# 1)Jenkins Role Based- Strategy for Creating and Giving Access to Jenkins dashboard.

- We need to install **a Role-based Authorization Strategy** plugin.
- create user in jenkins Manage Jenkins> Users (create/delete/modify) give uname , psswd, email.

- go to manage jenkins > security > Authentication > in Security Realm >select jenkins own user database > in Authorization > select role base strategy.

- After this we will get **the Manage and Assign Roles** option inside manage jenkins.

- select Manage and Assign Roles> select Manage Roles > in Global roles > click  role to add (example name: Developers) for that we need to select permissions, restricts to build, cancel and view jobs.

## Manage Roles

Global roles

| Role | Overall | | | | | | Credentials | | | | | | Agent | | | | | | | | Job | | | | | | | | | Run | | | View | | | | SCM | Metrics | | |
|------|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Administer | Read | Create | Delete | ManageDomains | Update | View | Build | Configure | Connect | Create | Delete | Disconnect | Provision | Build | Cancel | Configure | Create | Delete | Discover | Move | Read | Workspace | Delete | Replay | Update | Configure | Create | Delete | Read | Tag | HealthCheck | ThreadDump | View | | | | | | | |
| Developers | ☐ | ☑ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☑ | ☑ | ☐ | ☐ | ☐ | ☐ | ☐ | ☑ | ☑ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | | | | | | | |

**SAVE & APPLY**

Now add global role in manage roles to assign role to assign permissions to users

- select assign role > in Global roles > click add user, add the user which we created and select the Global roles what we created (EX: Developers)

**Global roles**

Filter by User/Group

| User/Group | Developers |
|---|---|
| 👤 Anonymous | ☐ |
| 👥 Authenticated Users | ☐ |
| 🗑 👤 Gowtham K | ☐ |
| 🗑 👤 Mahendran Chinnasamy | ☐ |
| 🗑 👤 K Ramakrishnan | ☐ |
| 🗑 👤 Reddipalli Tharun Kumar | ☐ |
| 🗑 👤 Saiyyadfatesh Hydrabad | ☐ |
| 🗑 👤 Syed Mubarak | ☐ |
| 🗑 👤 Kanchana GM | ☐ |
| 🗑 👤 Karthick K | ☐ |
| 🗑 👤 Pradeep Nadimpalli | ☐ |
| 🗑 👤 Rajesh Kumar Karthigesan | ☐ |
| 🗑 👤 Soham sen | ☐ |
| 🗑 👤 zbx_monitor | ☐ |

[] select which user wants that Developer permission.


**2)Giving Access to Users for particular projects:**

[] select Manage Roles>in item role>click role to add, like project name and in pattern mention the job name.

Role to add

Pattern  ?

Permission Template

None ⌄

[] select the permissions for the job, user will get those permissions only.

## Item roles

| Role | Pattern | Template | Credentials | | | | | Job | | | | | | | | | Run | | | View | | | | SCM | Metrics | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | Create | Delete | ManageDomains | Update | View | Build | Cancel | Configure | Create | Delete | Discover | Move | Read | Workspace | Delete | Replay | Update | Configure | Create | Delete | Read | Tag | HealthCheck | ThreadDump | View |
| County_Extraction | ✎ "County_Extraction" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| QMS | ✎ "QMS" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| batch-processing-api | ✎ "batch-processing-api" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| nest-avr | ✎ "nest-avr" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| nest-ulrs | ✎ "nest-ulrs" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| ng-ULRS | ✎ "ng-ULRS" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| ng-avr | ✎ "ng-avr" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| ng-batch-processing | ✎ "ng-batch-processing" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| ng-package-typing | ✎ "ng-package-typing" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| package_typing_api | ✎ "package_typing_api" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |
| qms-api | ✎ "qms-api" | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | | | | ✓ | | | | |

[] select assign roles> in items roles>add user, select which user want, which project permission.

## Item roles

| User/Group | County_Extraction | QMS | batch-processing-api | nest-avr | nest-ulrs | ng-ULRS | ng-avr | ng-batch-processing | ng-package-typing | package_typing_api | qms-api |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Anonymous | | | | | | | | | | | |
| Authenticated Users | | | | | | | | | | | |
| Gowtham K | | ✓ | | | | | | | | | ✓ |
| Mahendran Chinnasamy | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| K Ramakrishnan | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Reddipalli Tharun Kumar | ✓ | | | | | | | | | | |
| Syed Mubarak | | | | | ✓ | ✓ | | | | | |
| Karthick K | | ✓ | | | ✓ | ✓ | | | ✓ | ✓ | ✓ |
| Saiyyadfatesh Hydrabad | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Add User  Add Group

[] in jenkins dashboard click '+' to create new view. It will help to list the jobs, like when we have the number of jobs for backend and frontend. Create new views we can list the jobs by mentioning backend and frontend name.

| | All | backend | forntend | monitoring | + | | | |
|---|---|---|---|---|---|---|---|---|

| S | W | Name ↓ | Last Success | Last Failure | Last Duration | | F |
|---|---|---|---|---|---|---|---|
| ⊙ | ☀ | backend1 | N/A | N/A | N/A | ▷ | ☆ |
| ⊙ | ☀ | backend2 | N/A | N/A | N/A | ▷ | ☆ |
| ⊙ | ☀ | backend3 | N/A | N/A | N/A | ▷ | ☆ |

| | All | backend | forntend | monitoring | + | | | |
|---|---|---|---|---|---|---|---|---|

| S | W | Name ↓ | Last Success | Last Failure | Last Duration | | F |
|---|---|---|---|---|---|---|---|
| ⊙ | ☀ | frontend1 | N/A | N/A | N/A | ▷ | ☆ |
| ⊙ | ☀ | frontend2 | N/A | N/A | N/A | ▷ | ☆ |
| ⊙ | ☀ | frontend3 | N/A | N/A | N/A | ▷ | ☆ |