

TO Create 2 users and Assign them to 2 different Roles respectively.

Objective

1. Create a Role → Manage roles
 - a. Global role with “Overall Read”
 - b. Project role with pattern “Proj.*” and give all the permission
 - c. Project Role with Pattern “Dev.*” and agive all the permission
2. Create 2 users
 - a. User2
 - b. User3
3. Now back to “manage Roles”
 - a. Assign Roles -- > to User2, Newly created “Global role” and project role with pattern “Proj.*”
 - b. Assign Roles -- > to User3, Newly created “Global role” and project role with pattern “Dev.*”

Pre-Requisite

Enable “Roles-based-Strategy” in the ‘Global Security.’

Configure Global Security

☒ Enable security

Disable remember me ☐

Access Control

Security Realm

- ☐ Delegate to servlet container
- ☒ Jenkins' own user database
 - ☐ Allow users to sign up
- ☐ LDAP
- ☐ Unix user/group database

Authorization


- ☐ Anyone can do anything
- ☐ Legacy mode
- ☐ Logged-in users can do anything
- ☐ Matrix-based security
- ☐ Project-based Matrix Authorization Strategy
- ☒ Role-Based Strategy

Select and Click **“Save”**

Then click **“Manage Jenkins”**









-  New Item
-  People
-  Build History
-  Project Relationship
-  Check File Fingerprint
-  **Manage Jenkins**
-  My Views
-  Lockable Resources

Click on

 **Manage and Assign Roles**
Handle permissions by creating roles and assigning them to users/groups

This would take you to the below screen where you can Manage Roles and Assign Roles

Jenkins > Manage and Assign Roles

-  [New Item](#)
-  [People](#)
-  [Build History](#)
-  [Project Relationship](#)
-  [Check File Fingerprint](#)
-  [Manage Jenkins](#)
-  [My Views](#)
-  [Lockable Resources](#)



Manage and Assign Roles



[Manage Roles](#)
Manage Roles



[Assign Roles](#)
Assign Roles



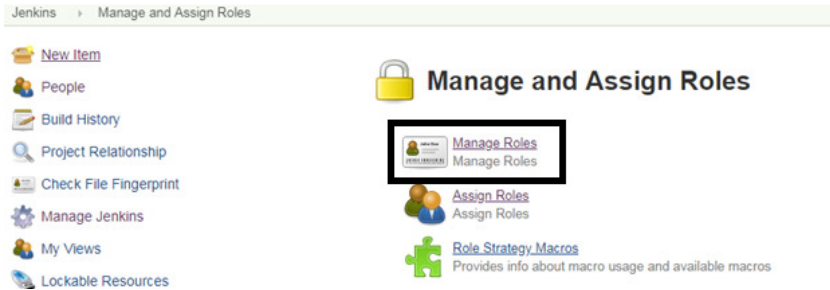
[Role Strategy Macros](#)
Provides info about macro usage and available macros

Jenkins – Roles & Users

Below are the steps Create and Assign Role to users

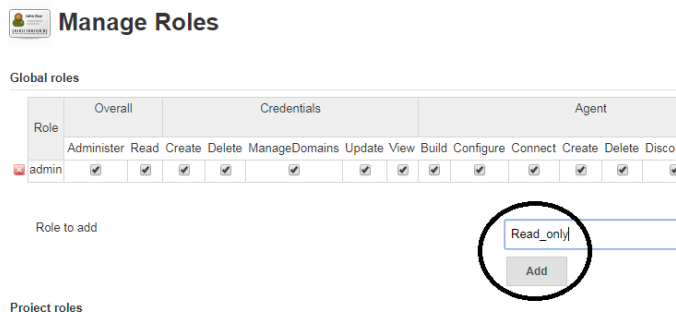
Step1

Create a Role → Manage roles

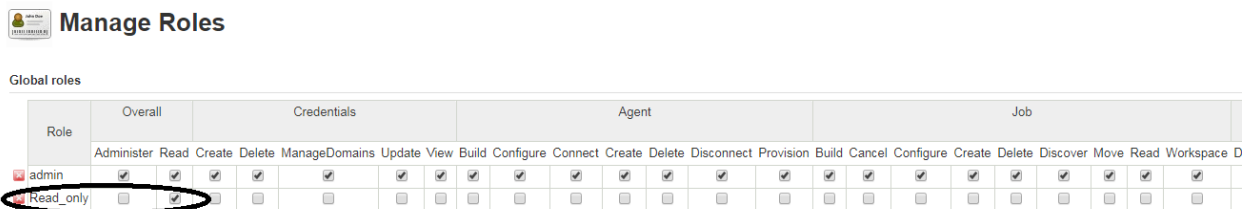


Click on “Manage Roles”

Now, Lets create a Global role with “Overall Read” , for that first lets create a Role and then add the permission.

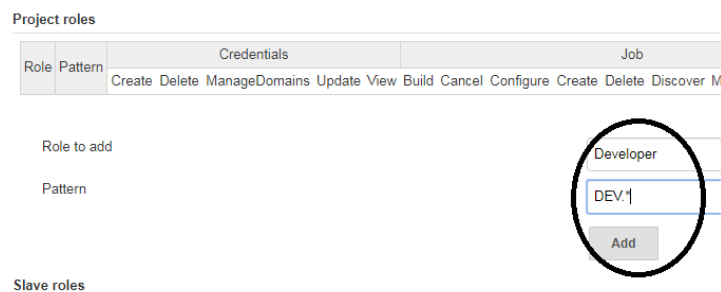


Project roles



Next,

Let’s create Project role with pattern “Proj.*” and give all the permission



Jenkins – Roles & Users

Project roles

Role	Pattern	Credentials							Job							Run		SCM	Lockable Resources		
		Create	Delete	ManageDomains	Update	View	Build	Cancel	Configure	Create	Delete	Discover	Move	Read	Workspace	Delete	Replay	Update	Tag	Reserve	Unlock
Developer	"DEV.*"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Next,

