

ShareCare[™] Adobe[®] ColdFusion[®] 2018 Installation

Before starting the Install, read these instructions completely.

The successful installation of ColdFusion 2018 CF10 requires following the list of ORDER DEPENDENT steps EXACTLY as outlined in this document.

WEB SERVER

- Windows 2016 Server or above required
- Windows Server service packs as needed
- Windows Server critical updates (apply)
- 1. Make sure that that your Cold Fusion Server is named appropriately.
- 2. Create a Z:\ drive (A second drive, 100GB or larger, is recommended. Also see addendum below if this will be a clustered system)
- 3. Copy the following directories from your current Cold Fusion 10 server Z: Drive onto your new Cold Fusion 2018 Z: Drive Zip might make this easier.
 - a. Cfml
 - b. CFX
 - c. Custom
 - d. Data
 - e. Logs
 - f. ShareCare Images
 - g. ShareCare Reports
 - h. Tags
 - i. Training

j.

4. Enable Internet Information Services (IIS) Roles/Features. Navigate to *Control Panel > Programs > Programs and Features > Turn Windows features on or off* and ensure the following features are enabled:



COPY FILES FROM \INSTALL\

Copy ICE_JNIRegistry.dll to C:\Windows\System32\
 You might need to move the file to the desktop and then move it to C:\Windows\System32\

OPEN INTERNET INFORMATION SERVICES (ISS) MANAGER

6. Note be sure to open ISS Manager by right-clicking and selecting "Run as Administrator."

7. Rename "Default Web Site" to "ShareCare"



8. Point the **Physical Path** to Z:\Cfml\ Click On basic settings

State 11 (1997)	(02) k4			
Internet information Services	(IIS) Manager			
← → ♦ ► ♦ ► ♦ ► ● ► CF20	018-9-0-0 + Sites + ShareCare +			😰 🖂 🏠 🔞 -
File View Help				
Connections	Character III			Actions
2	ShareCare Ho	ome		🔉 Explore
✓ GE2018-9-0-0 (CF2018-9-0)	-0\ Filter:	Go - Show All Group by:		Edit Permissions
Application Pools	Edit Site		? >	< Edit Site
> 😜 ShareCare	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Bindings
	Site name:	Application pool:		Basic Settings
	ShareCare	DefaultAppPool	Select	View Applications
				View Virtual Directories
	Physical path:			anage Website 🔗
	Z:\Cfml			Restart
	Pass-through authentication			Start
				Stop
	Connect as Test Settings			Browse Website
		Browse *:80 (http)		
		ОК	Cancel	Advanced Settings
				Configure
	CGI			Limits
	Authentic CGI C	ompression Default Directory		HSTS
		Document Browsing		Help
		🖛 🛣 🗐	~	
<	Features View Content	View		
Ready				G #

9. Change the **Log File directory** to Z:\Logs\IIS\ (Create the folders on the Z: drive). Double click the "Logging" icon in the "IIS" section.

1 Internet Information Services (IIS)	Manager	- 🗆 X
← → ● V-TEST → Sites	> ShareCare >	🔯 🖂 🏠 🔞 •
<u>File V</u> iew <u>H</u> elp		
Connections Connections ✓ · ♥ / TEST (V-TEST\Tim) ← ② Application Pools ✓ · ♥ ShareCare	Logging Use this feature to configure how IIS logs requests on the Web server. One log file per Stee Format Use File Format Encoding: IntEl® Configure IntEl® Configure IntEl® Configure IntEl® Configure IntEl® Configure IntEl® Configure IntEl® Configure Con	Actions Part Apply Cancel Disable View Log Files P Heip
Configuration: 'localhost' applicationH	lost.config , <location path="ShareCare"></location>	• <u>1</u> .:

- 10. Create a Virtual Directory "Custom" pointing to Z:\Custom\
 - Right-click on the "ShareCare" site in the left-hand panel and click "Add Virtual Directory."

