Installing Multiple Versions of ColdFusion Together

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Online ColdFusion Meetup
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Who Am I?

- ColdFusion Developer for 14 yrs
- Independent consultant for 10 yrs
- Currently a Web Developer for the

Free Library of Philadelphia (freelibrary.org)

- Passion for Libraries

Installing Multiple Versions of ColdFusion Together

- Why and How?
- Requirements
- Things you need to know
- Installation Steps
- Configuration
- Managing your Services
- What else you can do

Why and How?

Why

- Try out the new version before committing
- Code in different versions for different projects

How

- ColdFusion has been built on top of Java since version 6
- The multi-server installation separates the Java engine from the ColdFusion server

Requirements

Three things required to run ColdFusion

- Web Server (built-in, IIS, Apache)
- Java Engine (JRun, Tomcat, any J2EE engine)
- ColdFusion Instance (built-in, EAR/WAR file)

Things you need to know

- Install the newest version first
  - That way you have the most up to date version of the Java engine
- Older versions should work on the newest version of Java, but aren't guaranteed
- Consult the ColdFusion documentation
  - documentation can be *very* confusing

Installation Steps

Install CF9 as Multiserver
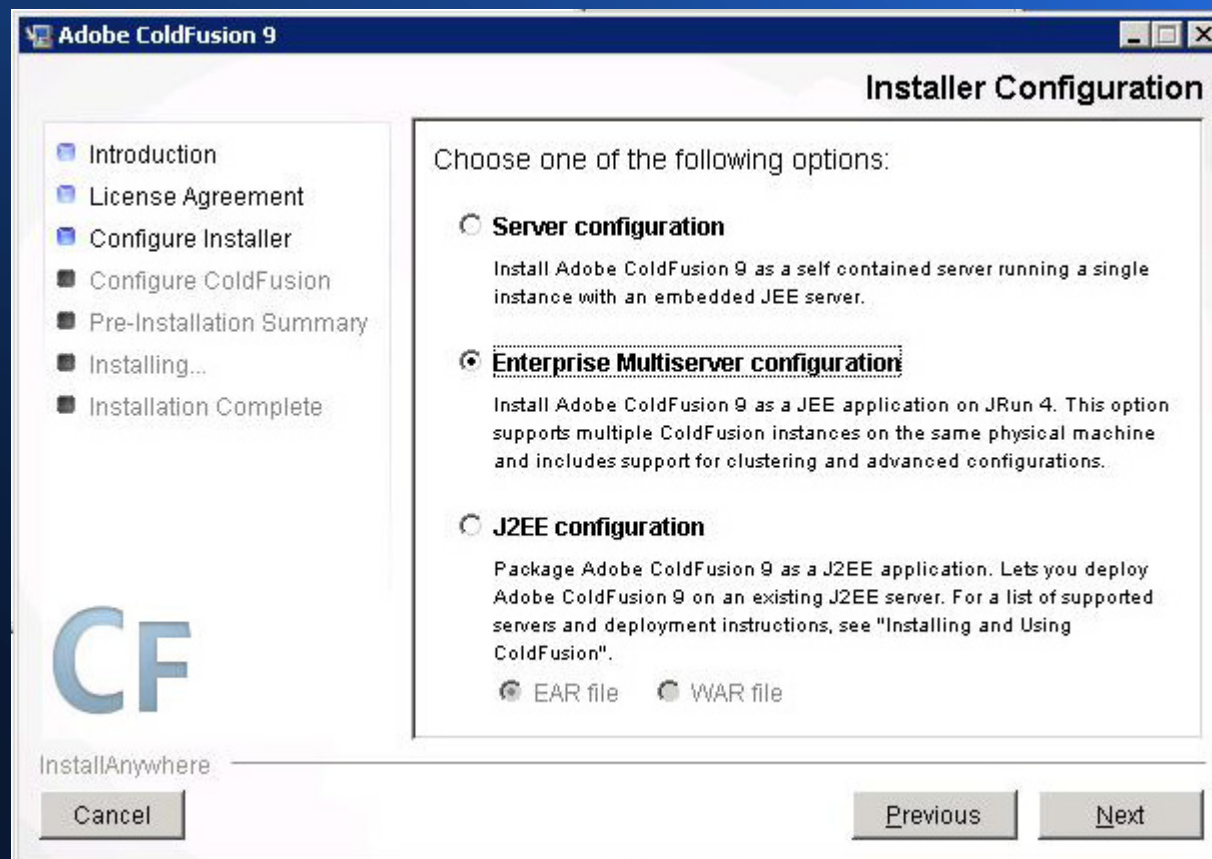
Installation Steps

