

Controller Services

DebuggerService

ModulesService

InterceptorService

ExceptionHandler

PluginService

HandlerService

RequestService

Security Interceptor Property

useRegex [boolean=true]

rulesSource [string=xml, db, ioc, ocm, model]

queryChecks [boolean=true]

preEventSecurity [boolean=false]

validator [classpath]

validatorIOC [bean name]

validatorModel [model name]

SES Interceptor Properties

configFile relative or absolute routes file
defaults to (config/Routes.cfm)

Coldbox Interception Points

afterConfigurationLoad()

afterAspectsLoad()

afterPluginCreation() *

▶ pluginPath, custom, oPlugin

afterHandlerCreation() *

▶ handlerPath, oHandler

afterModelCreation() *

▶ modelName, oModel

applicationStart()

applicationEnd()

Coldbox Interception Points (cont)

onInvalidEvent()

▶ invalidEvent, override, ehBean

onException() *

▶ exception

onReinit()

preProcess()

postProcess()

preEvent()

▶ processedEvent

preLayout()

preProxyResults()

preRender() *

▶ renderedContent

postEvent() *

▶ processedEvent

postRender()

preViewRender()

▶ View, cache, cacheTimeout, cacheLast-
AccessTimeout, cacheSuffix, module

postViewRender()

▶ View, cache, cacheTimeout, cacheLast-
AccessTimeout, cacheSuffix, module,
renderedView

sessionStart()

sessionEnd()

* Has intercept data

Sample Plugin

```
component{
    function init(){
        set Plugin -
        Name(" MyP lugin");
        set Plugin -
        Ver sio n(" 1.0");
        set Plugin -
        Des cri pti on("My Plu gin");
        set Plugin -
        Aut hor ("Y our Name");
        set Plugin -
        Aut hor URL ("w ww.m y.c om");
    }
}
```

Sample Interceptor

```
component{
    function configure(){
        //c onf igure
        properties here
    }
    //m ethod = interc -
    eption point
    function prePro ces -
    s(i nte rce ptD ata ,ev ent){
    }
}
```

Framework Supertype

\$abort(), \$dump(), \$htmlhead(),
\$include(), \$throw(), \$rethrow()
addAsset(assetList)
announceInterception(state, [interceptData])
getColdBoxOCM([cachename])
getController()
getDatasource(alias)
getDebugMode()
getfwLocale()
getInterceptor(name)
getModel(name, [dsl], [initArguments])
getMailSettings()
getMailService()
getNewMail()
getMyPlugin(plugin, [newInstance])
getPlugin(plugin, [customPlugin], [newIn-
stance])
getResource(resource, [default], [locale])
getSetting(name, [fwSetting])
getSettingsBean()
getSettingStructure([fwSetting], [DeepC-
opyFlag])
includeUDF(udfLibrary)
persistVariables(persist, [persistStruct])
populateModel(model, scope, trustedSetter,
include, exclude)
renderExternalView(view)



By TheNewCoke
(TheNewCoke)

cheatography.com/thenewcoke/

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Page 1 of 4.

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Framework Supertype (cont)

renderLayout(layout)
renderView([view], [cache], [Timeout], [LastAccessTimeout])
runEvent(event, [prepostExempt], [private])
setDebugMode(mode)
setNextEvent(event, [queryString], [addTo-
 ken], [persist], [persistStruct], [ssl],
 [baseUrl], [postProcessExempt], [URL],
 [URI], [statusCode])
setSetting(name, value)
setFWLocale(locale)
settingExists(name, [fwSetting])

Interceptor Methods

configure()
getProperties(properties)
setProperties()
getProperty(name)
setProperty(name, value)
propertyExists(name)
unregister(state)
clearBuffer()
appendToBuffer(string)
getBufferString()
getBufferObject()

Render Datatypes

json, jsonp, jsont, xml, pdf, wddx, text, plain,
 html

Renderer Plugin

renderView(view, cache, cacheTimeout,
 cacheLastAccessTimeout, cacheSuffix,
 module, args, collection, collectionAs)
renderLayout(layout, view, module, args)

Cachebox Interception Points

afterCacheElementInsert()
 ▶ Cache, cacheObject, cacheObjectKey,
 cacheObjectTimeout, cacheObjectLastAcc-
 essTimeout
afterCacheElementRemoved()
 ▶ Cache, cacheObjectKey
afterCacheElementExpired()
 ▶ Cache, cacheObjectKey
afterCacheElementUpdated()
 ▶ Cache, cacheNewObject, cacheOldO-
 bject
afterCacheClearAll()
 ▶ Cache
afterCacheRegistration()
 ▶ Cache
afterCacheRemoval()
 ▶ Cache (name)
beforeCacheRemoval()
 ▶ Cache
beforeCacheReplacement()
 ▶ oldCache, newCache
afterCacheFactoryConfiguration()
 ▶ cacheFactory
beforeCacheFactoryShutdown()
 ▶ cacheFactory
afterCacheFactoryShutdown()
 ▶ cacheFactory
beforeCacheShutdown()
 ▶ cache
afterCacheShutdown()
 ▶ Cache

