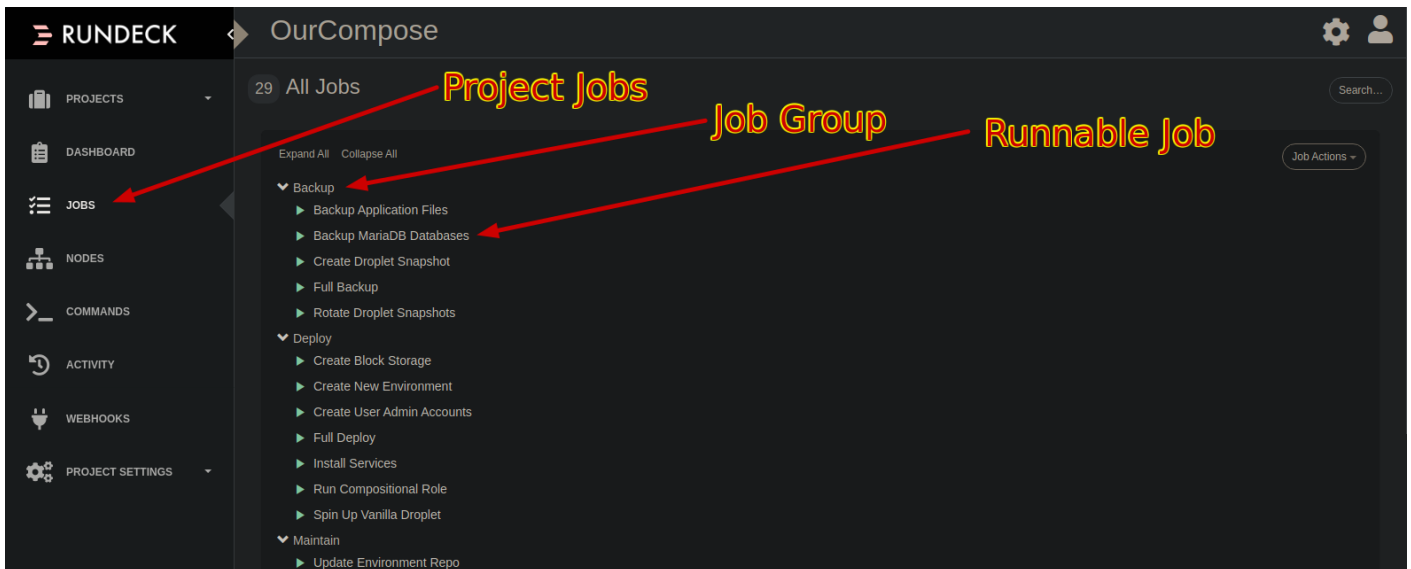


# Jobs

## Main Jobs Page

<https://docs.rundeck.com/docs/manual/04-jobs.html>

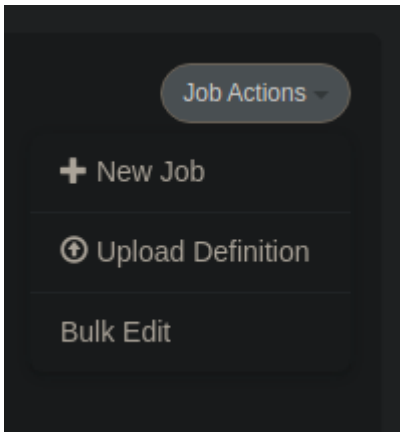


The "Jobs" link on the left-hand column will take us to a listing of all the jobs in this project. From there, all runnable jobs are displayed in alphabetical order in their Job Group.

NOTE: Jobs do not have to have a Job Group. If they don't, they will be displayed at the bottom underneath all of the job groups.

## New Job

The top right "Job Actions" button will provide an option to create a new job:



There are only two required fields:

1. **Details > Job Name**
2. **Workflow > Step**

Everything else is optional

## Details

- Job Name: Shows up on main jobs page
- Job Group: Section on main jobs page
- Description: Shows up as small text under job on main jobs page

## Workflow

<https://docs.rundeck.com/docs/manual/job-workflows.html>

This spells out the steps and variables to use for the job.

**NOTE:** Every change in each of the following sections has to be saved separately before the workflow itself can be saved.

## Options

<https://docs.rundeck.com/docs/manual/job-options.html>

Arguments/variables that are set when the job is run. Notable options are:

- Option Name: The name you will use to pass it to the steps
- Option Label: The prompt you will see when you go to run the job
- Input Type: One of Text/Date/Secure (passwords)

- Allowed Values: comma-separated list
- Restrictions: Can enforce from the Allowed Values list

## Workflow Control

Several options pertaining to the workflow itself are present separate from the steps:

- If a step fails either stop immediately or run the rest before failing
- Strategy: Node First/Parallel/Sequential
  - See the "Explain" menu for more details
- Global Log Filters: <https://docs.rundeck.com/docs/manual/log-filters/>
  - Mask Passwords
  - Key/Value Data

## Steps

Here are where the actual executions are structured. There are a lot of options and ways to construct this, so I'll only lay out what I'm familiar with:

- Node Steps: Runs once for every node
  - Command: Run a command from the command line
  - Script: Run a shell script
  - Job Reference: Run another job
- Workflow Steps: Runs once per workflow
  - Job Reference: Run another job
  - Global Variable: Set global variables to be used in other steps or notifications
  - Flow control: *Halt* indicates that the execution should halt. Enter a *Status* to halt with a custom status string. Otherwise, enable *Fail* to exit with failure, or not to exit with success.

NOTE: This is where plugins will usually be adding functionality.

## Nodes

Remote nodes or locally. We always execute locally.

## Schedule

- Run Repeatedly: Actually schedule when you want it to run
- Enable Scheduling: Turning the repeat runs on/off
- Enable Execution: Allow/Disallow ANYONE to run it at all

# Notifications

<https://docs.rundeck.com/docs/manual/jobs/job-notifications.html>

- On Start
- On Success
- On Failure
- On Retryable Failure
- Average Duration Exceeded

## Other

- Log Level: Debug level produces more output
- Multiple Executions: Allow this Job to be executed more than one time simultaneously
- Limit Multiple Executions: Max number of multiple executions
- Timeout
- Retry
- Default Tab: Nodes/Log Output/HTML

FWIW, the Log Output is very handy when executing locally to simply jump directly to the output.

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