Computational Aspects and Windows Related Community Services on CRAN

Uwe Ligges

Fakultt Statistik, Technische Universitt Dortmund, Dortmund, Germany
ligges@statistik.tu-dortmund.de

Keywords: CRAN, packages, community service, parallelization, Windows

With the growth of the package repositories on CRAN, more and more has to be automated:

We will be talking about computational issues like the parallelization of package installation and package checking to be able to check a 1700 packages containing repository in less than 24 hours. It will be shown how much of parallelization is possible and how does this affect the useR! world of contributed packages on CRAN.

Another issue is the update handling on CRAN. If package updates are submitted, 'inverse recursive' checks on packages that depend on those updated packages need to be run in order to see that newly introduced features or changes do not break code in dependent packages. Some package maintainer might have seen first results of these fairly new check services.

Moreover, the community services provided (such as the binary repositories for Mac and Windows binaries) or the winbuilder service (a machine that allows users to upload source packages and that returns check results and a Windows binary package) will be presented – the latter in an online session.