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# LFC Service Help

This page will collect all the necessary information and advice on how to :

- deploy the LFC in the context of the Service Challenges
- install, configure and run the LFC

## Who should install the LFC ?

For Service Challenge 3, it depends on the VOs your site supports :

- **Alice** : the Tier-0, Tier-1s and Tier-2s involved in SC3 should all install an LFC instance. The LFC will act as a local site catalog : it will only contain the entries stored at the site where it is installed.
- **Atlas** : the Tier-0, Tier-1s and Tier-2s involved in SC3 should all install an LFC instance. The LFC will act as a local site catalog : it will only contain the entries stored at the site where it is installed.
- **CMS** : no LFC instance required, but if one is provided it could be used by CMS via POOL. (A site-local catalog is required at all sites - the exact flavour to be agreed with CMS).
- **LHCb** : only the Tier-0 has to install the LFC (central catalog model). At some point, read-only replicas of the LFC to be deployed at selected Tier-1 sites.

## What is the LFC Pilot ?

In order to allow the experiment to gain familiarity with the LFC and to run scalability and performance tests, a pilot has been set up, with the machines hosted at CERN. the machines are:

Experiment	Hostname
ALICE	lfc-alice-test.cern.ch
ATLAS	lfc-atlas-test.cern.ch
CMS	lfc-cms-test.cern.ch
LHCb	lfc-cms-test.cern.ch

Information on migrating data between an **EDG RLS** Catalog and the LFC is at the LCG GOC Wiki<sup>↗</sup>. If you require assistance in migrating data from the existing experiment **EDG RLS**, please contact [hep-service-lfc@cern.ch](mailto:hep-service-lfc@cern.ch).

- Steps to follow to include a new VO

## LFC installation and configuration

Please refer to the GOC Wiki Page, where you will find the most up-to-date documentation : [http://goc.grid.sinica.edu.tw/gocwiki/How\\_to\\_set\\_up\\_an\\_LFC\\_service](http://goc.grid.sinica.edu.tw/gocwiki/How_to_set_up_an_LFC_service)<sup>↗</sup>

## Questions about the LFC ?

If you have any question or encounter any problem, please contact : [hep-service-lfc@cernNOSPAMPLEASE.ch](mailto:hep-service-lfc@cernNOSPAMPLEASE.ch)

-- Main.slemaitr - 23 Jun 2005

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