

Adobe ColdFusion (2018 release)

Feature improvement history



Features included in each edition of Adobe ColdFusion	ColdFusion Standard 2018 release		ColdFusion Standard 2016 release		ColdFusion 11 Standard	
	Enterprise	Standard	Enterprise	Standard	Enterprise	Standard
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						
Asynchronous programming	New	New				
Full CFSCRIPT support	◦	◦	•	•	•	•
Command line interface	◦	◦	•	•		•
REPL support	New	New				
REST playground	New	New				
Code profiler	New	New				
Distributed Cache	New					
Member functions	•	•	•	•	•	•
QueryExecute and Elvis operator	•	•	•	•	•	•
Social login support and social plug-in integration	•	•	•	•	•	•
Custom serializer and de-serializer for JSON and XML	•	•	•	•	•	•

Features included in each edition of Adobe ColdFusion	ColdFusion Standard 2018 release		ColdFusion Standard 2016 release		ColdFusion 11 Standard	
	Enterprise	Standard	Enterprise	Standard	Enterprise	Standard
Multisite RESTful web services	•		•		•	
Object-relational mapping (ORM)	•	•	•	•	•	•
ORM text search	•		•		•	
Advanced caching (ehcache)	•	•	•	•	•	•
Ajax UI component	•	•	•	•	•	•
Ajax framework	•	•	•	•	•	•
Image manipulation	•	•	•	•	•	•
RSS and 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)	Enhanced	Enhanced	•	•	•	•
Built-in support for REST	•	•	•	•	•	•
File manipulation	•	•	•	•	•	•
.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 CFML1 (CFTHREAD)	•	○	•	○	•	○
Database client connection management	•	•	•	•	•	•
Support for additional database types	•	•	•	•	•	•

Features included in each edition of Adobe ColdFusion	ColdFusion Standard 2018 release		ColdFusion Standard 2016 release		ColdFusion 11 Standard	
	Enterprise	Standard	Enterprise	Standard	Enterprise	Standard
Database exception handling	•	•	•	•	•	•
Failover support for database	•	•	•	•	•	•
Revamped scheduler engine	•	•	•	•	•	•
Grouping of scheduled tasks	•	•	•	•	•	•
Misfire and exception handling of scheduled tasks	•		•		•	
Scheduled task priority	•	•	•	•	•	•
Listeners for scheduled tasks	•		•		•	
Cluster support for scheduled tasks	•	•	•	•	•	•
Chaining of scheduled tasks	•		•		•	
Application-specific scheduled tasks	•		•		•	
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)	•	○	•	○	•	○
Asynchronous CFML gateway	•	○	•	○	•	○
SMS gateway	•	○	•	○	•	○
JMS gateway	•	○	•	○	•	○
TCP/IP socket gateway	•	○	•	○	•	○
Directory watcher gateway	•	○	•	○	•	○

Features included in each edition of Adobe ColdFusion	ColdFusion Standard 2018 release		ColdFusion Standard 2016 release		ColdFusion 11 Standard	
	Enterprise	Standard	Enterprise	Standard	Enterprise	Standard
Document services						
PDF digital signatures	•		•		•	
PDF archiving	•	•	•	•	•	•
Full PDF DDX support	•		•		•	
PDF redaction	•	•	•	•		
PDF sanitization	•	•	•	•		
Exchange comments across files	•	•	•	•		
Standardized PDF metadata	•	•	•	•		
PDF attachments	•	•	•	•		
PDF stamp support	•	•	•	•		
Cluster support for HTML to PDF conversion	•		•		•	
Microsoft Office 2010 PowerPoint file generation	•	•	•	•	•	•
PDF file conversion from Microsoft Office 2010 Word and PowerPoint	•	•	•	•	•	•
MS Office 2010 Excel support	•	○	•	○	•	○
PDF form processing	•	○	•	○	•	○
PDF document manipulation	•	○	•	○	•	○
Server-side printing	•	○	•	○	•	○
Online presentation generation	•	○	•	○	•	○
PDF file generation from HTML	•	○	•	○	•	○
Structured reporting	•	○	•	○	•	○
Enterprise infrastructure						
64-bit support	•	•	•	•	•	•
Administrative user and role management	•		•		•	
Request limit management	•		•		•	
Operating system virtualization support2	•		•		•	
High-scalability email engine	•		•		•	
Web-based multi-instance manager	•		•		•	
Web-based cluster manager	•		•		•	
JEE package deployment (EAR/WAR)	•		•		•	
Multiple server instances	•		•		•	

