

CRAN Mirror in Iceland

`cran.hafro.is`

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CRAN

- Main site: <http://cran.r-project.org>
Wirtschaftsuniversität Wien, Austria
- 98 CRAN mirrors in 47 countries

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- Setup
 - Current disk space requirement: 113 GB
 - Apache web server, `rsync` synchronization
 - Easy installation in a GNU/Linux based environment

CRAN Iceland

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Location: MRI Server Room, Skúlagata 4

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- The Icelandic University Research Network (RHnet)

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- Hardware
 - IBM BladeCenter-H
 - 3 × HS22v blades
 - 6 CPUs, 432 GB memory
 - Storwize V7000 Storage System
 - IBM 249824E SAN Switches
 - VMware vSphere 5.5 Enterprise
 - CentOS Linux 6.5, 64-bit

MRI Server



MRI Server

- Apache Virtual Host
- Nightly updates using cron

```
rsync -rtlz -delete cran.r-project.org::CRAN /opt/cran
```


Using the Mirror

- Download **R** from local mirror

Open <http://cran.hafro.is> in web browser

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Manually: select Iceland (cran.hafro.is) each time

Automatically: customize `.Rprofile` in home directory to

```
options(repos="http://cran.hafro.is")
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- Benefits

- 1 fast download
- 2 reduce load from mirrors in other countries (.no .dk .uk)
- 3 update R without affecting download limit