Utilizing the Workbench Job Launcher

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The Workbench Jobs pane

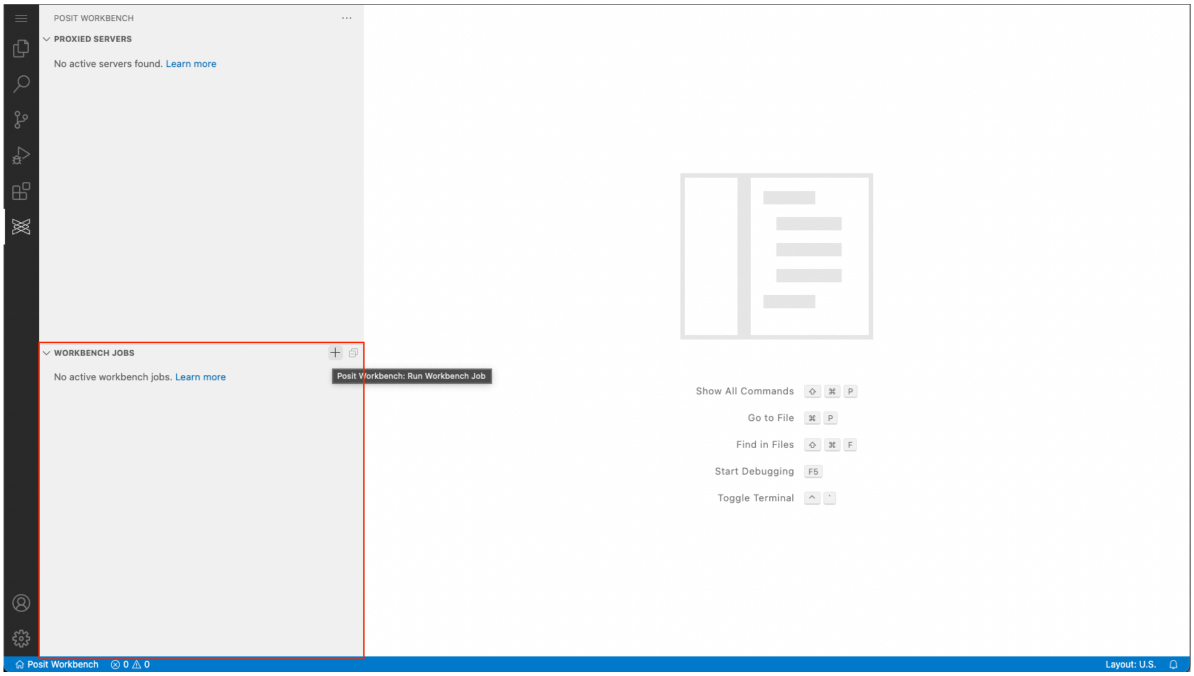
Navigate to the Posit Workbench Extension tab in the left sidebar to view the Workbench Jobs pane, which provides controls for starting new jobs as well as a list for viewing the status of existing jobs.

Start a Workbench Job

Click on the '+' icon in the top right of the Workbench Jobs pane to open the Launcher options for a new job. This dialog is similar to the one in RStudio Pro. To enable the launch button, the job name must be specified, and the script extension must either be `.r` or `.py`.

If you have been previously working on an R or Python script file, the launcher will automatically start with this script specified as the **Script** parameter. If you have opened a directory in VS Code, the **Working Directory** parameter will also be set; otherwise, it will default to your home directory. You can click on the **Script** and **Working Directory** fields to browse the file system and change them from their default values.

Depending on your last actions in VS Code, or if there is no active script file, the launcher dialog will appear without the **Script** and **Working Directory** set by default. Use the browse functionality to specify the desired paths in this case, and the dialog will present more script options once you have selected a script with a supported extension.



