第十一节 应用容器安全

CSRF

Tomcat CSRF 防控实现

http://tomcat.apache.org/tomcat-7.0-doc/config/filter.html#CSRF_Prevention_Filter

Spring Security - CsrfFilter

请求匹配 - RequestMatcher

- AntRequestMatcher
- RegxRequestMatcher

included : /users/1/*,

excluded: /user/1/info,

/users/1/details

/users/1/info

JNDI

创建 Context 的方式

1. new InitialContext()

2. javax.naming.spi.InitialContextFactory#getInitialContext

3. javax.naming.spi.InitialContextFactoryBuilder#createInitialContextFactory

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4.（推荐）javax.naming.spi.NamingManager#getInitialContext

通过 Java 系统属性 "java.naming.factory.initial"

Tomcat org.geektimes.projects.user.message.MessageProducerFactory#getObjectInstance 第一个参数

ResourceRef[className=javax.jms.MessageProducer,

factoryClassLocation=null,

factoryClassName=org.apache.naming.factory.ResourceFactory,

{type=scope,content=Shareable},

{type=auth,content=Container},

{type=singleton,content=true},
{type=factory,content=org.geektimes.projects.user.message.MessageProducerFactory},
{type=queueName,content=TEST.FOO},

{type=connectionFactoryJndiName,content=activemq-factory}

]

相关技术

Tomcat

参考 $CATALINA_HOME/conf/server.xml

- Digester 解析 XML 元素 -> Tomcat 组件（XML 元素名称 = Tomcat 组件类型)
- XML 元素属性与 Tomcat 组件属性同名绑定
- 所有 Tomcat 组件都实现了 Tomcat 生命周期接口 LifeCycle

http://tomcat.apache.org/tomcat-7.0-doc/architecture/requestProcess/request-process.png

Spring Stack

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Eclipse MicroProfile

- JSR

Eclipse Vert.x

课后预习

Servlet 3.1 规范中关于 HttpSession 内容

- 钝化（Passivate）
- 持久化