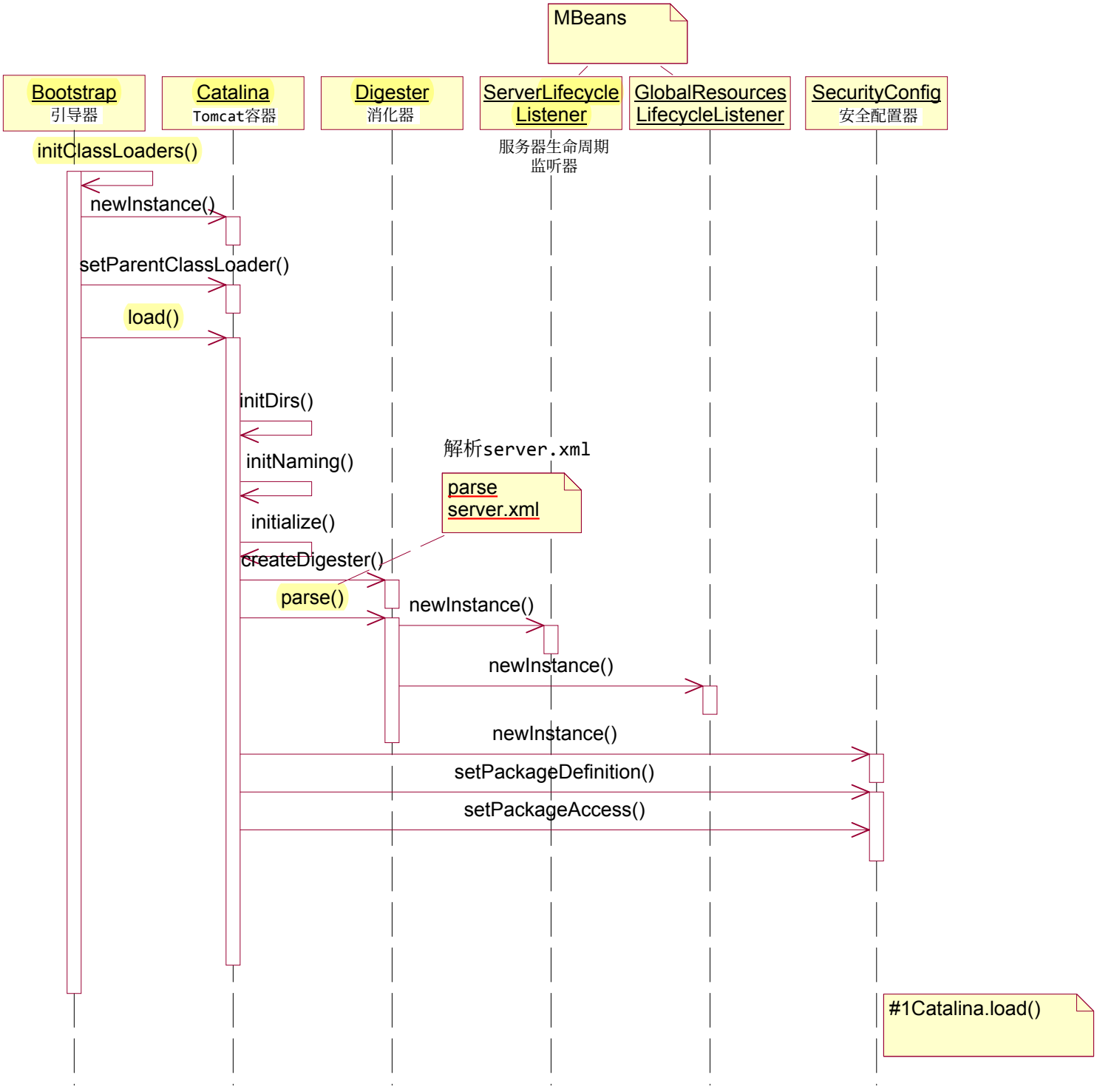
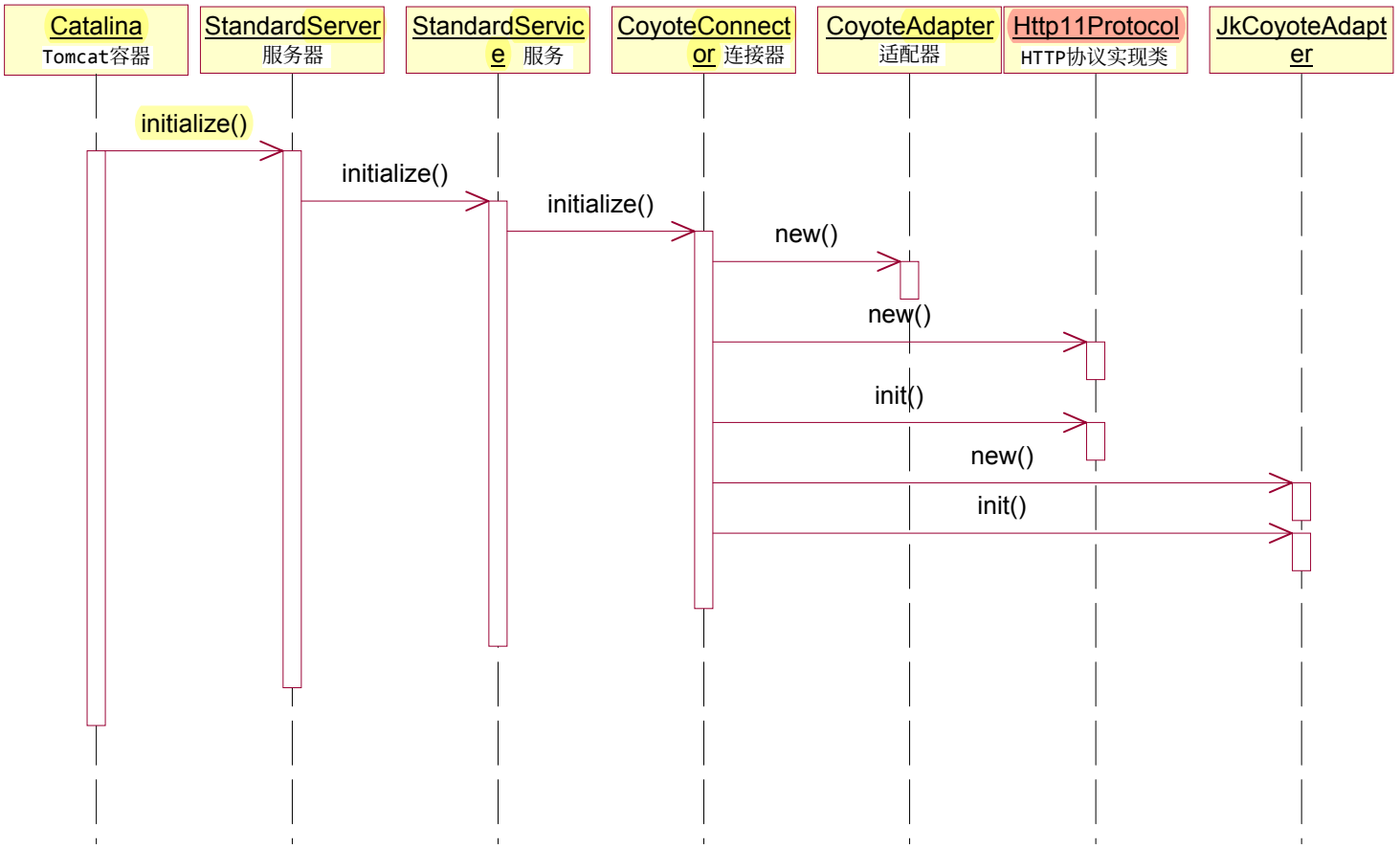
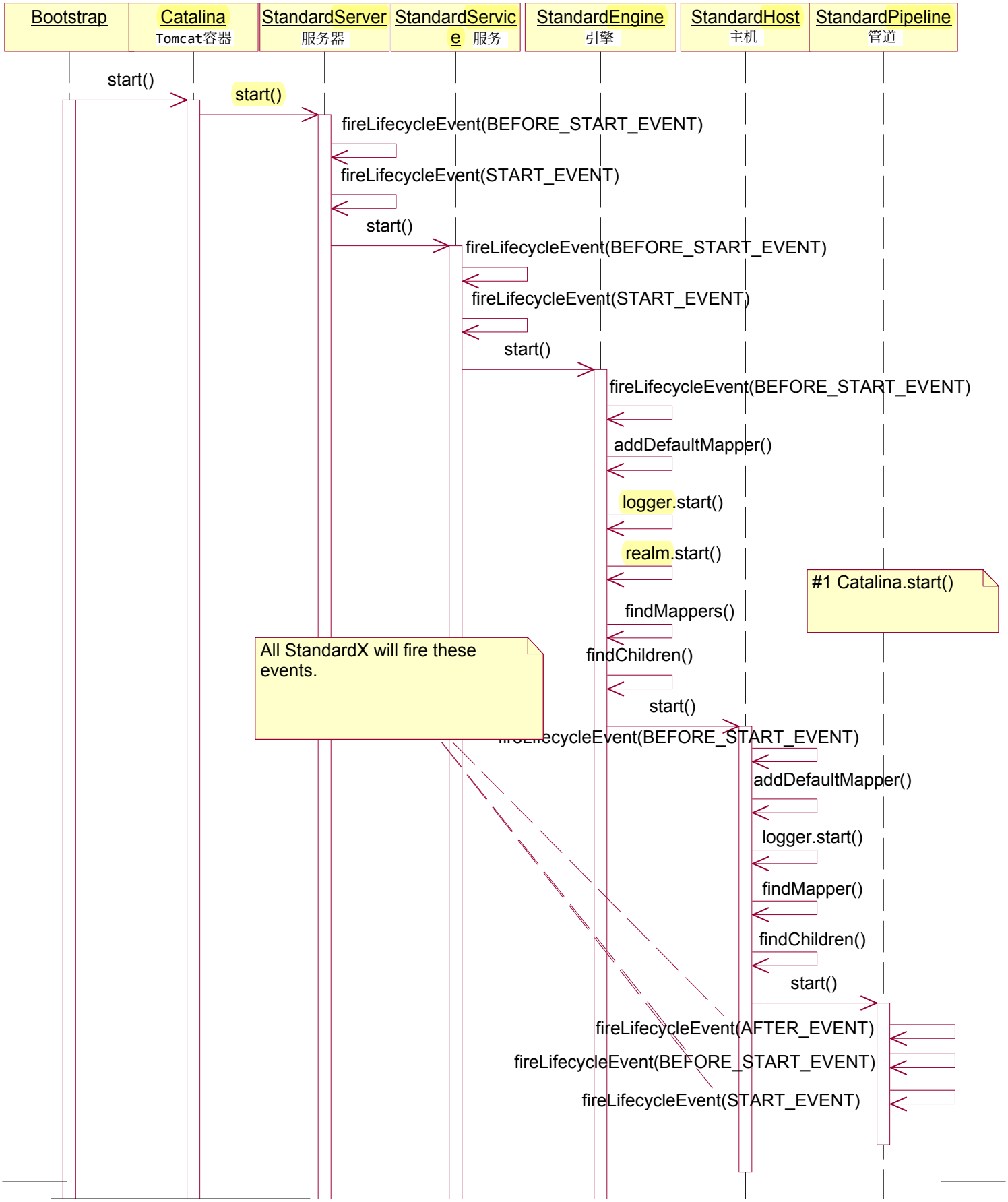
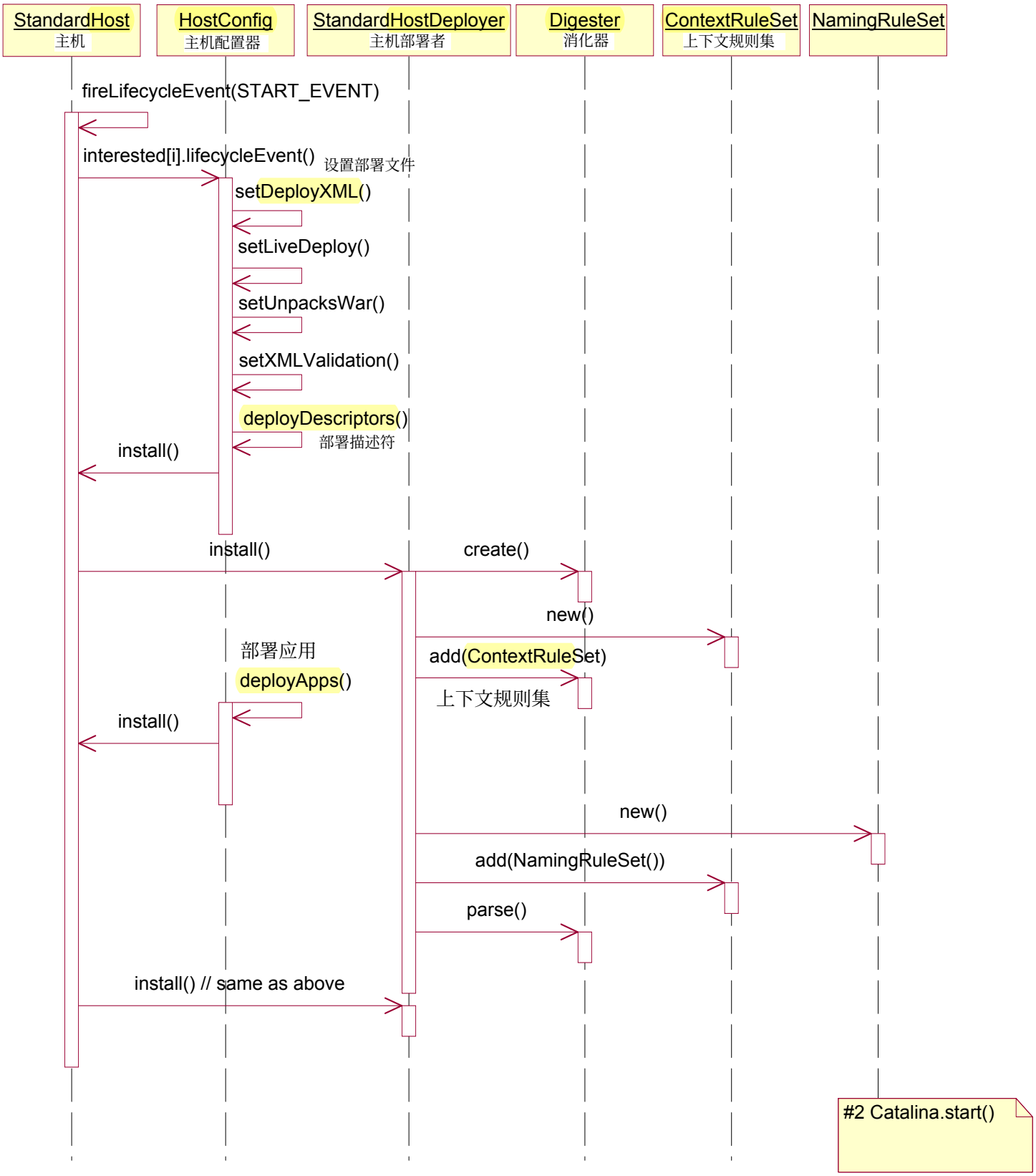
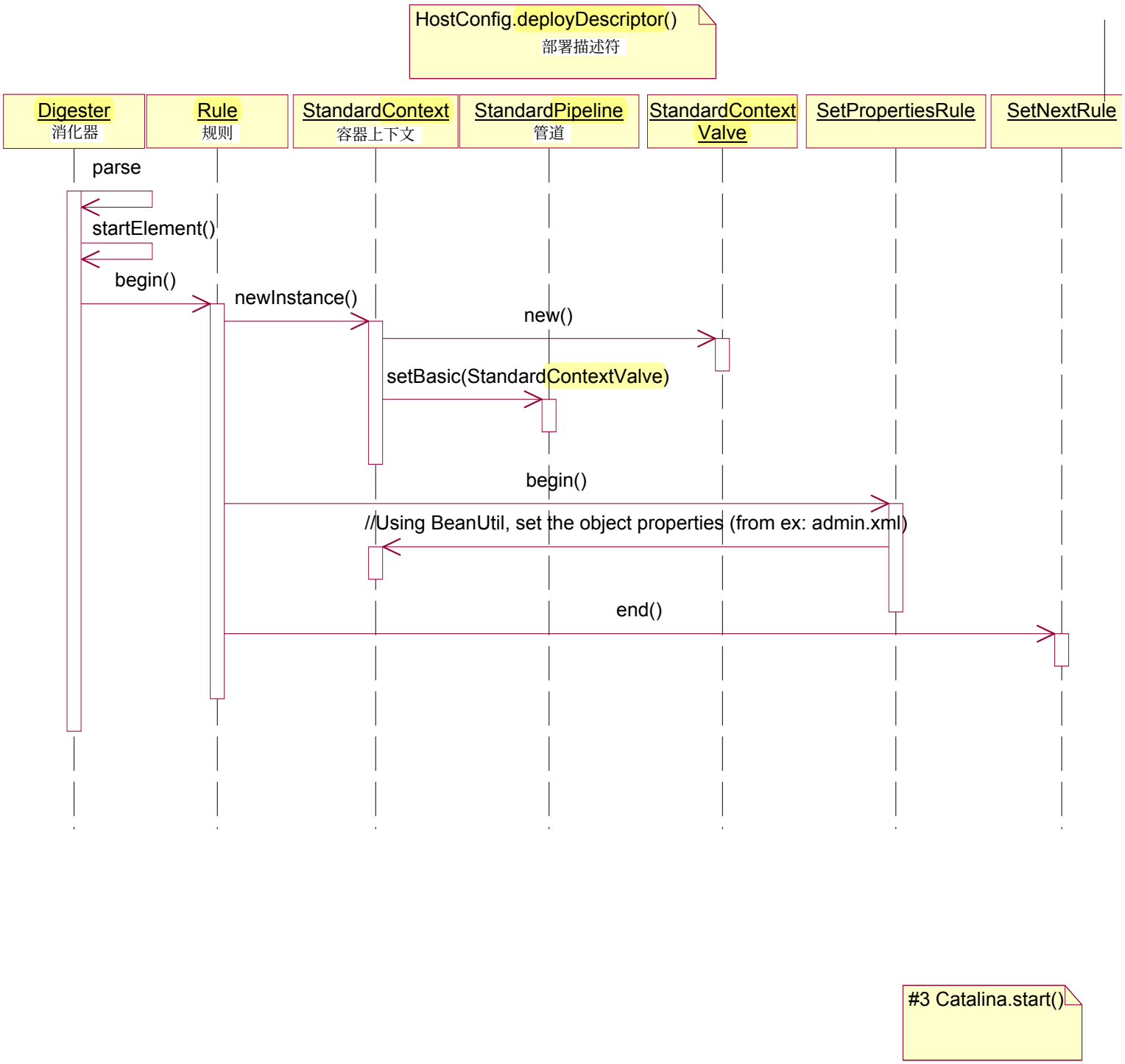

MBeans
Bootstrap
引导器
Catalina
Tomcat容器
Digester
消化器
ServerLifecycle Listener
服务器生命周期监听器
GlobalResources LifecycleListener
SecurityConfig
安全配置器
initClassLoaders()
newInstance()
setParentClassLoader()
load()
initDirs()