Only install the services you need
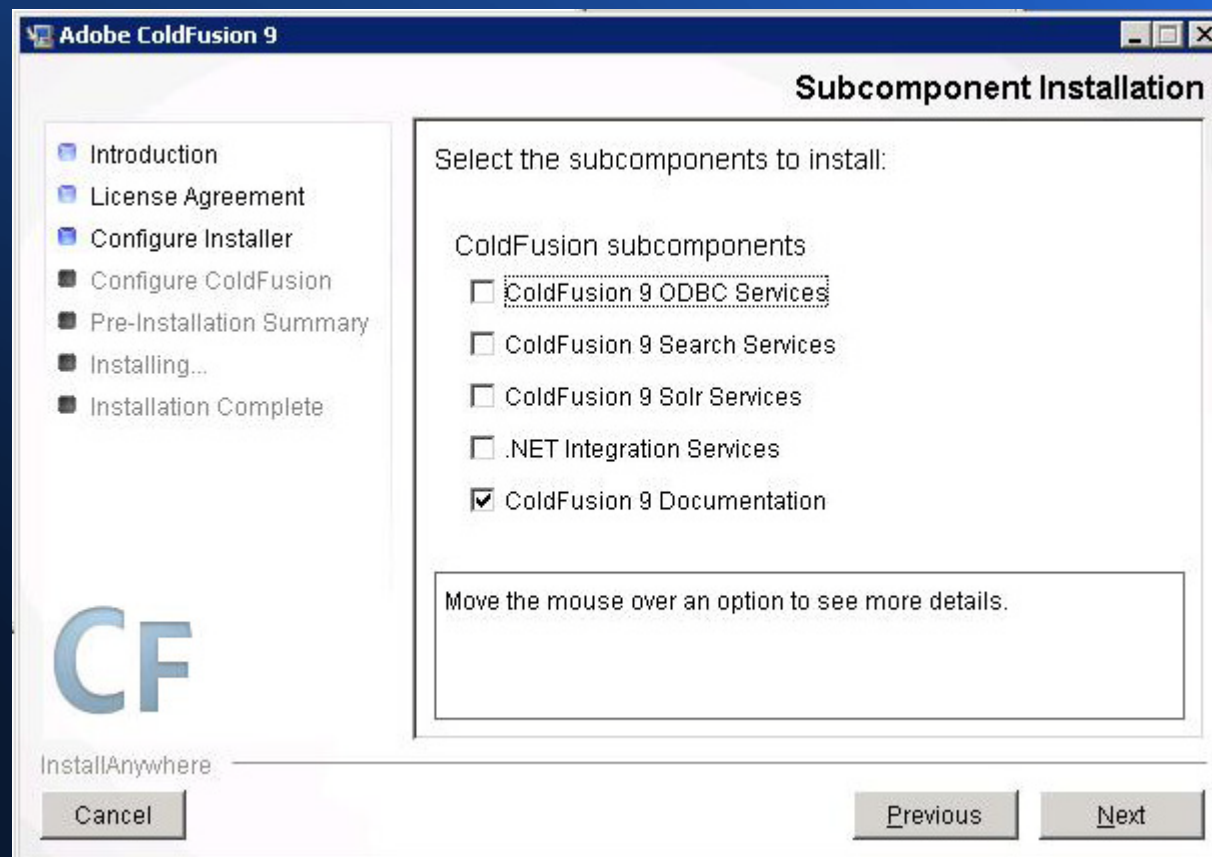
Installation Steps

CF9 installation:

- Multiserver is installed under C:\JRun4

- Use the built-in web server.

- Enter an RDS password to connect from an IDE
  (CFBuilder, DW, etc.)

Finish the installation by Launching the Configuration Wizard into the CF Admin

Installation Steps

From the CF9 admin, find the Instance Manager

Installation Steps

Add a new CF9 instance

Installation Steps

CF9 is complete!

