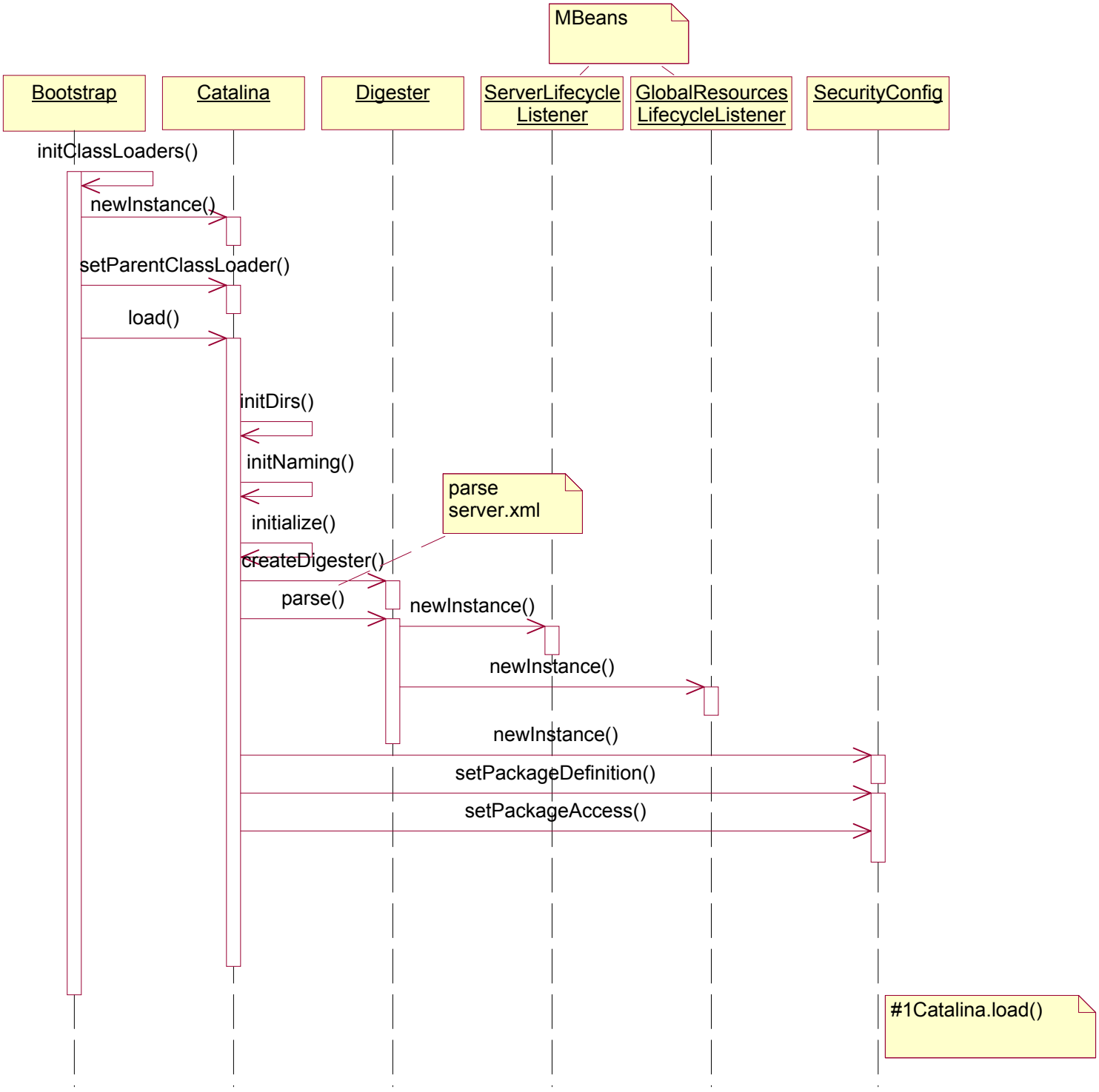
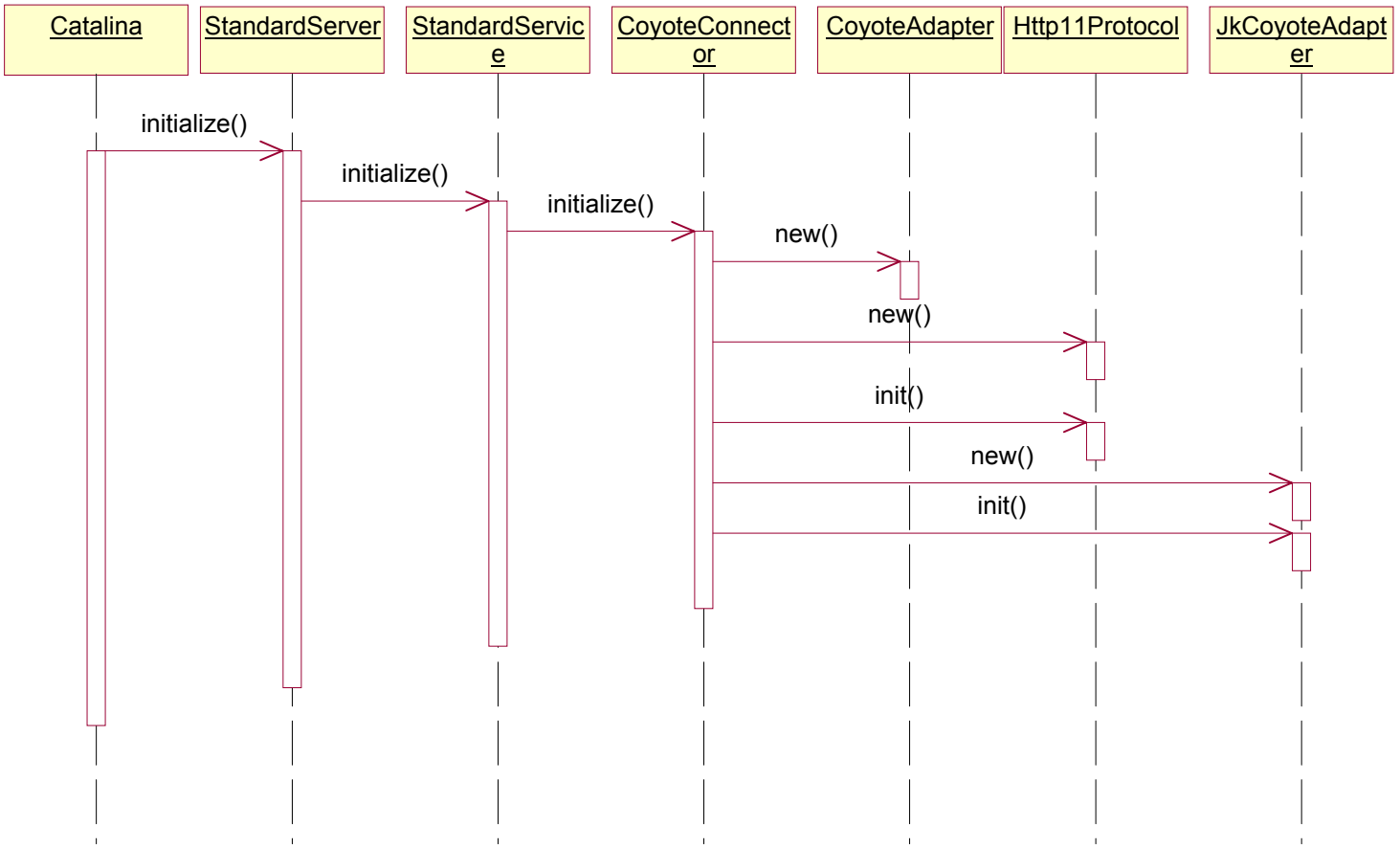
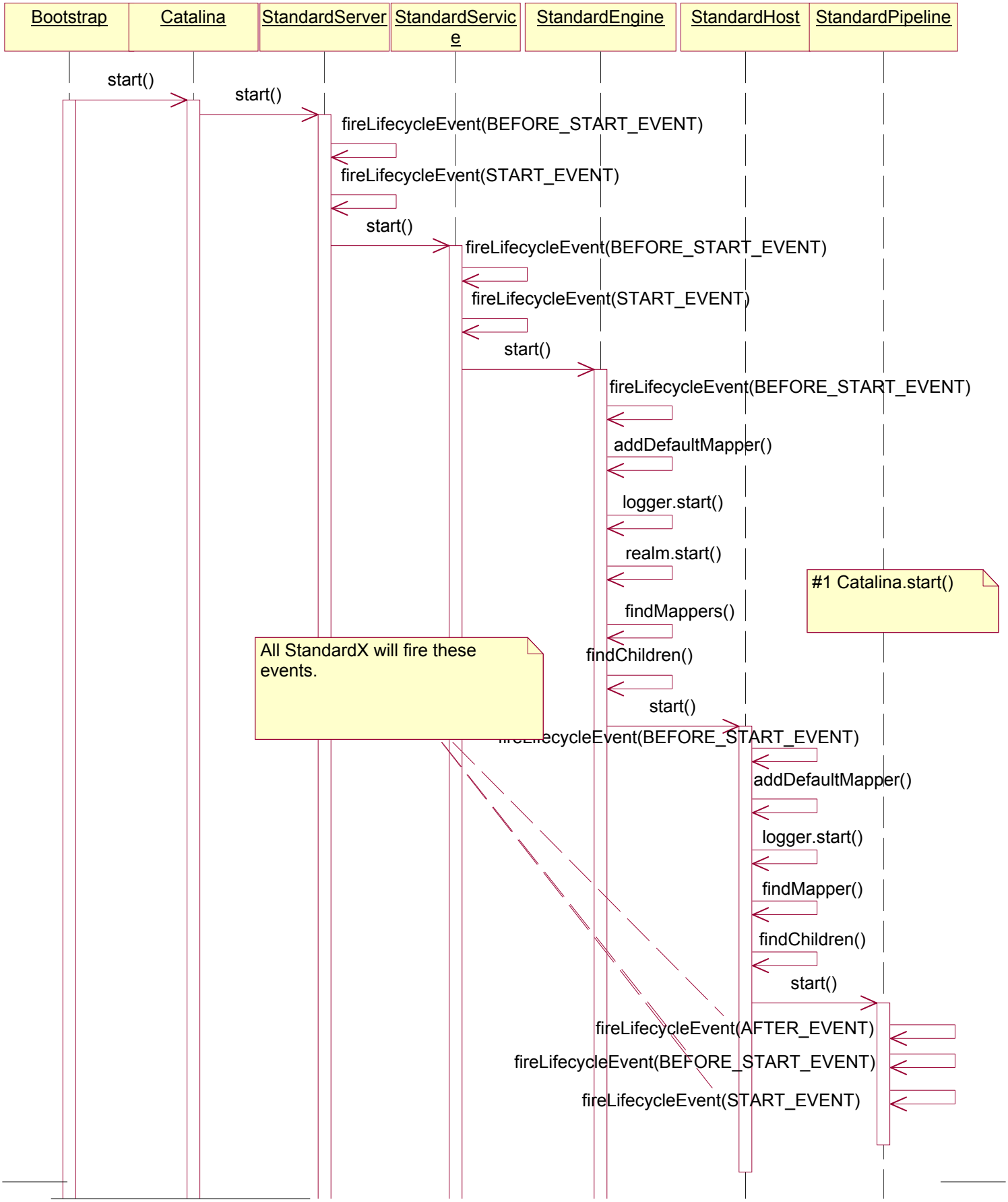
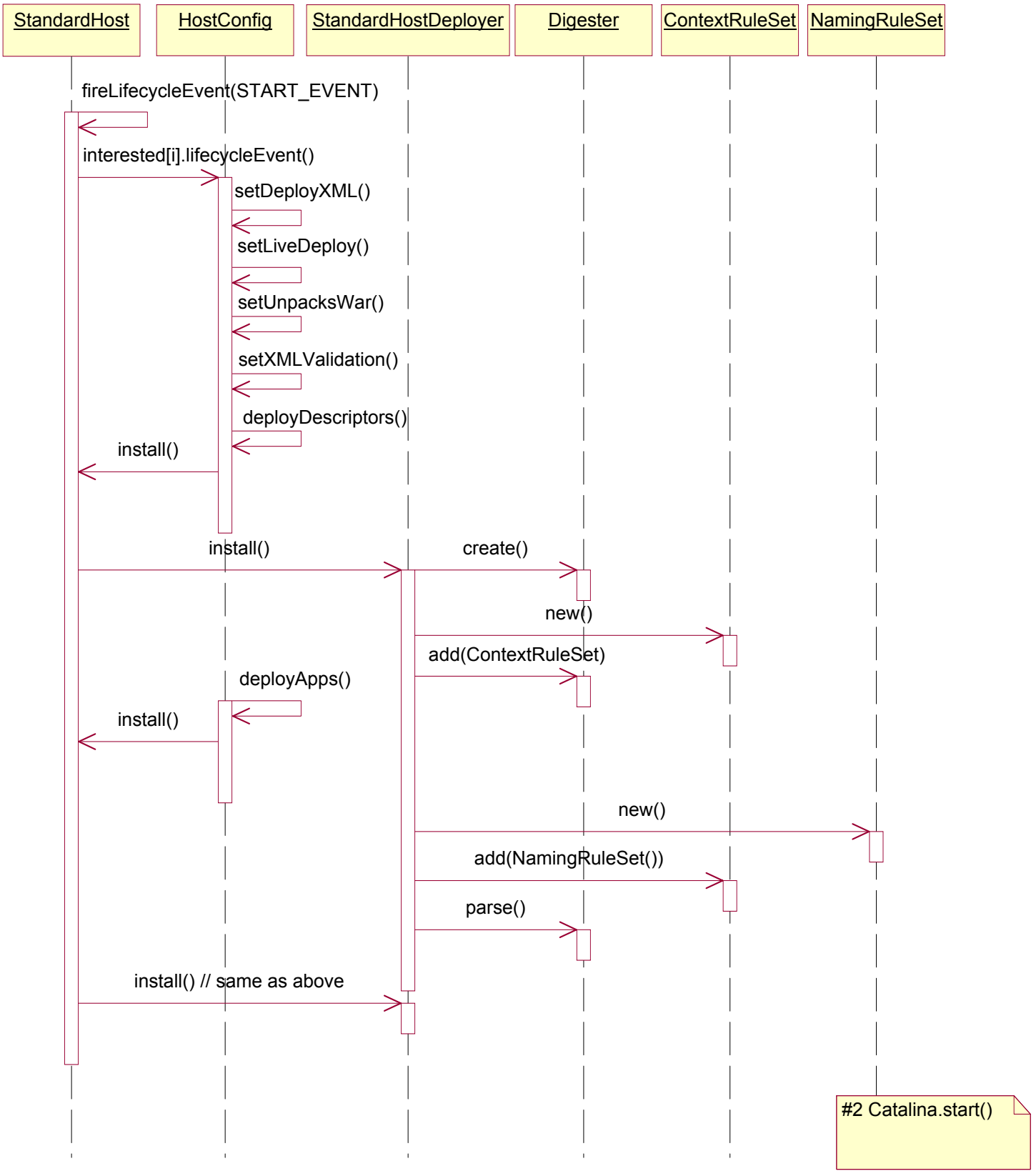
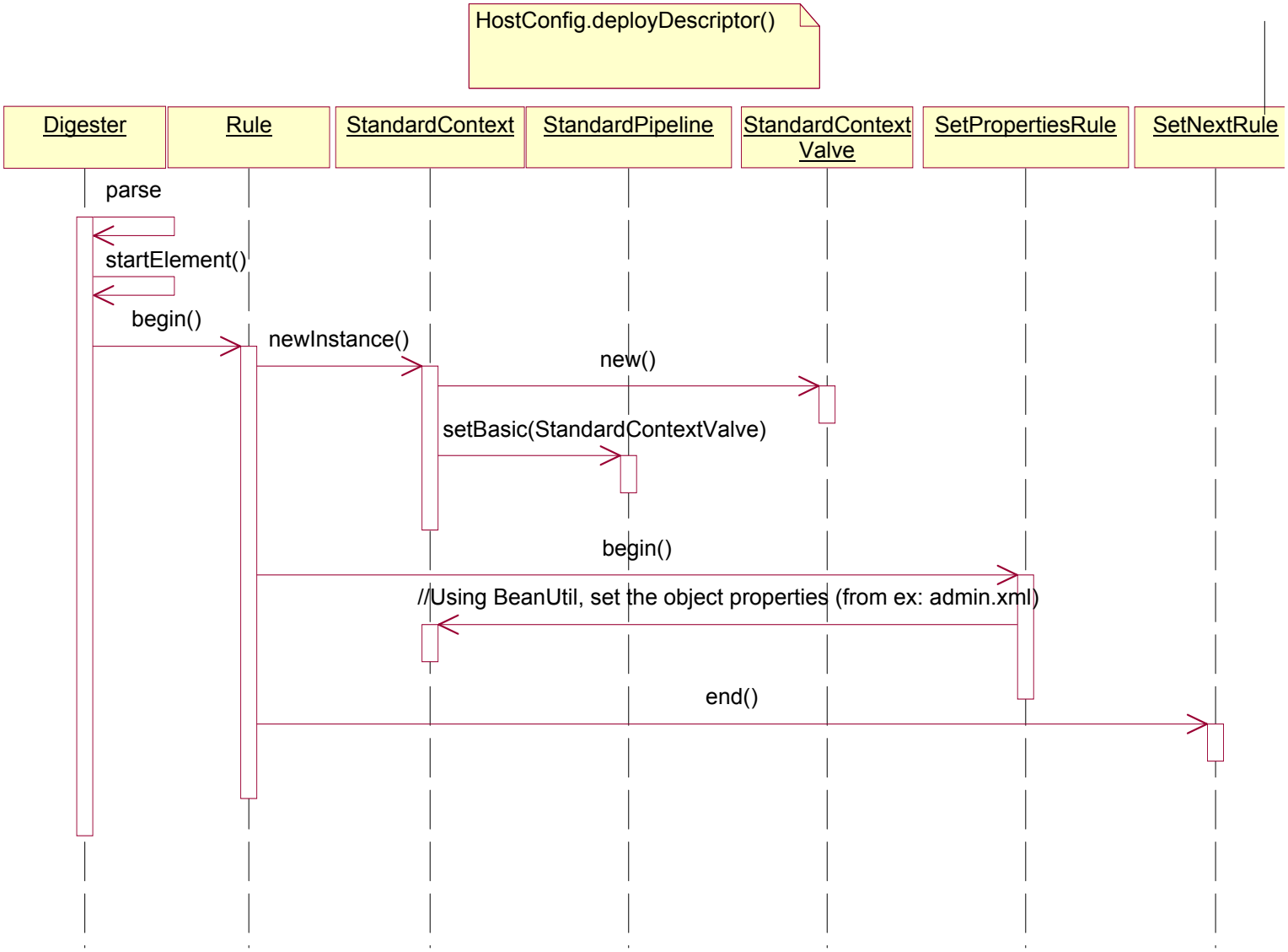

MBeans
Bootstrap
Catalina
Digester
ServerLifecycle Listener
GlobalResources LifecycleListener
