Jenkins ACL Setup

Step 1:

Install "Role-based Authorization Strategy" Plugin

1. Goto Manage Jenkins Manager Plugins available tab search for "Role-based Authorization Strategy" plugin: install and restart

Reference: https://plugins.jenkins.io/role-strategy/

Step 2:

Enabling Role-based Authorization:

1. Goto Manage Jenkins Configure Global Security
   a. Under Authorization select Role-Based Strategy and save.

Step 3:

Create roles and assign privileges

1. Goto Manage Jenkins Manage and Assign Roles "Manage Roles"

New Item

People

Build History

Project Relationship

Check File Fingerprint

Job Config History

🔒 Manage and Assign Roles

Manage Roles
Manage Roles

Assign Roles
Assign Roles

Role Strategy Macros
Provides info about macro usage and available macros

2. Creation of Global roles

    a. Provide the role name under "Global roles" "Role to add" text box and click add

    b. Select the role accesses as per the requirement

Manage Roles

Global roles

Role	Overall			Credentials					Agent											
	Administer	Read	SystemRead	Create	Delete	ManageDomains	Update	View	Build	Configure	Connect	Create	Delete	Disconnect	ExtendedRead	Provision	Build	Cancel	Configure	C
❌ admin	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	
❌ devops	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☑	☑	

Role to add

devops

Add

3. Creation of Item Roles

    a. Provide role name in "role to add" text box and

    b. Enter the Pattern for job to which this role should have access. and click add

    c. Repeat the same for all the item roles.

    d. Click on Save

Item roles

Role	Pattern	Credentials					Job										Run			Job Config History	SCM	Lockable Resources		
		Create	Delete	ManageDomains	Update	View	Build	Cancel	Configure	Create	Delete	Discover	ExtendedRead	Move	Read	Workspace	Delete	Replay	Update	DeleteEntry	Tag	Reserve	Unlock	View
az-prod	"az-prod.*"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
az-stage	"az-stage.*"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐
fun2-prod	"fun2-prod.*"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
fun2-stage	"fun2-stage.*"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
rr-prod	"rr-prod.*"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
rr-stage	"rr-stage.*"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Role to add

Pattern

Add

Step 4:

Assign roles to the users

1. Goto Manage Jenkins Configure Global Security Assign roles
2. Under global roles section, enter the user name for which you want to assign the global role and click on add button.
3. Select the global role for that user
4. Do the same for all the required users.

Global roles

	User/group	admin	devops	
	argoid	✓	☐	
	azadea-prod	☐	✓	
	azadea-stage	☐	✓	
	fun2-prod	☐	✓	
	fun2-stage	☐	✓	
	rarerabbit-prod	☐	✓	
	rarerabbit-stage	☐	✓	
	Anonymous	☐	☐	

User/group to add

Add

5. Under item roles section, enter the user name for which you want to assign the item role and click on add button.

6. Select the item roles for that user

7. Do the same for all the required users.

8. And Click on save

Item roles

	User/group	az-prod	az-stage	fun2-prod	fun2-stage	rr-prod	rr-stage	
☒ 👤	azadea-prod	☑	☐	☐	☐	☐	☐	☒
☒ 👤	azadea-stage	☐	☑	☐	☐	☐	☐	☒
☒ 👤	fun2-prod	☐	☐	☑	☐	☐	☐	☒
☒ 👤	fun2-stage	☐	☐	☐	☑	☐	☐	☒
☒ 👤	rarerabbit-prod	☐	☐	☐	☐	☑	☐	☒
☒ 👤	rarerabbit-stage	☐	☐	☐	☐	☐	☑	☒
☒	Anonymous	☐	☐	☐	☐	☐	☐	☒

User/group to add   ❓

Add