Installation Steps

Install CF8 *(and all other versions)* as a J2EE EAR
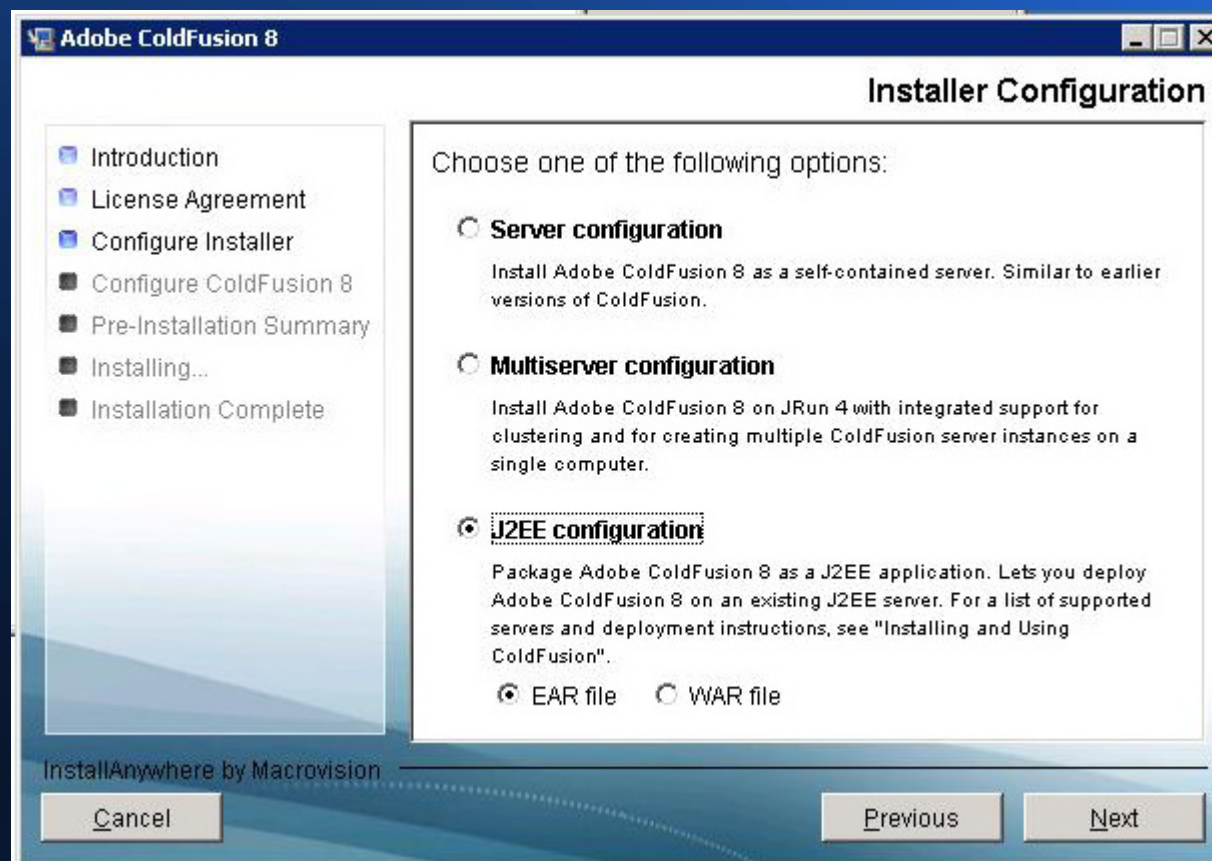
Installation Steps