initNaming()
initialize()
createDigester()
解析server.xml
parse server.xml
parse()
newInstance()
newInstance()
newInstance()
setPackageDefinition()
setPackageAccess()
#1Catalina.load()



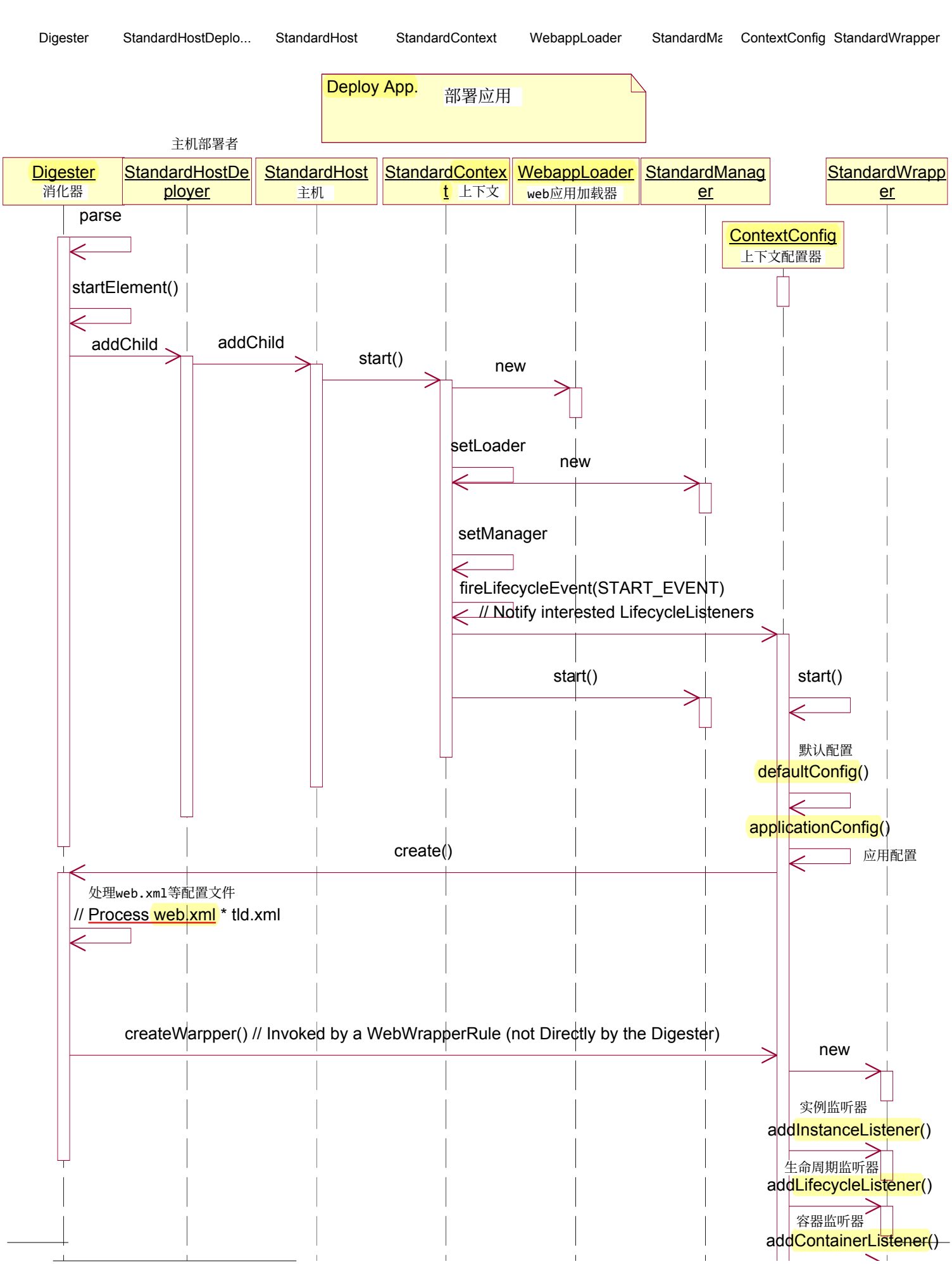
#2
Catalina.initialize()


Bootstrap
Catalina
Tomcat容器
StandardServer
服务器
StandardServic
e 服务
StandardEngine
引擎
StandardHost
主机
StandardPipeline
管道
start()
start()
fireLifecycleEvent(BEFORE_START_EVENT)
