

Topic 5: Security and Notification

Jenkins - Creating Users


Generally, in a large organization, there are multiple, separate teams to manage and run jobs in Jenkins. But managing this crowd of users and assigning roles to them can prove troublesome.


Role Strategy Plugins

The Role Strategy Plugin enable you to assign different roles and privileges to different users. You will first need to install the plugin in your Jenkins mange environment.


Step 1 : Create User

Create the user in manage jenkins --> Manage Users --> Create user

 Back to Dashboard


 Manage

Back to Dashboard

 Create User

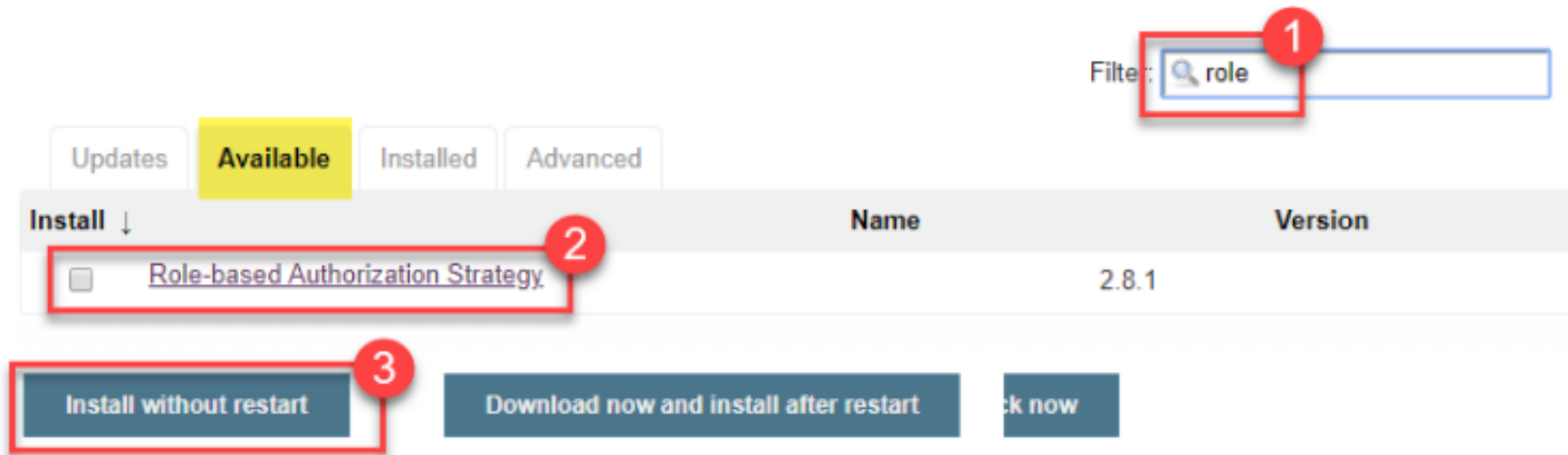
Users

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

User ID	Name
 admin	admin

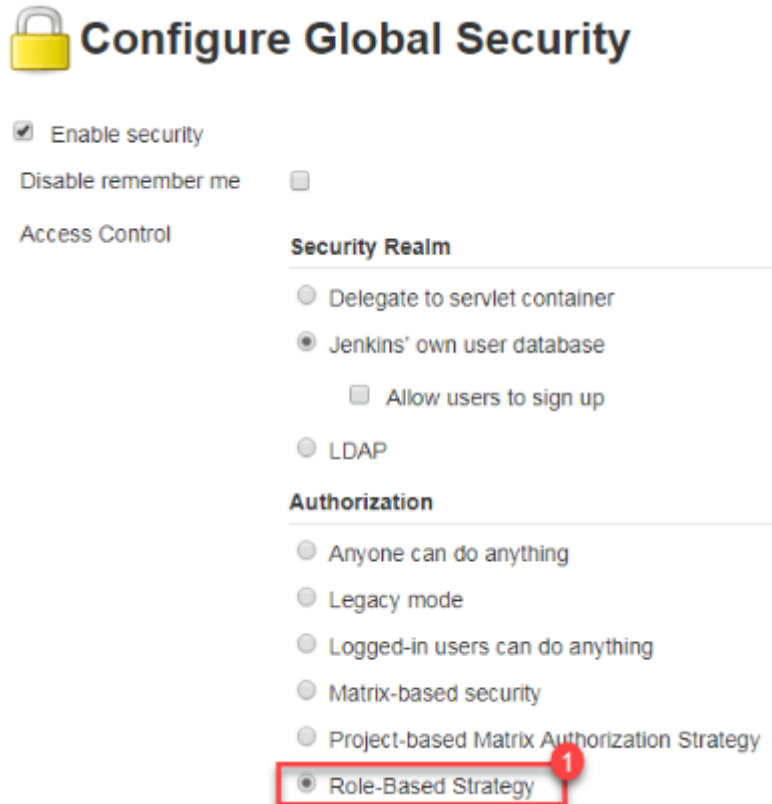
Step 2 : Install Plugins


Install the Role-Based Authorization Strategy plugin from manage plugins windows



Step 3 : Configure Global Security

Go to Manage Jenkins -> Configure Global Security -> Under Authorization, select Role Based Strategy. Click on Save.



 **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

Authorization

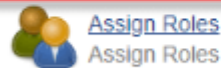
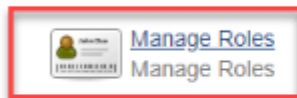
- ☐ Anyone can do anything
- ☐ Legacy mode
- ☐ Logged-in users can do anything
- ☐ Matrix-based security
- ☐ Project-based Matrix Authorization Strategy
- ☒ Role-Based Strategy

Step 4 : Manage/Create Roles