💐 Internet Informat	ion Services (IIS) Manager	
< → <	CF18-9-0-0 ►	
File View Help	,	
Connections		
2		
CF18-9-0-0 (C	F18-9-0-0\Tim) n Pools	Filt
> ShareC	are	
	Explore	
	Edit Permissions	Aut
1	Add Application	
2	Add Virtual Directory	
	Edit Bindings	Pa
	Manage Website	► IIS
4 9	Refresh	
×	Remove	
	Rename	Aut
1	Switch to Content View	
Add Virtual Directory		? ×
Site name: ShareC Path: /	lare	
<u>A</u> lias:		
Custom		
Example: images		
Z:\Custom		
Pass-through authen	tication	
<u>C</u> onnect as	Test Settings	
	ОК	Cancel

- Right-click on the new "Custom" Virtual Directory and edit permissions to set to Read-only.
- 11. Create a **Virtual Directory** "Training" pointing to Z:\Training\ with read-only access See instructions for "Custom" above, substituting "Training."
- 12. For the "ShareCare" site setup content expiration under HTTP Response Headers:

For web site content expiration, select **Expire immediately** Click on and highlight the "ShareCare" Site Double click on the "HTTP Response Headers" icon Click "Set Common Headers" in the right-hand pane

📬 Internet Information Services (IIS) Manag	er	- 🗆 ×
← → ● ► CF2018-9-0-0 ► Sites	ShareCare	📴 🔤 🏠 🔞
File View Help		
Connections	HTTP Response Headers Us Set Common HTTP Response Headers C C C C C C C C C C C C C	Actions Add Set Common Headers Help
Configuration: 'ShareCare' web.config		•

13. For folders:

Sharecare/General/Spellcheck_com, ShareCare/Custom, ShareCare/Training

Disable content expiration: Remove the check from "Expire Web Content."

Click on and highlight the folder in the left-hand pane. (Repeat for each folder.) Double click on the "HTTP Response Headers" icon.

Click "Set Common Headers" in the right-hand pane.

14. For folders:

ShareCare/General/CascadingStyleSheets, ShareCare/Images, ShareCare/JavaScript:

Web site content should select Expire after and enter 1 Hour(s)

Click on and highlight the folder in the left-hand pane. (repeat for each folder) Double click on the "HTTP Response Headers" icon.

Click "Set Common Headers" in the right-hand pane.

15. IIS Manager > Application Pools > Add ShareCare

Click on and highlight "Application Pools" in the left-hand pane on the 2nd line. Click on "Add Application Pool" in the right-hand pane. Fill it out, as shown below:

Fill it out, as shown below:

휔 Internet Information Services (IIS) Manager		- 🗆 ×
← →	ls	📴 🖂 🟠 🔞 •
File View Help		
Connections	Andlication Pools Add Application Pool Application Pool Papelication	Actions Add Application Pool. Set Application Pool Defaults Halp
Ready		6 1 .

Click on "Advanced Settings" and set the Identity to "LocalSystem."

16. Set system.webServer/security/requestFiltering - requestLimits - maxAllowedContentLength

💐 Internet Information Services (IIS) Manager				- 🗆 X
← → ● + CF2018-9-0-0 + Sites + S	ShareCare	•		🖬 🖂 🟠 🔞 •
File View Help				
nie view niep				
Connections 2		Configuration Editor		Actions
✓ CF2018-9-0-0 (CF2018-9-0-0\Tim)	Se	ection: system.webServer/security/requestFiltering	From: ShareCare Web.config	R Cancel
Application Pools			,	8
V 🧃 Sites	~	/ Deepest Path: MACHINE/WEBROOT/APPHOST	/ShareCare	Cenerate Script
> 😔 ShareCare		allowDoubleEscaping	False	Configuration
		allowHighBitCharacters	True	Search Configuration
		alwaysAllowedQueryStrings	(Count=0)	Section
		alwaysAllowedUrls	(Count=0)	Jection
		denyQueryStringSequences	(Count=0)	Revert lo Parent
		denyUrlSequences	(Count=0)	Lock Section
	>	fileExtensions		'maxAllowedContentLength
		filteringRules	(Count=0)	'Attribute
	>	hiddenSegments		Lock Attribute
		removeServerHeader	False	A Help
	~	 requestLimits 		• map
		headerLimits	(Count=0)	
		maxAllowedContentLength	60000000	
		maxQueryString	2048	
		maxUrl	4096	
		unescapeQueryString	True	
	>	> verbs		
	C	naxAllowedContentLength Jata Type:uint		
		Features View 🔠 Content View		
Configuration: ShareCare Web.config				• <u>1</u> .:

1. Right-click on the "ColdFusion_2018_WWEJ_win64" icon and select "Run as Administrator."

(NOTE: CF 2018 Installer may want to install the C++ 2012 Redistributable package. If this happens, you should reboot the server and re-launch the installer.)