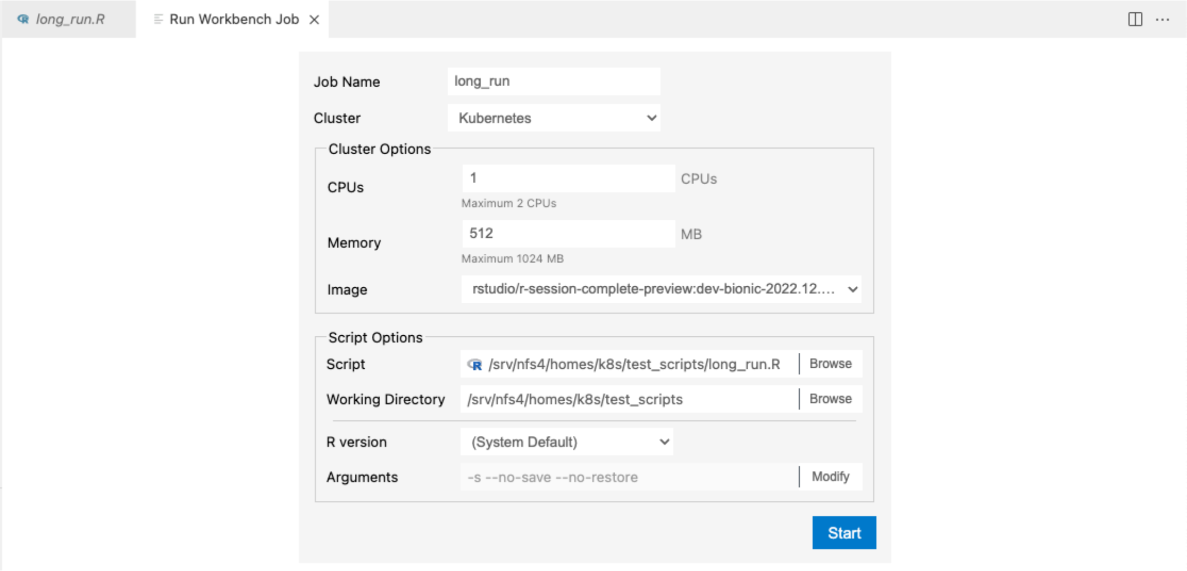
POSIT WORKBENCH

PROXIED SERVERS

No active servers found. Learn more

WORKBENCH JOBS

No active workbench jobs. Learn more



Job Name	long_run
Cluster	Kubernetes

Cluster Options

CPUs	1 CPUs Maximum 2 CPUs
Memory	512 MB Maximum 1024 MB
Image	rstudio/r-session-complete-preview:dev-bionic-2022.12.…

Script Options

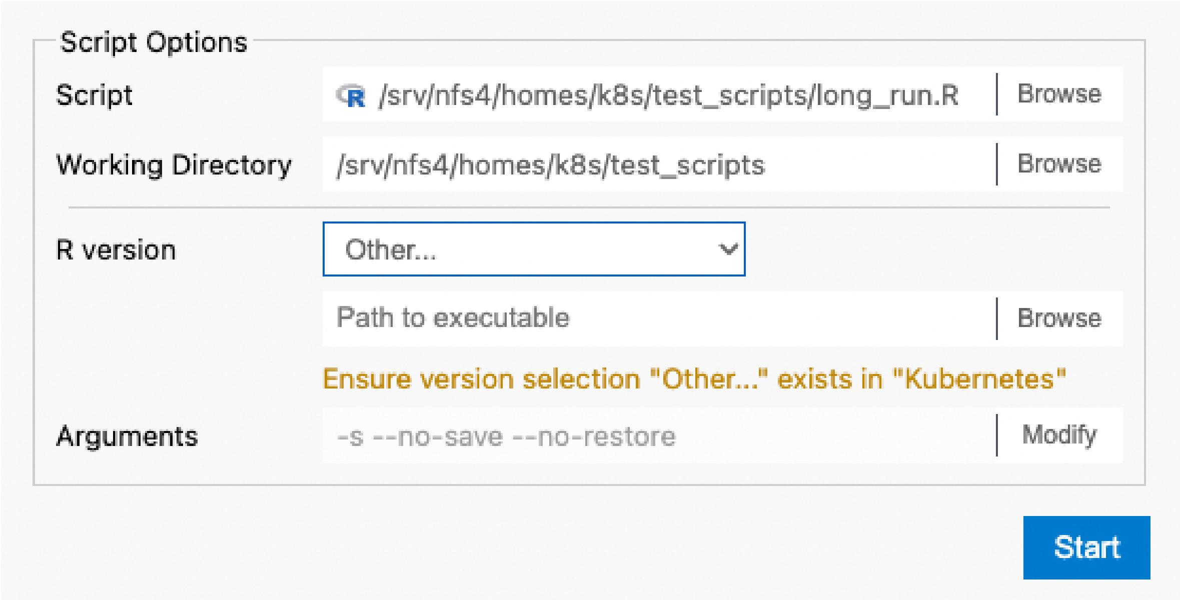
Script	/srv/nfs4/homes/k8s/test_scripts/long_run.R
Working Directory	/srv/nfs4/homes/k8s/test_scripts
R version	(System Default)
Arguments	-s --no-save --no-restore

