

## NXRM SECURITY MODEL - USERS & REQUIREMENTS

Users of Nexus Repository Manager are human or non-human entities [known as CI (continuous integration) users]. All user types can be assigned to one or more roles in NXRM to **read, deploy, or manage repositories.**

The repository manager comes with two users by default: **admin** and **anonymous**. The admin user has all privileges and the anonymous user has read-only privileges. (The Anonymous role cannot be edited).

## DETERMINING WHICH ROLE(S) TO ASSIGN

Users	What they need to do?	How to accomplish this?
<b>Anonymous (local)</b>	Read access to only Maven Central	Create a new <i>Anonymous</i> role, and assign the new role to the default anonymous users. Also, remove the default role from that user.
<b>Administrator (local)</b>	Administrate role-based access controls in Nexus Repository.	Create a new <i>Administrator</i> role, with administrative permissions as required.
<b>LDAP (external)</b>	An external server used to distribute role-based resources to Nexus Repository. Provides Single sign on to NXRM via LDAP	Create an <i>LDAP Connection</i> , create LDAP user group, and map the user group to the LDAP group of external users of the same name. Then bind this new group group of to the repository manager.

## PROVISIONING SYSTEMS

Easily integrate NXRM with existing user and access provisioning systems including LDAP, Atlassian Crowd, and more.

### LDAP EXAMPLE

Configuring LDAP can be achieved in a few simple steps:

- Enable LDAP Authentication Realm
- Create LDAP server configuration with connections and user/group mapping details
- Create external role mappings to adapt LDAP roles to repository manager specific usage



## PRIVILEGES

### Key points to remember regarding privileges:

- NXRM3 comes with an extensive list of privileges already **built in**.
- Privilege **types indicate the area** of the repository manager you wish to grant permissions.
- Privileges **cannot be assigned directly to users**, only to roles.
- Privileges **can be created dynamically** as you add repository types and repositories to NXRM.



## PRIVILEGE TYPES

Privilege Type:	These privileges are...
<b>Application</b>	Related to a specific domain in the repository manager
<b>Repository Admin</b>	Related to the administration and configuration of a specific repository
<b>Repository Content Selector</b>	Attributed to filtered content within a format, evaluated against a <a href="#">content selector</a>
<b>Repository View</b>	Used to control access to the content of a specific repository
<b>Script</b>	Related to the execution and management of scripts as documented in <a href="#">REST and Integration API</a>
<b>Wildcard</b>	Able to use patterns to group other privileges

[Learn more about privilege actions >>](#)

## ROLES

### Key points to remember regarding roles:

- External roles and NXRM roles are **not 1:1**, you are only able to map one external role to many NXRM roles.
- Mapping LDAP roles is easy: **create a group** role in NXRM, **assign** the required privileges to that role, and map it to the appropriate LDAP group.
- A **user imported** from an LDAP group can perform specific actions as long as their admin enables them within the mapped role.

