing	Restricted functionality	Restricted functionality	Restricted functionality
PDF document manipulation	Restricted functionality	Restricted functionality	Restricted functionality
Server-side printing	Restricted functionality	Restricted functionality	Restricted functionality
Online presentation generation	Restricted functionality	Restricted functionality	Restricted functionality
PDF file generation from HTML	Restricted functionality	Restricted functionality	Restricted functionality
Structured reporting	Restricted functionality	Restricted functionality	Restricted functionality

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Mobile development

Client-side database integration	•	•	•
CFML-based mobile app development	•	•	•
Device detection	•	•	•
Native device APIs	•	•	•
On—device debugging	•	•	•
Remote inspection	•	•	•
Client-side database access	•	•	•
Custom tag framework	•	•	•

Application development

Lightweight Installer	•		
Modularization	•		
Single Sign-on	•		
CF Setup	•		
Full CFSCRIPT support	•	•	•
Command line interface	•	•	
Member functions	•	•	•
QueryExecute and Elvis operator	•	•	•
Social login support and social plug-in integration	•	•	•
Custom serializer and de-serializer for JSON and XML	•	•	•
Object-relational mapping (ORM)	•	•	•
Advanced caching (ehcache)	•	•	•
Ajax UI component	•	•	•
Ajax framework	•	•	•
Image manipulation	•	•	•
RSSand atom feed creation and consumption	•	•	•
ZIP and JAR archive file manipulation	•	•	•
Database introspection	•	•	•
Custom server-side chart styles	•	•	•
Server-side charting and graphing	•	•	•
ColdFusion components (CFCs)	•	•	•
XML support	•	•	•
XPath support	•	•	•
Web services (SOAP)	•	•	•
Built-in support for REST	•	•	•
File manipulation	•	•	•

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Application development

.NET assembly support (DLL)	•	•	•
Java, servlet, and EJB connectivity	•	•	•
JDBC and ODBC	•	•	•
FTP and SFTP servers	•	•	•
Virtual file systems (RAM)	•	•	•
Virtual file systems (ZIP, JAR, FTP, SFTP)	•	•	•
Multi-threaded CFML (CFTHREAD) *	Restricted functionality	Restricted functionality	Restricted functionality
Database client connection management	•	•	•
Support for additional database types	•	•	•
Database exception handling	•	•	•
Failover support for database	•	•	•
Revamped scheduler engine	•	•	•
Grouping of scheduled tasks	•	•	•
Scheduled task priority	•	•	•
Support for closures	•	•	•
CFC auto constructor	•	•	•
CFC method chaining	•	•	•
For-in support for queries and lists	•	•	•
Hotfix installer	•	•	•
Instant notification for updates in ColdFusion Administrator	•	•	•
CFScript support	•	•	•
Flex and Adobe AIR lazy loading	•	•	•

Advanced protocol support

Gateway architecture	•	•	•
Data management service	•	•	•
Data services messaging	•	•	•
Enterprise IM gateways (Sametime and XMPP)	Restricted functionality	Restricted functionality	Restricted functionality
Asynchronous CFML gateway	Restricted functionality	Restricted functionality	Restricted functionality
SMS gateway	Restricted functionality	Restricted functionality	Restricted functionality
JMS gateway	Restricted functionality	Restricted functionality	Restricted functionality
TCP/IP socket gateway	Restricted functionality	Restricted functionality	Restricted functionality
Directory watcher gateway	Restricted functionality	Restricted functionality	Restricted functionality

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Enterprise

	ColdFusion Standard (2021 Release)	ColdFusion Standard (2018 Release)	ColdFusion Standard (2016 Release)
64-bit support	•	•	•
Port80 support for HTML5 WebSockets	•	•	•
SSLv3 support for HTML WebSockets	•	•	•
JDBC and ODBC	•	•	•
HTML5 charts	•	•	•
Built-in HTML5 videoplayer	•	•	•
Fall back from HTML5 to Adobe Flash technology and vice versa	•	•	•
Skinning support for HTML5 videoplayer	•	•	•
Support for events and JavaScript interface for HTML5 videoplayer	•	•	•
Geo-location capability with CFMAP	•	•	•
Suport for HTML5 input types	•	•	•
Support for WebSocket protocol on server	•	•	•
Interface for publish and subscribe using WebSocket	Restricted functionality	Restricted functionality	Restricted functionality
Custom styles for HTML5 charts	•	•	•

Integrated solutions

	ColdFusion Standard (2021 Release)	ColdFusion Standard (2018 Release)	ColdFusion Standard (2016 Release)
Embedded Apache Solr full-text search engine	•	•	•
Adobe LiveCycle Data Services ES integration	•	•	•
Eclipse based debugging	•	•	•
Flash remoting	•	•	•
Adobe Dreamweaver and Eclipse extensions	•	•	•
User-defined functions	•	•	•
Microsoft SharePoint web parts	•	•	•
Microsoft SharePoint single sign-on	•	•	•
Java portal integration (JSR-168, JSR-286, WSRP)	•	•	•
Email servers (POP and IMAP)	•	•	•
Support for Microsoft Exchange 2010	•	•	•
Microsoft Exchange server integration	•	•	•
Directory servers (Active Directory and LDAP)	•	•	•
Apache Tomcat integration	•	•	•
Revamped Adobe Flash videoplayer	•	•	•
Bidirectional Java integration	•	•	•
Java classes loaded from custom paths	•	•	•
Java dynamic proxies from CFCs	•	•	•
Ability to invoke CFCs from Java classes	•	•	•
Tight integration with ColdFusion Builder	•	•	•

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Security			
Single Sign-on	•		
Port80 support for HTML5 WebSockets	•	•	•
SSLv3 support for HTML WebSockets	•	•	•
Windows NT domain authentication	•	•	•
Built-in functions to protect against XSS and CSRF	•	•	•
Login mechanism	•	•	•
Session cookie management	•	•	•
Server manager and monitor			
Desktop-based server manager			
Web-based server administration	•	•	•
Administrator API	•	•	•
Compiled application deployment (sourceless)	•	•	•
Server monitoring dashboard			