2. After the C++ 2012 Redistributable package install and subsequent reboot, you should again right-click on the "ColdFusion_2018_WWEJ_win64" icon

and select "Run as Administrator."



- 3. Click "Next."
- 4. Accept the terms and click "Next."
- 5. Enter your Serial Number, which is case sensitive, and Click "Next."
- 6. For the Installer Configuration options, select "Server configuration" and click "Next."



7. Fill out the next screen, as shown below. When complete, click "Next."



8. Sub-Component Installation, deselect all of them. Click "Next."



- 9. Do not enable any servlets Click "Next."
- 10. Leave the installation directory at C:\ColdFusion2018. Click "Next."
- 11. Leave the ColdFusion Server Port at 8500. Click "Next."

12. The Host Name / IP Address should match the name of your server. If it does not, then you need to address that issue. If it is what you expect, then click "Next."

Adobe® ColdFusion® 2018		– 🗆 X
	Perf	ormance Monitoring Toolset
Adde	Enter the hostname / DNS of th the hostname / DNS is access Performance Monitoring Toolst You can always change the val Administrator > Performance M	e ColdFusion server. Ensure that ible from the machine where et is installed. ues later in the ColdFusion lonitoring Toolset.
	Hostname / IP Address:	CF2018-9-0-0
InstallAnywhere Cancel		Previous Next

13. Set an **Administrator Password.** Use caution as you need this to Administer Cold Fusion. "Cut and paste" is your friend. Enter/Copy the password/Confirmation and Click "Next."

Adobe® ColdFusion® 2018	- 🗆 ×
	Administrator Credentials
Adobe	Enter the username and password that you will use to restrict access to the ColdFusion Administrator. Password should have at least 8 characters, 1 letter in upper case, 1 letter in lower case, 1 numeric, and 1 special character ($-15\%^8$ *()_=,./{]0}-@#).
	Username:
	admin
	Password:
	Confirm Password:
InstallAnvwhere	1
Cancel	Previous Next

- 14. Turn off "Automatically check for service updates." Click "Next."
- 15. Review the installation setup and click **Install.** The review screen does not provide any additional information.
- 16. When the Install completes, click **Done** running ColdFusion Administrator.

Recently added	Produ
Cf Web Server Configuration Tool	
실 About Java	
Check For Updates	Offi
Expand \checkmark	
3D Viewer	Mic
	Explo
Adobe ^	
Administrator	
Eicense License	Mic
Readme	
Cf SMS Client Application	
Web Server Configuration Tool New	Мо
Marms & Clock	

RUN ADOBE'S WEB SERVER CONFIGURATION TOOL

17. Right-click on "Web Server Configuration Tool" and select run as administrator. Click "Add."

🛃 Add Web Server Con	figuration ×
App Server Prope	rties
AppServer He	ost: localhost
AppServer Instan	nce: cfusion ~
AppServer Clus	ter: 🔍
Web Server Prope	erties
Web Server:	Internet Information Server (IIS) $$
Configuration Directory:	
Apache Virtual Host:	~
IIS WebSite:	All 🗸
	Total WebSites: 1 Configurable WebSites: 1
WebSite Load:	
	Configure 32 bit webserver
	Advanced
Performance Moni	toring Toolset Properties
Heartbeat In	terval in seconds: 30
L	OK Close

Click "High." Click "OK" – the CF Server then restarts itself.



Click "Exit."