Version and Arguments

The **Version** and **Arguments** parameters are preconfigured based on the type of script selected. (System Default) is a safe option for running jobs in clusters like Kubernetes, which may not include the R Versions presented in the drop-down. The version information is pulled from the local server, and not from the Kubernetes image, so it is possible there could be a version mismatch. A reminder is displayed if you select a non-local cluster and specify a version other than (System Default).

(System Default) calls R or Python3 directly, and assumes that they are specified on the `PATH` variable. Local Version information is read from the `r-versions` and `py-versions` files, which are typically located at `/var/lib/rstudio-server/r-versions` and `/var/lib/rstudio-server/py-versions` respectively. The path to the `r-versions` file can be adjusted in rserver.conf.

The user can also specify a custom path by selecting the **Other...** option and browsing for it, or by typing a custom path directly into the text field.



Script Options

Script: /srv/nfs4/homes/k8s/test_scripts/long_run.R

Working Directory: /srv/nfs4/homes/k8s/test_scripts

R version: Other...

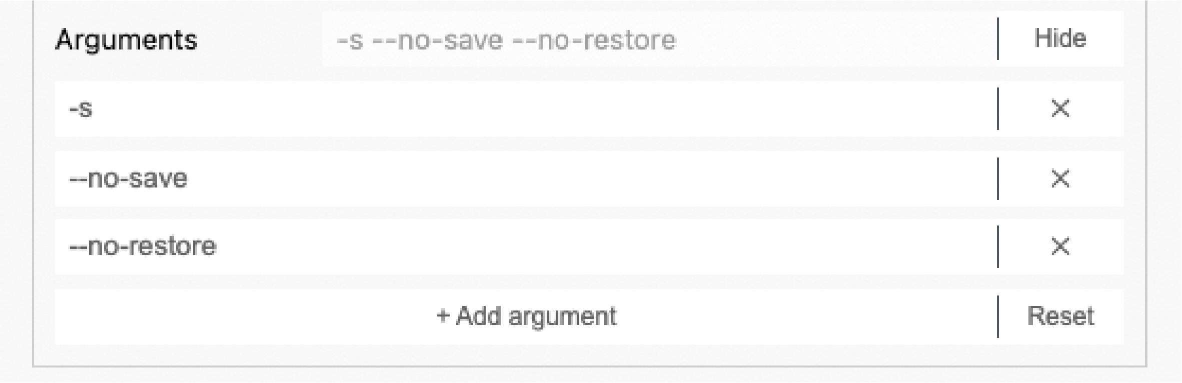
Path to executable

Ensure version selection "Other..." exists in "Kubernetes"

Arguments: -s --no-save --no-restore

If you want more control over the arguments, you can choose to modify them. When a script is first selected, the arguments are displayed as they would be passed. In order to make changes, you must click **Modify** next to the argument preview.