Don't enter a context root, unless needed

Installation Steps

Select the defaults for the remaining options
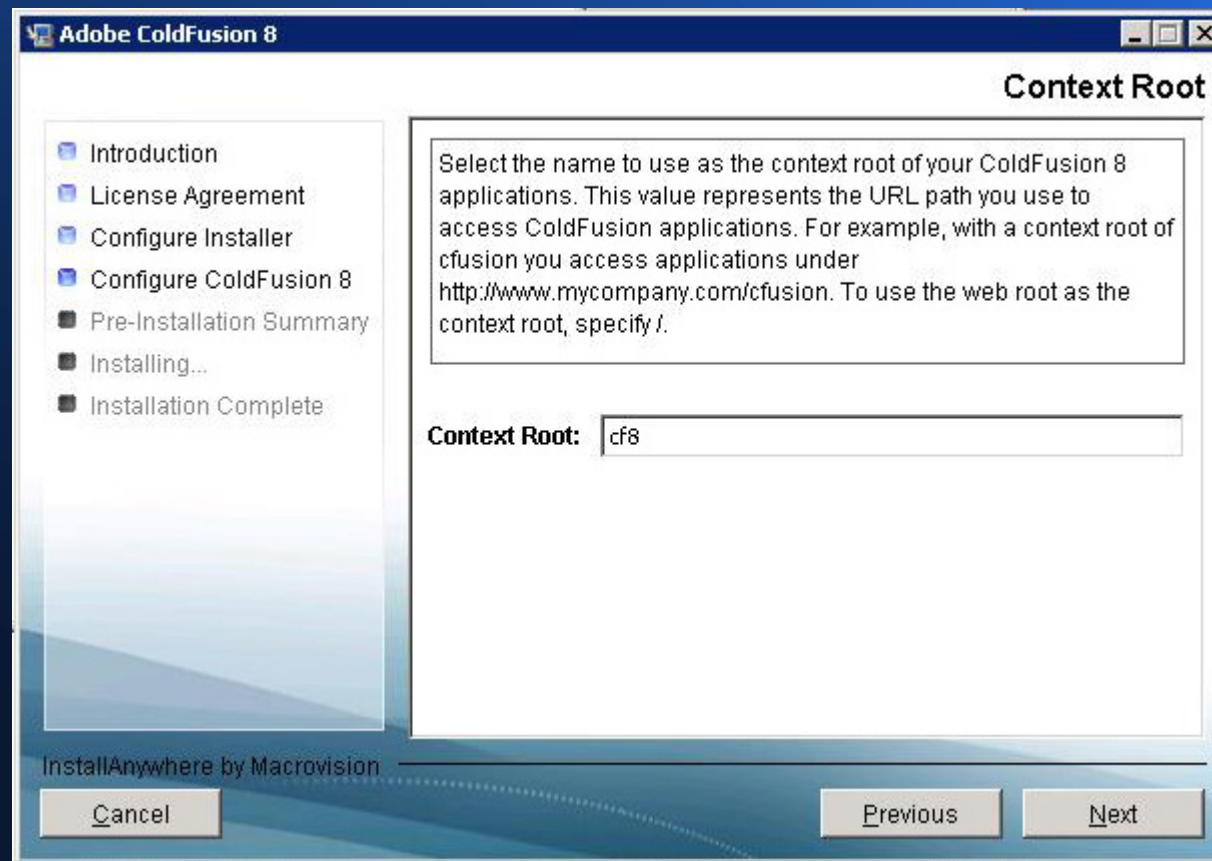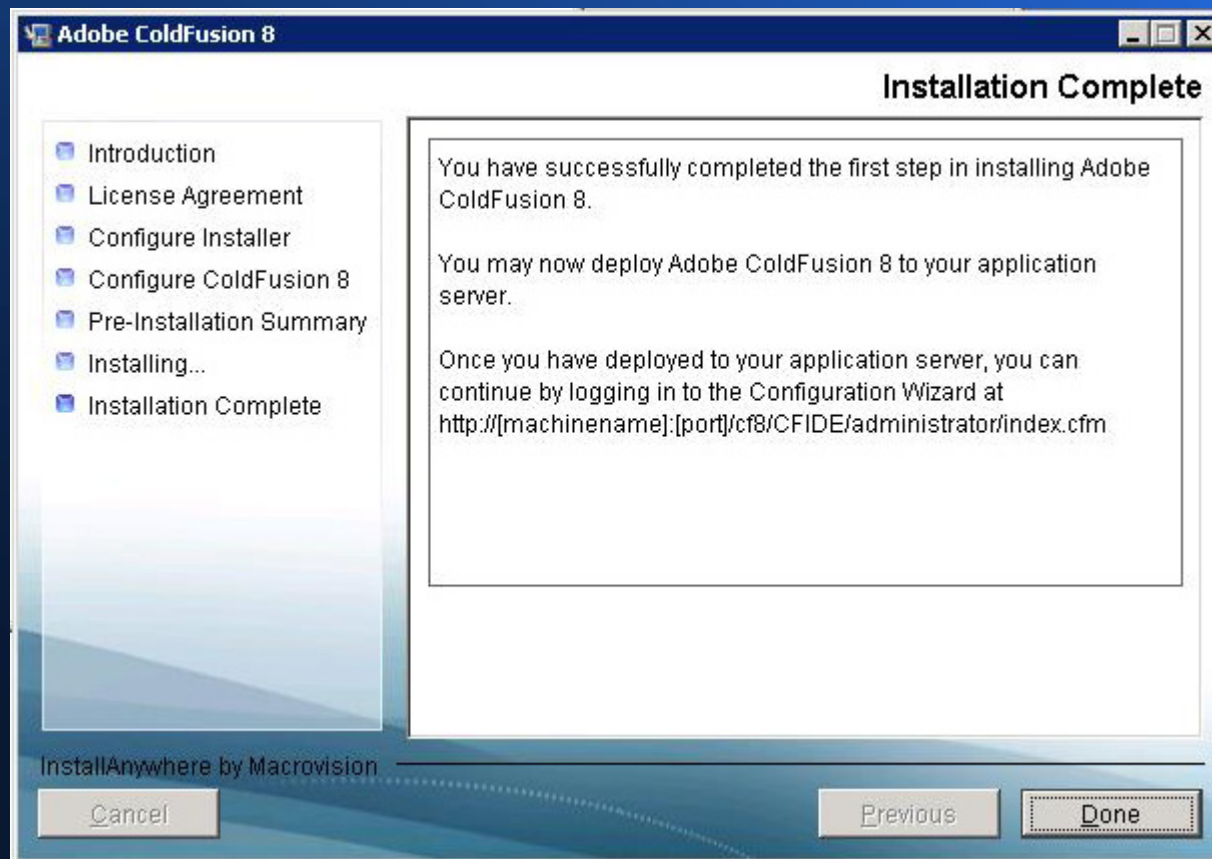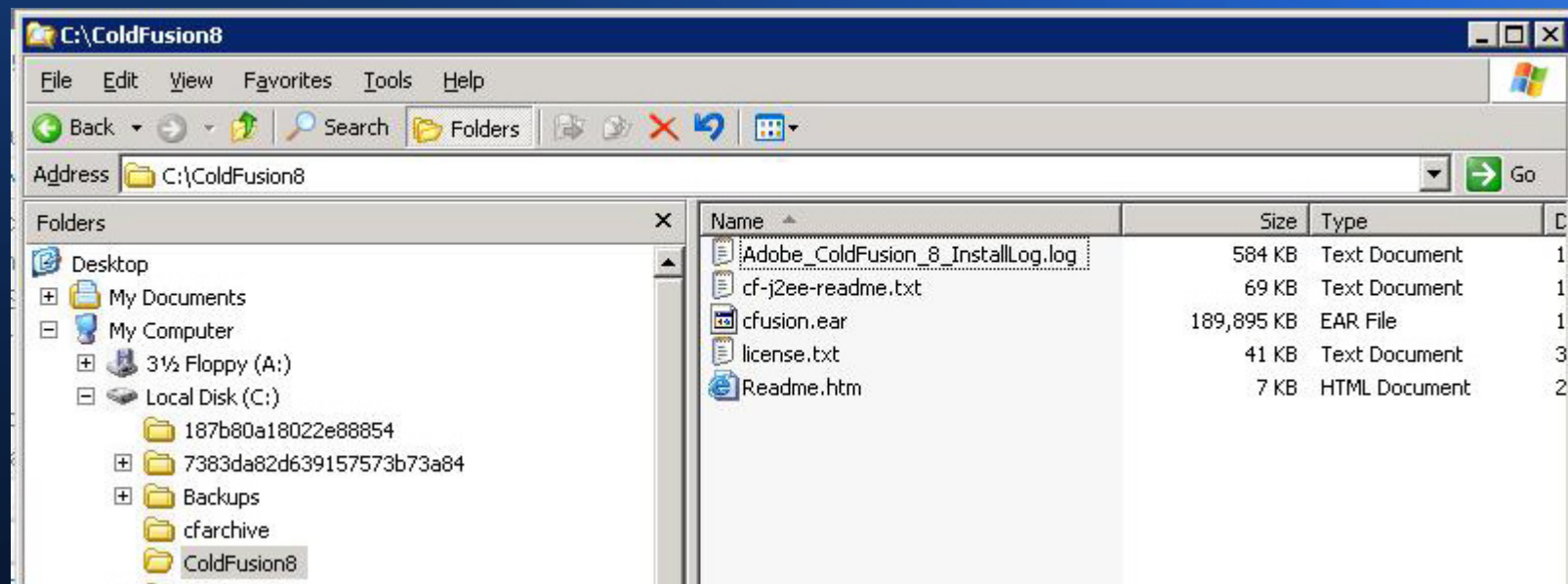
Installation Steps