18. Log into Cold Fusion Administrator; let it finish its setup, then exit.

REDIRECT COLDFUSION DIRECTORIES

- 1. Stop ColdFusion2018 Service
- 2. Drag the C:\ColdFusion2018\cfusion\wwwroot\WEB-INF\lib directory to the desktop.
- 3. Delete the directories:
 - C:\ColdFusion2018\cfusion\wwwroot\WEB-INF\classes
 - C:\ColdFusion2018\cfusion\wwwroot\WEB-INF\lib
- 4. Execute the Following from an Administrator command shell:
 - mklink /d C:\ColdFusion2018\cfusion\wwwroot\WEB-INF\classes Z:\cfml\WEB-INF\classes
 - mklink /d C:\ColdFusion2018\cfusion\wwwroot\WEB-INF\lib Z:\cfml\WEB-INF\lib
 - mklink /d C:\ColdFusion2018\cfusion\wwwroot\jsps Z:\cfml\jsps

COPY 9.0.0 LIBRARIES TO Z:\CMFL\WEB-INF\LIB

5. Copy the contents of the LIB directory (on your desktop) into Z:\cfml\WEB-INF\lib

REPLACE CONFIGURATION FILE SERVER.XML

6. Copy new version of server.xml to C:\ColdFusion2018\cfusion\runtime\conf\

ENVIRONMENTAL VARIABLES

7. Modify Path: Add "C:\ColdFusion2018\jre;C:\Java\ColdFusion2018\bin\" to the End.

8. Create CLASSPATH

Copy the Windows CLASSPATH section from Paths.txt and paste it into the definition of CLASSPATH.

CALIFORNIA ONLY SETUP: Add Certificate for EDI SSL Connection

- I. The following process installs the SSL certificate on the IIS/CF server to make available communications to Echo's SSL/IP to the SNA gateway.
- II. Copy: EDI_SSL2IP_Relay.cer to C:\
- III. Edit C:\ColdFusion2018\jre\conf\security\java.security
 - a. Find the string "DH keySize < 1024," and change it to "DH keySize < 768,"
 - b. *** This can be changed on the fly. ***
- IV. DOS Prompt> CD C:\ColdFusion2018\jre\lib\security
 - a. (NOTE: To open the Command (Cmd) window, always right-click. Select "Run as Administrator" from the sub-menu.
- V. Enter:
 - a. keytool –import –alias EDI_SSL2IP_Relay –file C:\EDI_SSL2IP_Relay.cer –keystore cacerts -storepass changeit
- VI. The Keytool process prompts, "Trust this certificate?" Select Yes.
- VII. Keytool then adds the certificate to the keystore.
- VIII. Check by listing the certificate:
 - a. keytool -list -v -keystore cacerts -alias edi_ssl2ip_relay -storepass changeit
- IX. Test the connection with the entry of this command line after the DOS Command prompt> a. Java ShareCare/CA_EDI_Client test

10. Start ColdFusion2018 Service

CONFIGURE COLDFUSION 2018

Run The Administrator to Configure the Server Settings:



1. Settings

- a. Uncheck Timeout requests After Seconds [60]
- b. Uncheck Enable HTTP Status Codes
- c. Maximum size of POST Data to 600MB (20MB)
- d. Maximum number of POST parameters to 5000 (100)
- e. Request Throttle Memory to 600MB (200MB)
- f. Be sure to click Submit before exiting

2. Request Tuning

a. Maximum number of simultaneous Template Requests [50] (25)

December 20

© The Echo Group, All Rights Reserved

- b. Timeout requests waiting in queue after [300] seconds (60)
- c. Be sure to click Submit before exiting

3. Caching, check:

- a. Trusted Cache
- b. Web Server paths
- c. Use internal cache to store queries.
- d. Be sure to click Submit before exiting

4. Add/Edit Mappings:

a. Add mapping from / to Z:\Cfml\

- 5. Scheduled Tasks Create 2 Parser scheduler jobs:
 - a. Enter Parser1 in Task Name box
 - Click "Daily every"
 - Enter 10 in the minutes box
 - Enter 12:00:00 AM in the start time box
 - Enter 07:00:00 AM in then end time box
 - Enter <u>http://localhost/scheduler/scheduler.cfm</u> in the URL box
 - Submit Changes
 - b. Enter Parser2 in Task Name box
 - Click "Daily every"
 - Enter 10 in the minutes box
 - Enter 05:00:00 PM in the start time box
 - Enter 11:59:00 PM in then end time box
 - Enter <u>http://localhost/scheduler/scheduler.cfm</u> in the URL box
 - Submit Changes
 - c. If you need DrFirst. Do the following for each DSN
 - Enter DrFirst(DSN) in Task Name box
 - Click "Daily every"
 - Enter 2 in the minutes box
 - Enter 12:00:00 AM in the start time box
 - Enter 11:59:00 PM in then end time box
 - Enter URL: http://Scheduler/rcopia.cfm?DSN=(dsn of environment's DB) in the URL box
 - Submit Changes

