

# Table of Contents

|   |          |
|---|----------|
| <b>Space tokens deployment.....</b>             | <b>1</b> |
| Space tokens after April 2011.....              | 1        |
| The migration to a new space tokens schema..... | 1        |
| Space tokens up to April 2011.....              | 1        |
| T1 setup.....                                   | 2        |
| Monitoring.....                                 | 2        |
| Global.....                                     | 2        |
| RAL.....  | 2        |
| SARA-MATRIX.....                                | 2        |
| -CC.....  | 2        |
| PIC.....  | 2        |
| FZK.....  | 3        |
| INFN-T1.....                                    | 3        |
| CERN-PROD.....                                  | 3        |

# Space tokens deployment

## Space tokens after April 2011

After this date, LHCb has 3 space tokens at each T1 site plus T0

- LHCb-Disk and LHCb\_USER: type T0D1
- LHCb-Tape: type T1D0

A summary of the space usage as reported by SRM and by LFC [here](#)

## The migration to a new space tokens schema

After first year of data taking, LHCb decided to move to a more simple schema for managing its space at sites, reducing the number of space tokens. Some more details [here](#) about the motivations and how it was done [here](#).

## Space tokens up to April 2011

- CERN (all space tokens OK)
  - ◆ LHCb\_USER:replica:online
  - ◆ LHCb\_RAW custodial:nearline
  - ◆ LHCb\_M-DST custodial:online
  - ◆ LHCb\_RDST custodial:nearline
  - ◆ LHCb\_FAILOVER replica:online
  - ◆ LHCb\_MC\_M-DST custodial:online
- CNAF (all space tokens OK)
  - ◆ LHCb\_USER:replica:online
  - ◆ LHCb\_RAW custodial:nearline
  - ◆ LHCb\_M-DST custodial:online
  - ◆ LHCb\_DST replica:online
  - ◆ LHCb\_RDST custodial:nearline
  - ◆ LHCb\_FAILOVER replica:online
  - ◆ LHCb\_MC\_M-DST custodial:online
  - ◆ LHCb\_MC\_DST replica:online
- RAL (all space tokens: OK)
  - ◆ LHCb\_RAW custodial:nearline
  - ◆ LHCb\_M-DST custodial:online
  - ◆ LHCb\_DST replica:online
  - ◆ LHCb\_RDST custodial:nearline
  - ◆ LHCb\_FAILOVER replica:online
  - ◆ LHCb\_MC\_M-DST custodial:online
  - ◆ LHCb\_MC\_DST replica:online
  - ◆ LHCb\_USER:replica:online
- GRIDKA(all space tokens are OK)
  - ◆ LHCb\_RAW custodial:nearline
  - ◆ LHCb\_M-DST custodial:online
  - ◆ LHCb\_DST replica:online
  - ◆ LHCb\_RDST custodial:nearline
  - ◆ LHCb\_FAILOVER replica:online
  - ◆ LHCb\_USER:replica:online
  - ◆ LHCb\_MC\_M-DST custodial:online
  - ◆ LHCb\_MC\_DST replica:online

- PIC (all space tokens OK)
  - ◆ LHCb\_USER:replica:online
  - ◆ LHCb\_RAW custodial:nearline
  - ◆ LHCb\_M-DST custodial:online
  - ◆ LHCb\_DST replica:online
  - ◆ LHCb\_RDST custodial:nearline
  - ◆ LHCb\_FAILOVER replica:online
  - ◆ LHCb\_MC\_M-DST custodial:online
  - ◆ LHCb\_MC\_DST replica:online
- IN2P3 (all space tokens OK)
  - ◆ LHCb\_USER:replica:online
  - ◆ LHCb\_RAW custodial:nearline
  - ◆ LHCb\_M-DST custodial:online
  - ◆ LHCb\_DST replica:online
  - ◆ LHCb\_RDST custodial:nearline
  - ◆ LHCb\_FAILOVER replica:online
  - ◆ LHCb\_MC\_M-DST custodial:online
  - ◆ LHCb\_MC\_DST replica:online
- SARA (FAILOVER space)
  - ◆ LHCb\_RAW custodial:nearline
  - ◆ LHCb\_M-DST custodial:online
  - ◆ LHCb\_DST replica:online
  - ◆ LHCb\_RDST custodial:nearline
  - ◆ LHCb\_MC\_M-DST custodial:online
  - ◆ LHCb\_MC\_DST replica:online

## T1 setup

## Monitoring

By querying the information system it is possible to obtain information on the sites which have defined and published LHCb space tokens. The plots below show the available space. Information is also available for the used space. The core monitoring system can be found here: <http://wn3.epcc.ed.ac.uk/srm/xml/>

### Global

### RAL

### SARA-MATRIX

### -CC

### PIC

**FZK**

**INFN-T1**

**CERN-PROD**

- The requested breakdown of space token for 2009 can be found here

-- RobertoSantinel - 03 Sep 2008

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This topic: LHCb > SpaceTokensDeployment

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