

PORTAL DEVELOPMENT ON A NEW BASIS

*Dániel Pasztuhov, dani@iit.bme.hu
Imre Szeberényi, PhD, szebi@iit.bme.hu
BUTE DCEIT*

According to a research created last December, Eclipse is the most known Java IDE on the market (65%). A feature which is more important than its reputation is that Eclipse is an open system, and can be easily extended by new functions. As extensions Eclipse uses a so called plug-in technology. In this context plug-in is a compound of compiled Java classes and XML files which describe connections among plug-ins. In case of the Eclipse plug-in is not only used to extend an existing functionality, but – except for a minimal platform – the whole system is constructed from plug-in elements building one another.

Supporting parallel and grid job submission, we created Confllet system, which among others gives help for developers. For further simplification of development (configuration), we decided to develop an IDE. Eclipse due to its extensibility is proven to be an excellent basis to create the environment. The existing functionalities can be used, and further can be added relatively easily.

Eclipse plug-in developed for Confllet system wants to help the developer creating the configuration with the followings:

- With the help of it, configurator can create different file types.
- The basic ones can be edited by special editors
- View and controller, which are the basis of a configuration, can be edited by a text editor with syntax highlight.
- Plug-in contains windows for displaying variables, commands, and I18N keys and values.
- With the help of the plug-in, you can create the configuration archive, which is to be uploaded to the portal. Archive creation can also be automatic.

The presentation briefly introduces features and architecture of Eclipse, then describes the IDE developed for the Confllet system.