

Please follow these steps to install the AD authentication component

IMPORTANT: PLEASE ENSURE THAT KNOWAGE USERS ALREADY EXIST UNDER THE AD, ADMINISTRATOR INCLUDED. In few words, the integration works by checking in the AD the user who is logging in Knowage, but the same user has to be already registered in Knowage too. Therefore, users have to exist on both systems.

NOTE: this document uses Apache Tomcat as reference application server

1. If running, shutdown the Tomcat instance where Knowage is executing.
2. Install the provided library **knowage.ldap.jar** into the folder `<your_tomcat_instance>/webapps/knowage/WEB-INF/lib`
3. Add the configuration file **adam_authorizations.xml** into the folder `<your_tomcat_instance>/webapps/knowage/WEB-INF/conf/webapp`
4. Please verify if the file content of step (3) is correct:
 - PROVIDER_URL: AD server address*
 - SECURITY_AUTHENTICATION: authentication type*
 - DN_PREFIX: this is the prefix that will be concatenated with the user name to create the DN*
 - DN_POSTFIX: this is the postfix that will be concatenated with the user name to create the DN*
5. Register in the file **master.xml** (`<your_tomcat_instance>/webapps/knowage/WEB-INF/conf`) the file **adam_authorizations.xml**:


```
<CONFIGURATOR path="/WEB-INF/conf/webapp/adam_authorizations.xml" />
```
6. Please restart Tomcat.
7. Configure the environment to use the class **it.eng.spagobi.adam.AdamAuthorization** as follow:
 - a. Login into Knowage as administrator
 - b. Navigate to *Configuration Management*
 - c. Set the value of **SPAGOBISEcurity.USER-PROFILE-FACTORY-CLASS.className** to **it.eng.spagobi.adam.AdamAuthorization** and confirm (see images below)

SPAGOBISEcurity.DEFAULT_USER	DEFAULT_USER	biadmin	SECURITY
SPAGOBISEcurity.PORTAL-SECURITY-CLASS.className	Security Info provider	it.eng.spagobi.security.InternalSecurityInfoProviderImpl	SECURITY
SPAGOBISEcurity.USER-PROFILE-FACTORY-CLASS.className	Security Service Supplier	it.eng.spagobi.security.InternalSecurityServiceSupplierImpl	SECURITY
SPAGOBISEcurity.PORTAL-SECURITY-CLASS.className	Security Info provider	it.eng.spagobi.security.InternalSecurityInfoProviderImpl	SECURITY

Label *	SPAGOB.I.SECURITY.USER-PROFILE-FACTORY-CLASS.className
Name *	Security Service Supplier
Description	Security Service Supplier
Active *	True ▼
Value check	it.eng.spagobi.security.InternalSecurityServiceSupplierImpl
Type	STRING ▼
Category *	SECURITY ▼

d. Logout.

8. Knowage is now able to authenticate its users through AD