Let's Create Project Role with Pattern "Dev.*" and give all the permission

Project roles

Role	Pattern	Credentials							Job						
		Create	Delete	ManageDomains	Update	View	Build	Cancel	Configure	Create	Delete	Discover	Move	Read	Workspace
Developer	"DEV.*"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Role to add

Pattern

Operations

Proj.*

Add

Slave roles

Project roles

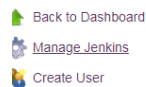
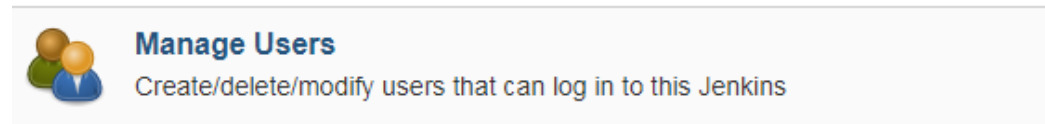
Role	Pattern	Credentials							Job							Run		SCM	Lockable Resources		
		Create	Delete	ManageDomains	Update	View	Build	Cancel	Configure	Create	Delete	Discover	Move	Read	Workspace	Delete	Replay	Update	Tag	Reserve	Unlock
Developer	"DEV.*"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operations	"Proj.*"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

FINALLY CLICK ON "SAVE"

Step2

Create 2 users → User2 & User3

For that click on → Manage Jenkins



Users

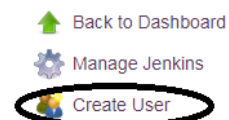
These users can log into Jenkins. This is a sub set of [this list](#), which also contains auto-created users who really just made some commits on some projects and have no direct Jenkins access.

User ID	Name
user1	user1

There is one user always, which is the “ADMIN” administrator for the Jenkins server

Now lets create 2 users.

Click on “Create user”



Users

These users
direct Jenkin:

user1

 [Back to Dashboard](#)

 [Manage Jenkins](#)

 [Create User](#)

Create User

Username:

Password:

Confirm password:

Full name:

E-mail address:


Create User

Creating a user with “user2”

Click “Create user”

Next Create → user3

 [Back to Dashboard](#)

 [Manage Jenkins](#)

 [Create User](#)

Create User

Username:

Password:

Confirm password:

Full name:

E-mail address:

Create User

Users

These users can log into Jenkins. This is a sub set of [this list](#), which also contains auto-created users who really just made some commits on some projects and have no direct Jenkins access.

User ID	Name	
user1	user1	
user2	user2	 
user3	User3	 

So we have the users as per the requirement.

STEP3:

Click on “Manage Jenkins” then click on



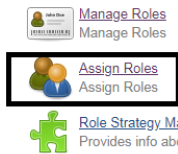
Manage and Assign Roles

Handle permissions by creating roles and assigning them to users/groups



Manage and Assign Roles

Click on “Assign Roles”



Let's add the User2 and user3 to and assign the respective Roles



Assign Roles

Global roles

User/group	Read_only	admin
user1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Anonymous	<input type="checkbox"/>	<input type="checkbox"/>

User/group to add

user2

Add



Assign Roles

Global roles

User/group	Read_only	admin
user1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Anonymous	<input type="checkbox"/>	<input type="checkbox"/>
user2	<input checked="" type="checkbox"/>	<input type="checkbox"/>

User2 → needs to have

Newly created “Global role” and

project role with pattern “Developer” (Pattern – DEV.*)

Item roles

User/group	Developer	Operations
Anonymous	<input type="checkbox"/>	<input type="checkbox"/>
user2	<input checked="" type="checkbox"/>	<input type="checkbox"/>

User/group to add

Add

Similarly lets create for user3.

Assign Roles

Global roles

User/group	Read_only	admin
user1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Anonymous	<input type="checkbox"/>	<input type="checkbox"/>
user2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
user3	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Item roles

User/group	Developer	Operations
Anonymous	<input type="checkbox"/>	<input type="checkbox"/>
user2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
user3	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Assign Roles --> to User3, **Newly created “Global role”** and project role **“Operations”** with pattern “Proj.*”

STEP4.

Check the output by login in to the respective users.

In the below screen, the top window is logged in with “administrator” –user1.

The bottom window is logged in with “user2”.

Now “user2” is able to see only the jobs with pattern “DEV.*”

The image displays two screenshots of the Jenkins web interface, illustrating user permissions. The top screenshot shows the interface for 'user1' (administrator), and the bottom screenshot shows the interface for 'user2'.

Top Window (user1): The user is logged in as 'user1'. The job list table shows three jobs: 'DEV', 'DEV1', and 'Pipeline-1'. The 'Name' column is circled, and 'DEV' and 'DEV1' are also circled. The 'Pipeline-1' job is visible.

S	W	Name ↓	Last Success	Last Failure	Last Duration
		DEV	N/A	N/A	N/A
		DEV1	N/A	N/A	N/A
		Pipeline-1	2 days 0 hr - #66	2 days 0 hr - #63	7.9 sec

Bottom Window (user2): The user is logged in as 'user2'. The job list table shows only two jobs: 'DEV' and 'DEV1'. The 'Name' column is circled, and 'DEV' and 'DEV1' are also circled. The 'Pipeline-1' job is not visible, indicating that user2 can only see jobs matching the pattern 'DEV.*'.

S	W	Name ↓	Last Success	Last Failure	Last Duration
		DEV	N/A	N/A	N/A
		DEV1	N/A	N/A	N/A

Note:-- Just create an dummy projects to check the above usecase.