You can type argument flags or values into the existing fields to make changes, remove individual arguments by clicking the 'X' buttons next to each one, add new arguments by clicking **+ Add argument,** or reset them to their provided defaults by clicking **Reset.** Any changes, deletions, or additions made to these fields are previewed in the preview line above.

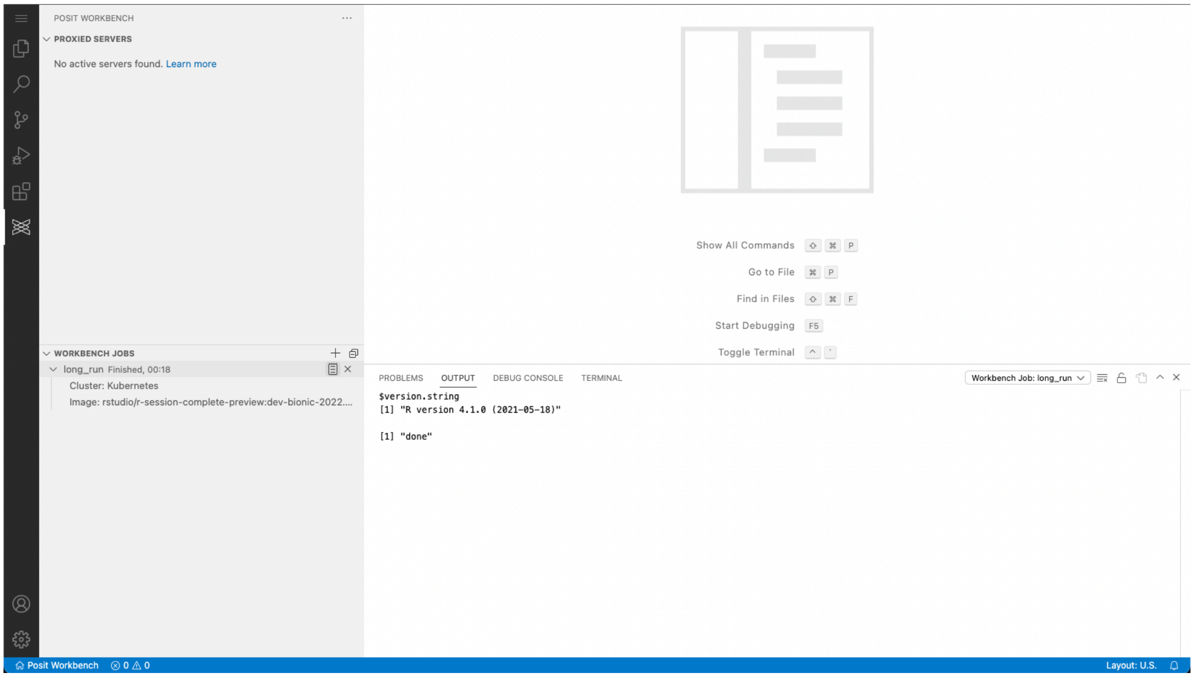


Arguments: -s --no-save --no-restore

- -s
- --no-save
- --no-restore

Viewing and Managing Jobs

Once a job has been submitted, it will appear in the **Workbench Jobs** pane and update automatically. This list mirrors the list displayed on the homepage.



No active servers found. Learn more

long_run Finished, 00:18
Cluster: Kubernetes
Image: rstudio/r-session-complete-preview:dev-bionic-2022....

```
$version.string
[1] "R version 4.1.0 (2021-05-18)"

[1] "done"
```

The drop-down arrow next to each job shows additional details about the job, and in the event of a failure, what the non-zero exit code was.

The "Notepad" icon on the right, adjacent to the 'X' icon, opens that job's output stream and views it in the VS Code **Output** pane. The Output pane should be automatically opened, but if not, then you can display it with View > Output.

The ‘X’ icon on the far right allows you to stop a running job. Additional confirmation is required for this operation.