SecurityConfig
initClassLoaders()
newInstance()
setParentClassLoader()
load()
initDirs()
initNaming()
parse server.xml
initialize()
createDigester()
parse()
newInstance()
newInstance()
newInstance()
setPackageDefinition()
setPackageAccess()
#1Catalina.load()



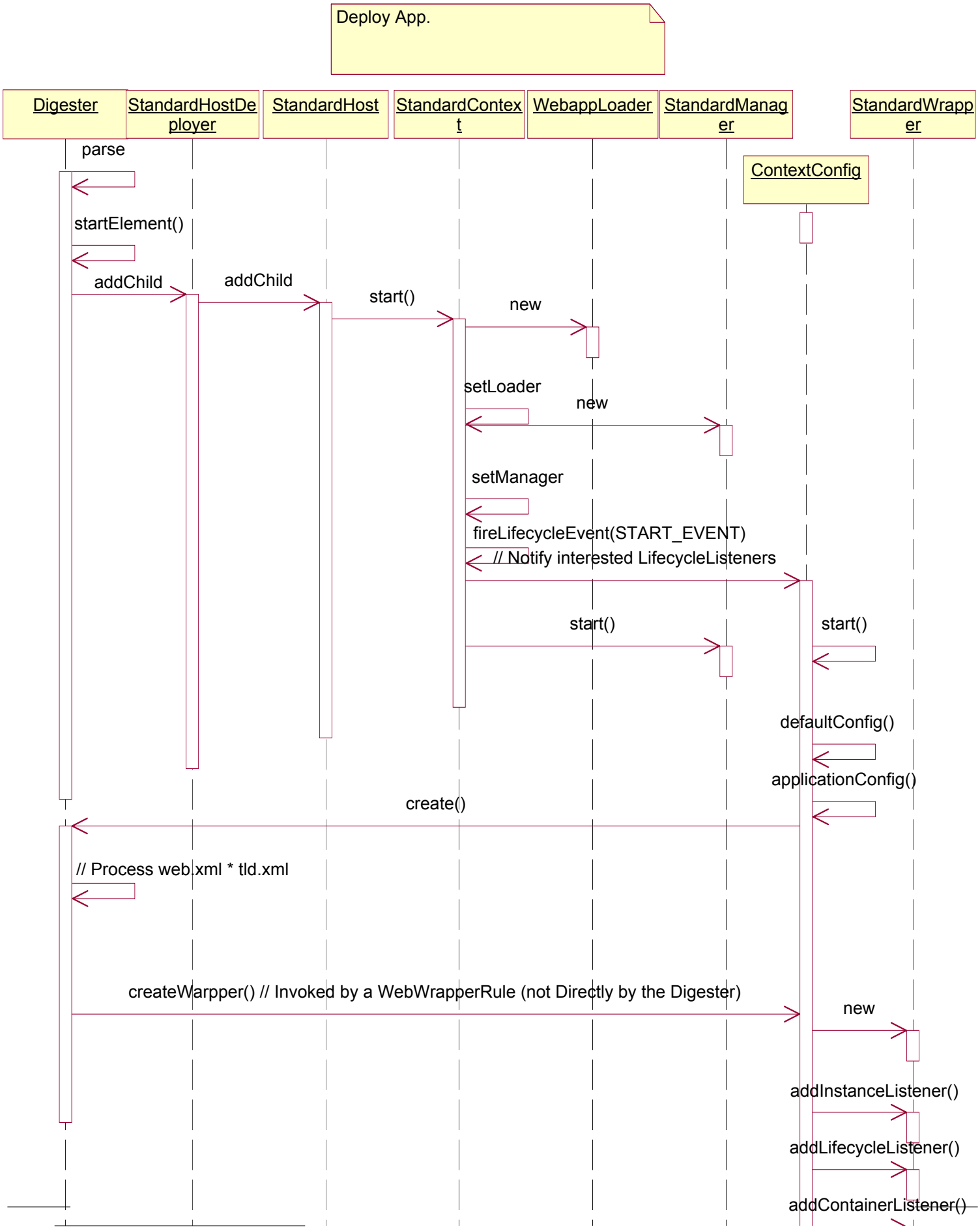
#2
Catalina.initialize()


Bootstrap
Catalina
StandardServer
StandardServic e
StandardEngine
StandardHost
StandardPipeline
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
HostConfig
StandardHostDeployer
Digester
ContextRuleSet
NamingRuleSet
fireLifecycleEvent(START_EVENT)
interested[i].lifecycleEvent()
setDeployXML()
setLiveDeploy()
setUnpacksWar()
setXMLValidation()
deployDescriptors()
install()
install()
create()
new()
add(ContextRuleSet)
deployApps()
install()
new()
add(NamingRuleSet())
parse()
install() // same as above
#2 Catalina.start()



#3 Catalina.start()


Deploy App.
Digester
StandardHostDeployer
StandardHost
StandardContext
WebappLoader
StandardManager
ContextConfig
StandardWrapper
parse
startElement()
addChild
addChild
start()
new
setLoader
new
setManager
fireLifecycleEvent(START_EVENT)
// Notify interested LifecycleListeners
start()
start()
defaultConfig()
applicationConfig()
create()
// Process web.xml * tld.xml
createWarpper() // Invoked by a WebWrapperRule (not Directly by the Digester)
new
addInstanceListener()
addLifecycleListener()
addContainerListener()