Features included in each edition of Adobe ColdFusion	ColdFusion Standard 2018 release		ColdFusion Standard 2016 release		ColdFusion 11 Standard	
	Enterprise	Standard	Enterprise	Standard	Enterprise	Standard
Instance clustering	•		•		•	
Enterprise database drivers	•		•		•	
ColdFusion archiving and deployment (CAR)	•		•		•	
HTML5						
Cluster support for HTML5 web sockets	•		•		•	
Port80 support for HTML5 web sockets	•	•	•	•	•	•
SSLv3 support for HTML web sockets	•	•	•	•	•	•
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	•	•	•	•	•	•
Support for HTML5 input types	•	•	•	•	•	•
Support for websocket protocol on server	•	•	•	•	•	•
Interface for publish and subscribe using web socket	•	○	•	○	•	○
Custom styles for HTML5 charts	•	•	•	•	•	•
Integrated solutions						
Embedded Apache Solr full-text search engine	•	•	•	•	•	•
Support for dynamic custom fields for Solr	•		•		•	
Data import handler for Solr	•		•		•	
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)	•	•	•	•	•	•

Features included in each edition of Adobe ColdFusion	ColdFusion Standard 2018 release		ColdFusion Standard 2016 release		ColdFusion 11 Standard	
	Enterprise	Standard	Enterprise	Standard	Enterprise	Standard
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	•	•	•	•	•	•
Security						
Auto Lockdown	New	New				
Windows NT domain authentication	•	•	•	•	•	•
RSA FIPS 140–compliant strong cryptology	•		•		•	
Security sandboxing	•		•		•	
Built-in functions to protect against XSS and CSRF	•	•	•	•	•	•
Login mechanism	•	•	•	•	•	•
Security code analyzer	Enhanced		•			
Session cookie management	•	•	•	•	•	•
Server manager and monitor						
Desktop-based server manager	Enhanced		•			
Server Visibility	New					
Database Visibility	New					
External Visibility	New					
Automatic Connector Tuning	New					
Web-based server administration	•	•	•	•	•	•
Administrator API	•	•	•	•	•	•

Features included in each edition of Adobe ColdFusion	ColdFusion Standard 2018 release		ColdFusion Standard 2016 release		ColdFusion 11 Standard	
	Enterprise	Standard	Enterprise	Standard	Enterprise	Standard
Compiled application deployment (sourceless)	•	•	•	•	•	•
Server monitoring dashboard	•	•	•	•	•	•
Server monitoring API	•		•		•	
API Manager						
Threat Protection	New					
Policy Management	New					
Multitenancy Support	New					
API monitoring	•		•			
API version and lifecycle management	•		•			
API access control	•		•			
API rate limiting and throttling	•		•			
API developer portal	•		•			
SOAP gateway	•		•			
External storage for session scope	•		•			
API caching	•		•			
Scalable API management infrastructure	•		•			
SOAP to REST translation	•		•			

- Available
- Restricted
- Enhanced Enhanced Features
- Blank Not Available
- New Features

1. On Standard Edition, the maximum limit of threads that can be spawned via CFTHREAD is 10. Threads created by CFTHREAD in excess of this are queued. There is no such limit on Enterprise Edition.
2. Restricted features in ColdFusion Standard Edition: Enterprise features run through the Enterprise Feature Router (EFR). These features run in the Standard edition. However, all features running through the EFR are limited to one shared simultaneous request.



Adobe

Adobe Systems Incorporated
 345 Park Avenue
 San Jose, CA 95110-2704
 USA
www.adobe.com

Adobe, the Adobe logo, ColdFusion and ColdFusion Builder are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries. All other trademarks are the property of their respective owners.

© 2018 Adobe Systems Incorporated. All rights reserved.

xxxxxxxx xx