

How to setup the security realm on Geronimo



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If you deploy the magnolia war on a geronimo server you will have to setup authentication/a security realm on geronimo to be able to login to AdminCentral. Here's how:

1. login to your geronimo console
2. choose "Security Realms" in the menu and click on "Add new security realm" and follow the wizard
3. *Step 1*
Name of Security Realm: **magnolia**
Realm Type: **other**
4. *Step 2*
Login Module JAR: choose the war from the list where you have deployed magnolia (e.g.: default/magnolia-bundled-webapp-4.2.3/1266074207292/war)
 - a. Login Module 1
 - i. Login Domain Name: **magnolia**
 - ii. Login module class: **info.magnolia.jaas.sp.jcr.JCRAuthenticationModule**
 - iii. Control Flag: **requisite**
 - iv. leave all other fields on the default values
 - b. Login Module 2
 - i. Login Domain Name: **magnolia-authorization**
 - ii. Login module class: **info.magnolia.jaas.sp.jcr.JCRAuthorizationModule**
 - iii. Control Flag: **required**
 - iv. leave all other fields on the default values
5. Click on the Deploy button

You are now ready to login to the AdminCentral using the default username:superuser & password:superuser

Possible errors for incorrect security realm setups

To catch those who are struggling setting up the correct realm via Google, a list of possible errors you might run into;

[Correct realm name but wrong authentication & authorization classes](#)

When you setup a security realm correctly called "magnolia" which doesn't use the magnolia authentication & authorization classes you will see the following errors in your log files;

```
info.magnolia.cms.security.SystemUserManager : Failed to login as anonymous user
javax.security.auth.login.FailedLoginException at org.apache.geronimo.security.realm.providers.PropertiesFileLoginModule.login
(PropertiesFileLoginModule.java:205)
```

&

```
info.magnolia.cms.security.DummyUser      : Initializing dummy user - Anonymous  
info.magnolia.cms.security.DummyUser      : This area and/or instance is not secured  
Servlet.service() for servlet default threw exception  
java.util.NoSuchElementException at java.util.HashMap$HashIterator.nextEntry(HashMap.java:796)
```

No realm at all

When you don't setup a security realm at all you will see the following errors in your log files;

```
ERROR info.magnolia.cms.security.SecuritySupportBase : Can't login due to:  
javax.security.auth.login.LoginException: No LoginModules configured for magnolia  
at javax.security.auth.login.LoginContext.init(LoginContext.java:256)
```