

Test - Repository Profile: Basic with authorization

Basic file-based repository, with basic access roles authorization enabled. Querying is OFF.

Copy the repository config file shown below to **config/repository-basic-authn.json** and the jetty-users.properties file shown below to **config/**.

| Parameter | Suggested values | Notes |
|-------------------------------------|------------------|--|
| Modeshape configuration | minimal | -Dfcrepo.modeshape.configuration=classpath:config/repository-basic-authn.json |
| Infinispan configuration | basic | |
| Is a federated component required? | No | |
| Is a sequencing component required? | No | |
| Is an authorization layer required? | Yes | Start up fcrepo-webapp with the following added system property: -Djetty.users.file= target/classes/config/jetty-users.properties Run the script createNodeWithRoles.sh (below) to provision a test node with ACLs. See testACL.json (below) for test ACLs. |
| Is versioning required? | No | |

repository-basic-authn.json

```
{
  "name" : "fedora-secured-repo",
  "jndiName" : "",
  "workspaces" : {
    "predefined" : ["default"],
    "default" : "default",
    "allowCreation" : true
  },
  "query" : {
    "enabled" : false
  },
  "storage" : {
    "cacheName" : "FedoraRepository",
    "cacheConfiguration" : "${fcrepo.infinispan.cache_configuration:config/infinispan/basic/infinispan.xml}",
    "binaryStorage" : {
      "type" : "cache",
      "dataCacheName" : "FedoraRepositoryBinaryData",
      "metadataCacheName" : "FedoraRepositoryMetaData"
    }
  },
  "security" : {
    "anonymous" : {
      "roles" : ["readonly","readwrite","admin"],
      "useOnFailedLogin" : false
    },
    "providers" : [
      { "classname" : "org.fcrepo.auth.ServletContainerAuthenticationProvider" }
    ]
  },
  "node-types" : ["fedora-node-types.cnd"]
}
```

repo.xml

```
<beans xmlns="http://www.springframework.org/schema/beans" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:context="http://www.springframework.org/schema/context"
xsi:schemaLocation="
    http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans-3.0.xsd
    http://www.springframework.org/schema/context http://www.springframework.org/schema/context/spring-context-
3.0.xsd">

    <!-- Context that supports the actual ModeShape JCR itself -->

    <context:annotation-config />

    <context:component-scan base-package="org.fcrepo.kernel.services" />

    <bean name="modeshapeRepofactory" class="org.fcrepo.kernel.spring.ModeShapeRepositoryFactoryBean"
        depends-on="authenticationProvider">
        <property name="repositoryConfiguration" value="{fcrepo.modeshape.configuration:./repository-basic-authn.
json}" />
    </bean>

    <bean name="authenticationProvider" class="org.fcrepo.auth.ServletContainerAuthenticationProvider">
        <property name="pep" ref="pep" />
    </bean>

    <bean name="pep" class="org.fcrepo.auth.roles.basic.BasicRolesPEP" />

    <bean class="org.modeshape.jcr.JcrRepositoryFactory" />

</beans>
```

jetty-users.properties

```
testuser: turnip1,fedoraUser
adminuser: turnip2,fedoraUser
fedoraAdmin: turnip3,fedoraAdmin
```

testACL.json

```
{
  "EVERYONE" : [ "reader" ],
  "testuser" : [ "reader" ],
  "adminuser" : [ "admin" ]
}
```

createNodeWithRoles.sh

```
#!/bin/bash -x

rooturl="http://localhost:8080/rest"

curl -X DELETE "$rooturl/testparent" -u fedoraAdmin:turnip3
curl -X POST "$rooturl/testparent" -u fedoraAdmin:turnip3
curl -H "Content-Type: application/json" -X POST "$rooturl/testparent/fcr:accessRoles" -u fedoraAdmin:turnip3 -
d "@path/to/testACL.json"
```