Request Context Common Methods

buildLink(linkto, [translate], [ssl],
 [baseUrl], [queryString])
clearCollection()
collectionAppend(collection, [overwrite])
getCollection([DeepCopyFlag], [private])
getCurrentAction()
getCurrentEvent()
getCurrentHandler()
getCurrentLayout()
getCurrentModule()

Request Context Common Methods (cont)

getCurrentRoute()
getCurrentRoutedURL()
getCurrentView()
getDefaultLayout()
getDefaultView()
getEventName()
getHTTPHeader(header, [default])
getHTTPMethod()
getModuleRoot()
getSESBaseURL()
setSESBaseURL()
getSize()
getTrimValue(name, [default], [private])
getValue(name, [default], [private])
isAjax()
isProxyRequest()
isSES()
isSSL()
noExecution()
noRender([remove])
overrideEvent(event)
paramValue(name, value, [private])
renderData(type, data, [contentType],
 [encoding], [statusCode], [statusText],
 [jsonCase], [jsonQueryFormat], [jsonA-
 sText], [xmlColumnList], [xmlUseCDATA],
 xmlListDelimiter], [xmlRootName])
removeValue(name, [private])
setHTTPHeader(statusCode, statusText,
 name, value, charset)
setLayout(name)
setValue(name, value, [private])
setView(name, [noLayout], [cache], [cache-
 Timeout], [cacheLastAccessTimeout],
 [cacheSuffix], [layout])



By **TheNewCoke**
 (TheNewCoke)

cheatography.com/thenewcoke/

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Request Context Common Methods (cont)

`valueExists(name, [private])`
`showDebugPanel(boolean)`

Received as `event` to event handlers

Controller Common Methods

`getAppRootPath()`
`getCacheBox()`
`getLogBox()`
`getWireBox()`
`getColdboxOCM([name])`
`getColdboxSettings()`
`getConfigSettings()`
`getPlugin(plugin, [customPlugin], [newInstance])`
`get{ServiceName}()`
`getSettingStructure([fwSetting], [DeepCopy-Flag])`
`getSetting(name, [fwSetting])`
`persistVariables(persist, [persistStruct])`
`runEvent(event, [prepostExempt], [private])`
`settingExists(name, [fwSetting])`
`setSetting(name, value)`
`setNextEvent(event, [queryString], [addToken], [persist], [persistStruct], [ssl], [baseUrl], [postProcessExempt], [URL], [URI], [statusCode])`

Sample Handler Code

```
component{
    any function index( event, rc, prc ){
        return "Hello";
    }
}
```

URL Actions (index.cfm?)

`fwreinit=1` or `{reinitPassword}`
`debugmode=true`
`debugpass={DebugPass}`
`fwcache=anything`

ColdBox Config

Coldbox (struct)
 Settings (struct)
 Conventions (struct)
 Environments (struct)
 loc (struct)
 WireBox (struct)
 Debugger (struct)
 mailSettings (struct)
 l18n (struct)
 Webservices (struct)
 Datasources (struct)
 LayoutSettings (struct)
 Layouts (array of structs)
 Cachebox (struct)
 Logbox (struct)
 InterceptorSettings (struct)
 Interceptors (array of structs)
 Modules (struct)
 Flash (struct)
 ORM (struct)
 Validation (struct)

Config Injected Vars

AppMapping
 Controller
 LogBoxConfig

SES Route Methods

`addRoute(*)`
`addModuleRoutes(pattern, module)`
`setBaseURL()`
`setUniqueURLS()`
`setAutoReload()`
`setExtensionDetection()`
`setValidExtensions()`
`setThrowOnInvalidExtension()`
`setLooseMatching()`

addRoute()

[pattern]
 [handler]
 [action]
 [matchVariables]
 [view]
 [viewNoLayout]
 [valuePairTranslation]
 [constraints]
 [module]

SES Routes

Default Pattern :handler/:action?
 :var ANY Placeholder
 :var-numeric Numeric
 :var-alpha Alpha
 :var{X} Limit by X
 ? = optional placeholder
 :regex() Limit by regex
 Valid Extensions: xml, json, jsont, html, htm, rss



By **TheNewCoke**
 (TheNewCoke)

cheatography.com/thenewcoke/

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Folder Conventions

Application.cfc
index.cfm (empty)
config
 ▶ Coldbox.cfc
 ▶ Routes.cfm
handlers
model
modules
layouts
views

Implicit Handler Events

preHandler,pre{Action}
postHandler,post{Action}
aroundHandler
around{Action}
onMissingAction

Handler Properties

This scope properties
event_cache_suffix
preHandler_only
preHandler_except
postHandler_only
postHandler_except
allowedMethods

Core Interceptors

Security
SES

Core Plugins

AntiSamy	Logger
ApplicationStorage	MailService
ClientStorage	MessageBox
ClusterStorage	ORMService

Core Plugins (cont)

CookieStorage	QueryHelper
DateUtils	Renderer
FeedGenerator	ResourceBundle
FeedReader	SessionStorage
FileUtils	Timer
i18n	Utilities
IOC	Validator
JavaLoader	Webservices
JSON	XMLConverter
JVMUtils	Zip



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