CF8 EAR file is created in C:\ColdFusion8

Installation Steps

From the CF9 root admin, Add another Instance

Installation Steps

Presto!

Configuration

Each instance has its own CF admin

Root: http://localhost:8300/cfide/administrator/

CF9: http://localhost:8301/cfide/administrator/

CF8*: http://localhost:8302/cfide/administrator/

*Instances created from EAR/WAR files *may* have a context root
http://localhost:8302/{context root}/cfide/administrator/*
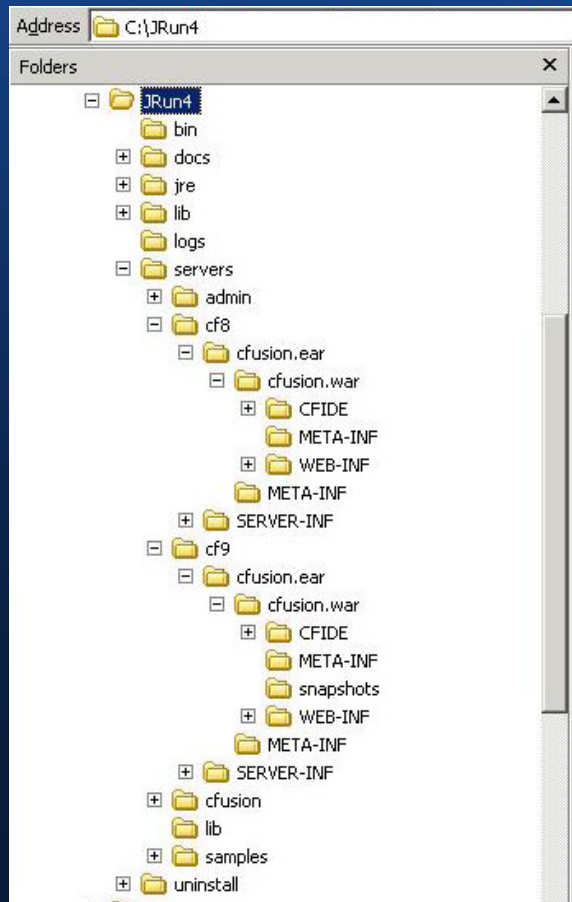
Configuration

- Web root directories are located under c:\JRun4\servers\ {instance name}\ cfusion.ear\cfusion.war

Configuration

Use the Web Server Configuration Tool* to connect the instances to the web server** of your choice.

(IIS, Apache, etc)

* Read the documentation

** Research your server setup
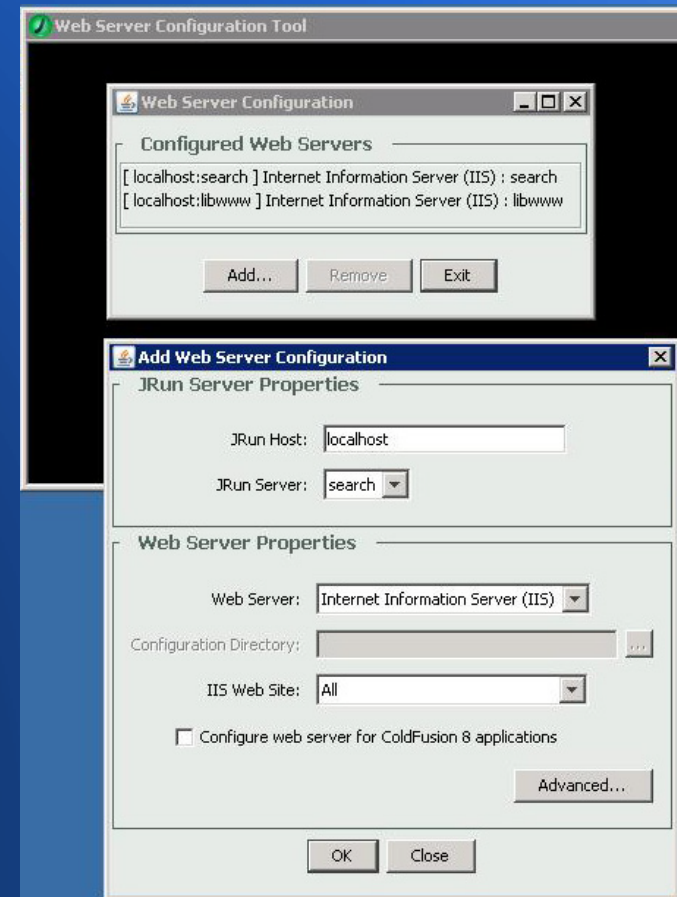
Managing your Services

Root services (CF9)

