



IEC 61499

Automation Objects

Architecture of the Eclipse based *AutomationObjects* Designer



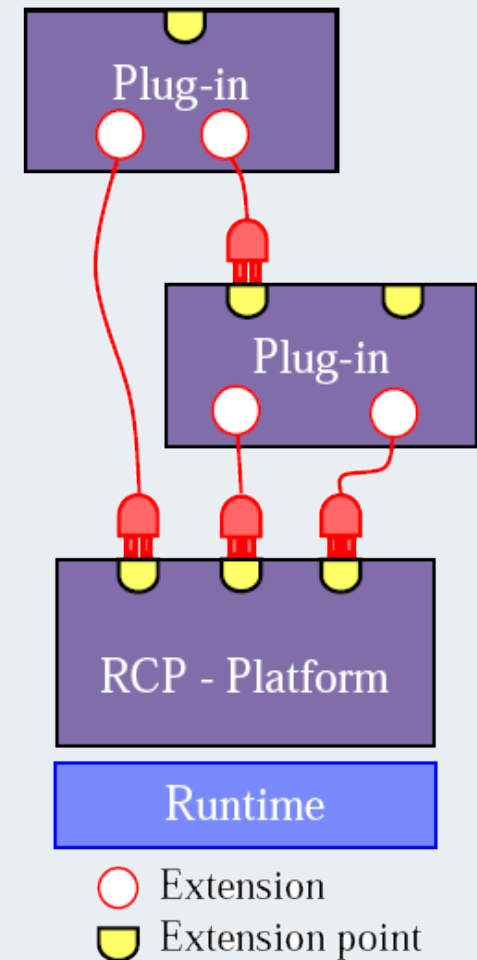
Why Eclipse ?

- **Eclipse is more than a Java IDE**
 - it has an open, extensible architecture
 - built out of layers of plug-ins
 - everybody can contribute plug-ins
- **Social implications**
 - every programmer can be a tool smith
 - creating opportunities for further extension makes it possible for the tool smith to benefit from the work of others
 - it has to be easy to install and manage plug-ins



Everything is a Plugin

- **Plugin == Component**
 - set of contributions
 - smallest unit of an Eclipse unit
- **Extension point**
 - named entity for collection contributions
(example: extension point to add additional code converter to the IEC 61499 Editor)
- **Extension**
 - a contribution
(example: a code converter from ST to Java)





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AO Designer Architecture