6. Java and JVM settings

- a. Set Maximum JVM Heap Size (in MB) to 3072 (512MB is default)
- b. Set Minimum JVM Heap Size (in MB) to 3072 (256MB is default)
- c. From file Paths.txt cut "ColdFusion Class Path" and paste it into "ColdFusion Class Path"
- d. From file Paths.txt cut "ColdFusion JVM Arguments and paste it into "ColdFusion JVM Arguments"
- e. Submit Changes

7. Data & Services

- a) Data Sources
- b) Register your system-specific data sources (May be skipped until the end)
- c) Redirector should be defined for everyone
- d) All your other data sources as defined on your current server
- e) Enable CLOB
- f) Enable BLOB
- g) Set Long Text Buffer to 128000
- h) Set BLOB Buffer to 128000
- i) Submit Changes

8. Debugging and Logging

a) >Debug Output Settings> enable Robust Exception Info; enable all the variables

• SUBMIT CHANGES

b) > Logging Settings Change Logging location to Z:\Logs\CF, maximum file size 1024, and maximum number of archives to 50 (10); Check Log slow pages taking longer than 30 seconds. (Note, if this is a clustered environment leave the logging location set to the default location.)

• SUBMIT CHANGES

9. Extensions

- a) CFX Tags
 - Register C++ CFX
 - Point tag name "CFX_Hash" to server library Z:\CFX\CF_Hash.dll
 - Point tag name "CFX_ShellExec" to server library Z:\CFX\CFX_ShellExec.dll
- b) Custom Tag Paths
 - Delete any "Current Custom Tag Paths" mapping
 - Add Z:\Tags\ as a new path

10. Restart the ColdFusion server.

CONFIGURE SHARECARE DATASOURCE REGISTRY

The ShareCare Datasource Registry must be configured for each Database except the redirector. From the ShareCare application:

1. Navigate to Administration > IT > Configuration > Datasource Registry

🤗 Warning - Confidential Data - Echo - Internet Explorer			-		×		
ShareCare					Update	• F	lelp
Main Menu	System Id contracos	sta <mark>Data Source</mark> co	ontracosta				
Access Access Reports Clinical	VHR Setup Configuration	on Reporting [me Zone * Data	atabase Crysta	Variables C	Coldfusion Lo	gs U UD	<►
Clinical Reports Fiscal Fiscal Reports Administration	The Datasource Regi	stry settings hav	e not been confi	igured.			^
Security System Feed Source Repository Download Eligibility Import Data Tools	Java processes rely be able to run until a	on this setting to database userna	connect to the o me and passwo	database; no rd have been	Java proces entered.	sses w	rill
Data Merge Home Page Job Monitor	Username	\$ts4scdb2acces	s				
IT Auditing Admin Reports	Password Verify Password	••••••	••				
Implementation Custom Reports	Admin Password	•••••					
echocsm							
contracosta MH, AOD, MCO Advanced Mode October 28, 6:30am							~
9.0.0 2020.10.24							

2. Enter the required credentials:

- Username Enter the ShareCare DB username.
- Password Enter the ShareCare DB password.
- Verify Password Enter the ShareCare DB password again.
- Admin Password Enter the ColdFusion2018 Administrator password. This was created in step 13 of the *Install Cold Fusion 2018* section above.
- 3. Click *Update* to save these Datasource Registry settings. Repeat for each database except the redirector.

<i>e</i> Warning - Confidentia	al Data - Echo - Internet Explorer — 🛛	×
ShareCare	Clear H	lelp
Main Menu	System Id CA07 Data Source CA07	
Access Access Reports Clinical Clinical Banata	VHR Setup Configuration Reporting Database Crystal Variables Coldfusion Logs DrFirst Integration Time Zone Datasource Registry Redirector Report Setup	
Clinical Reports Fiscal Reports Administration User Passwords Security System Feed Source	The Datasource Registry has been configured and verified.	^
Repository Download Eligibility Import Data Merge Data Tools Home Page Job Monitor	Datasauras Dozistas Undated	~
Π	Datasource Registry Opdated	