Services for CF Instances

Managing your Services

Possible Additional Services:

- ColdFusion # ODBC Agent *(MS Access)*
- ColdFusion # ODBC Server *(MS Access)*
- ColdFusion # Search Server *(Verity)*
- ColdFusion 9 Solr Service

* Verity & Solr can be installed independently at a later time

http://www.adobe.com/support/coldfusion/downloads.html

Managing your Services
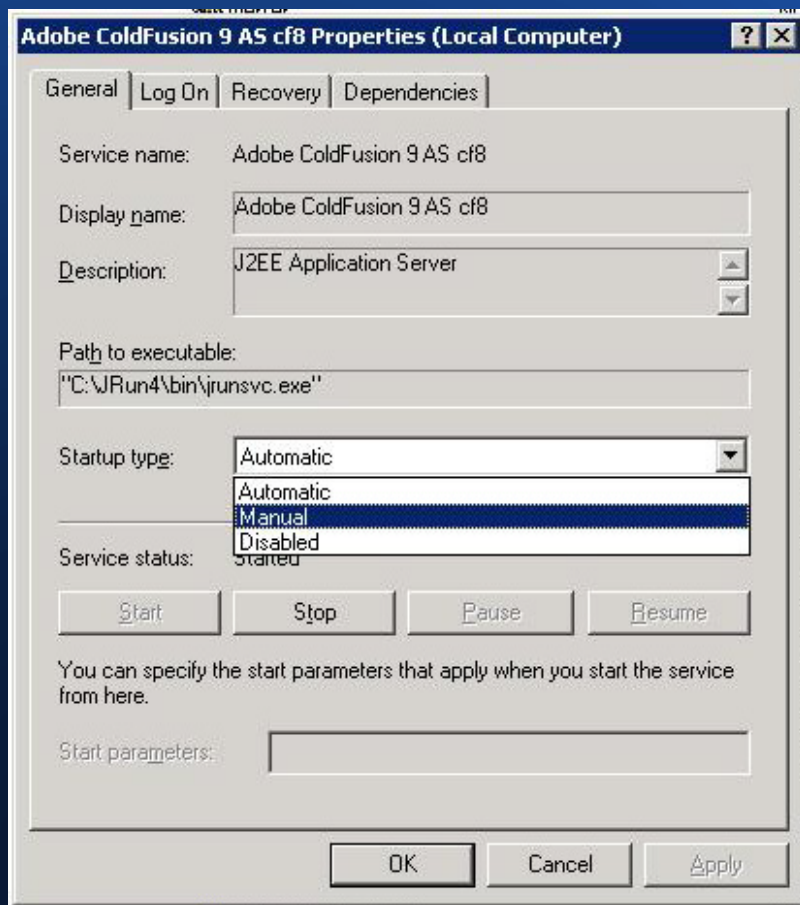
- Development:

  Set the startup type to 'Manual' for all ColdFusion services

- Production:

  Stop the cfusion and admin instances, set to 'Manual'

What else you can do

- Connect CFBuilder to the CF instances
- Install Railo and Open BD as CF instances
- Create WAR files with server configuration settings for rapid deployment
- Upgrade the JVM engine to get the most up to date Java patches
- Tune CF settings to optimize performance

Links

ColdFusion and J2EE application servers: http://tinyurl.com/ye9jupx

Using Multiple Server Instances: http://tinyurl.com/yf7t3kn

Mike Henke – Multiple ColdFusion Versions and Engines on Adobe ColdFusion with
    JRUN: http://tinyurl.com/2bck74e

Engines:

CF9: http://www.adobe.com/cfusion/tdrc/index.cfm?product=coldfusion

CF8: http://www.adobe.com/cfusion/tdrc/index.cfm?product=coldfusion8

CF7: http://www.adobe.com/cfusion/tdrc/index.cfm?product=coldfusion7

Railo: http://www.getrailo.org/index.cfm/download/

Open BlueDragon: http://www.openbluedragon.org/download.cfm