

cdk2024 #5: Chemistry Development Kit User Group Meeting - Day 2



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Keywords

Cdk, Openscience, Cdk2024

Abstract

Where the first workshop day had several talks about new and old features of the Chemistry Development Kit (CDK), the second day was a hackathon day. We hacked and we talked.

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Where [the first workshop day](#) had several talks about new and old features of the [Chemistry Development Kit](#) (CDK), the second day was a hackathon day. We hacked and we talked. The coding was not mostly only the CDK repository itself, but [some things happened there](#) too:

main	All users	All time
Commits on Mar 11, 2025		
Catch the Factory configuration exception in SAX		
johnmay authored and egonw committed 5 days ago · 8 / 9		
f8621e5		
Remaining JavaDoc errors fixed		
johnmay committed 5 days ago · 9 / 9		
3ee4874		
Merge pull request #1168 from Mailaender/javadoc-cleanup		
johnmay authored 5 days ago · 9 / 9		
Verified 6e32a6b		
Fix JavaDoc warnings.		
Mailaender committed 5 days ago · 6 / 7		
7263da0		
New year		
egonw authored 5 days ago · 7 / 7		
Verified c0378cf		
New link		
egonw authored 5 days ago · 7 / 7		
Verified fd1ecce		
Merge pull request #1166 from cdk/remove/profilerAck		
johnmay authored 5 days ago · 7 / 7		
Verified 83bf0fc		
The free (for OS projects) license hasn't been used for some time now		
egonw authored 5 days ago · 9 / 9		
Verified c670ff9		

Some pointers:

- we worked on the [Groovy Cheminformatics with the Chemistry Development Kit](#) book
 - move the repository to the GitHub organisation
 - improved the build system
- it was explored how the CDK can generate SMILES for glycans
- continued work on updated tools using the CDK, e.g. [ChemViz2](#)
- code clean up, e.g. on [JavaDoc](#) and [the XML parsing](#)
- a [JChemPaint release, based on CDK 2.10](#), with a [flatpak for easy install on many Linux distributions](#)

We further had discussions about a possible change of the license (what it would involve) and OSGi support. The problem there is that Java packages can only exist in one OSGi bundle, and this is currently not the discuss. We discussed that the current modules were partially setup to clean up dependencies, and generally modularize the CDK (e.g. each module could have a separate person responsible). We now want to propose a larger **core** module which covers the common cheminformatics functionality. A final discussion point I want to mention is that there are serious hints that we may have the Chemistry Development Kit as JavaScript in the browser soon!

chem-bla-ics

I like to thank every one who joined the workshop, particularly those that travelled to Maastricht from the UK, Germany, and Bulgaria. Also thanks to the six participants online who joined on the first day!