## star-for-criu

RRID:SCR_016294
Type: Tool

## Proper Citation

star-for-criu (RRID:SCR_016294)

## Resource Information

**URL:** https://hub.docker.com/r/biodepot/star-for-criu/

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**Description:** Software as an Hot Start software container for STAR alignment using CRIU (Checkpoint Restore in Userspace) tool to freeze the running container. Can be deployed to align RNA sequencing data. Used in the processing of biomedical big data for better reproducibility and reliability.

**Resource Type:** data processing software, alignment software, image analysis software, software resource, software application

**Keywords:** hot, start, container, star, aligner, sequencing, data, processing, biomedical, cloud, reproducibility, RNA, analysis, computing, environment

**Funding:** NHLBI U54 HL127624;
AMEDD Advanced Medical Technology Initiative ;
NIGMS R01 GM126019

**Availability:** Free, Freely available, Available for download

**Resource Name:** star-for-criu

**Resource ID:** SCR_016294

**Alternate URLs:** https://github.com/paizhang/Hotstarting-For-STAR-Alignment

**License:** MIT, CC-BY-NC-ND 4.0 International license

**Record Creation Time:** 20220129T080330+0000

**Record Last Update:** 20250426T060536+0000

## Ratings and Alerts

No rating or validation information has been found for star-for-criu.

No alerts have been found for star-for-criu.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF.

Zhang P, et al. (2018) Hot-starting software containers for STAR aligner. GigaScience, 7(8).