

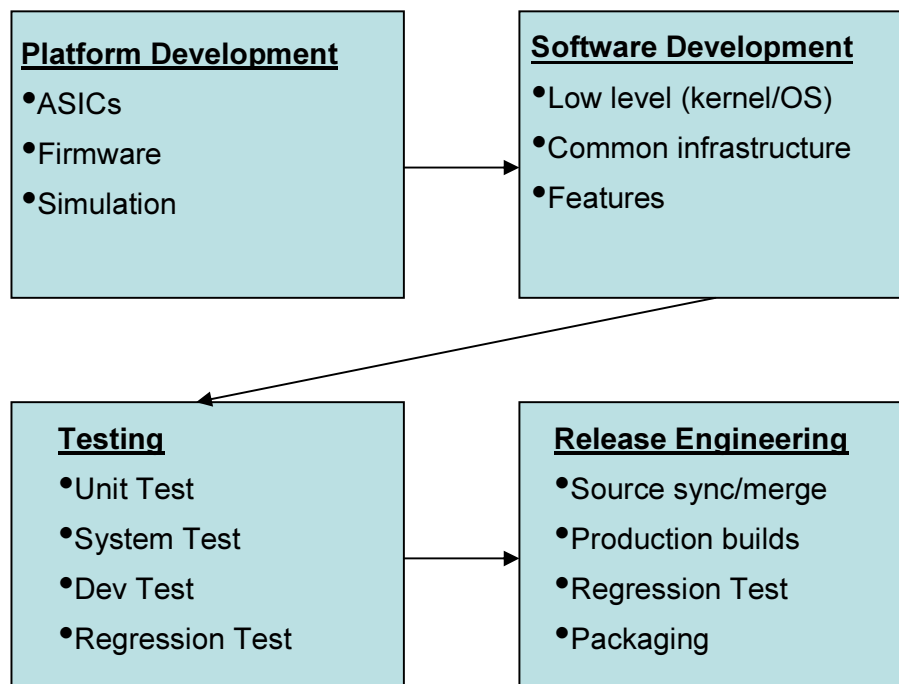
Eclipse Everywhere

Position Paper for Eclipse Language Symposium

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Our goal within my group for the greater Cisco Engineering and Information Technology community is to position Eclipse as a central platform for delivering IDE and tooling functionality. We would like to support everything from ASIC development to supplying a platform for engineers to write, debug and execute automation systems and scripts. In order for this vision to come to fruition we need strong support for dynamically typed languages such as PHP, Perl, Tcl and Python as well as the ability to easily extend Eclipse for other languages that may not be mainstream. Cisco has several million lines of Tcl automation code that would greatly benefit from this added support. Tcl has managed to find its way into every phase of development.



As we move from platform development to software development to testing and release engineering, we use Eclipse as a bridge. This bridge supplies the delivery mechanism for the IDE (often spanning more than a single programming language) and up to date tools.

Utilizing a standard Eclipse platform with several different bundles also means we train engineers once even if they decide to change functional areas. We need to be able to rapidly add support for next generation or in-house developed languages or notations.