

# XCache in Rucio

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# Transparent caches

- Xcache URL preprends are a **site specific configuration** in Rucio, not a new type of storage or attribute for existing RSEs

```
rucio-admin config set --section root-proxy-internal  
--option UKI-SOUTHGRID-CAM-HEP  
--value xcache01.hep.phy.cam.ac.uk:1094
```

Site

Xcache

- Rucio prepended URLs (PFNs) are just like any other URL in Rucio
  - Integrated in all workflows: list-replicas, download, archives, metalink, ...
- Prepend of URL dependent on **client location**
  - `SITE_NAME=<ATLAS SITE NAME>` for Rucio clients & Pilot is set automatically by ALRB
  - For all other calls (e.g., `curl`) must be done through HTTP header





# More information

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Website



<http://rucio.cern.ch>

Documentation



<https://rucio.readthedocs.io>

Repository



<https://github.com/rucio/>

Images



<https://hub.docker.com/r/rucio/>

Online support



<https://rucio.slack.com/messages/#support/>

Developer contact



[rucio-dev@cern.ch](mailto:rucio-dev@cern.ch)

Journal article



<https://arxiv.org/abs/1902.09857>

Twitter



<https://twitter.com/RucioData>