Click on manage and Assign Roles in manage jenkins and configure the roles and assign it to users.



Manage and Assign Roles



Manage and Assign Roles

Global roles

Role	Overall	Credentials							Agent							Job				
	Administer	Read	Create	Delete	ManageDomains	Update	View	Build	Configure	Connect	Create	Delete	Disconnect	Provision	Build	Cancel	Configure	Create	Delete	Discover
admin	<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"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
developer	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3

Role to add

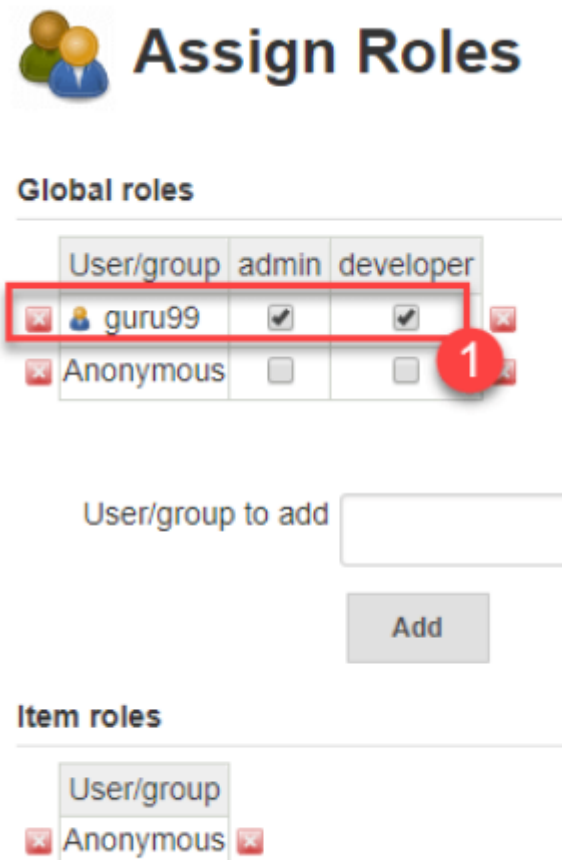
1
developer

2
Add

Project roles

Step 5 : Assign Roles

Add the roles to users in Assign Roles sections



The image shows a web interface titled "Assign Roles" with a header icon of three colored spheres. It is divided into two main sections: "Global roles" and "Item roles".

Global roles

User/group	admin	developer
guru99	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Anonymous	<input type="checkbox"/>	<input type="checkbox"/>

A red rectangle highlights the row for "guru99". A red circle with the number "1" is positioned next to the "developer" checkbox for "guru99".

Below the table, there is a text input field labeled "User/group to add" and an "Add" button.

Item roles

User/group
Anonymous

Sending Email Notification

Using the email plugin, you configure the email details of the concerned person who should be notified in case of build failure