fireLifecycleEvent(START_EVENT)
start()
fireLifecycleEvent(BEFORE_START_EVENT)
fireLifecycleEvent(START_EVENT)
start()
fireLifecycleEvent(BEFORE_START_EVENT)
addDefaultMapper()
logger.start()
realm.start()
#1 Catalina.start()
findMappers()
All StandardX will fire these events.
findChildren()
start()
addDefaultMapper()
logger.start()
findMapper()
findChildren()
start()
fireLifecycleEvent(AFTER_EVENT)
fireLifecycleEvent(BEFORE_START_EVENT)
fireLifecycleEvent(START_EVENT)


StandardHost
主机
HostConfig
主机配置器
StandardHostDeployer
主机部署者
Digester
消化器
ContextRuleSet
上下文规则集
NamingRuleSet
fireLifecycleEvent(START_EVENT)
interested[i].lifecycleEvent()
设置部署文件
setDeployXML()
setLiveDeploy()
setUnpacksWar()
setXMLValidation()
deployDescriptors()
部署描述符
install()
install()
create()
new()
部署应用
add(ContextRuleSet)
deployApps()
上下文规则集
install()
new()
add(NamingRuleSet())
parse()
install() // same as above
#2 Catalina.start()



#3 Catalina.start()


Digester
StandardHostDeplo...
StandardHost
StandardContext
WebappLoader
StandardMa
ContextConfig
StandardWrapper
Deploy App.
部署应用
主机部署者
Digester
消化器
StandardHostDeployer
StandardHost
主机
StandardContext
上下文
WebappLoader
web应用加载器
StandardManager
StandardWrapper
parse
ContextConfig
上下文配置器
startElement()
addChild
addChild
start()
new
setLoader
new
setManager
fireLifecycleEvent(START_EVENT)
// Notify interested LifecycleListeners
start()
start()
默认配置
defaultConfig()
applicationConfig()
create()
应用配置
处理web.xml等配置文件
// Process web.xml * tld.xml
createWarpper() // Invoked by a WebWrapperRule (not Directly by the Digester)
new
实例监听器
addInstanceListener()
生命周期监听器
addLifecycleListener()
容器监听器
addContainerListener()