

Presentation Abstract

Presentation Title	Verifying Software Architecture - An Executable Model
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Presentation Abstract	<p>Traditionally executable UML models means diagramming a system, generating code from the diagrams, compiling the generated code, and delivering the results as a functioning system. At IV&V we don't develop software; we validate and verify all software related artifacts. IV&V executable modeling language is a profile of UML that provides a lightweight method to validate and verify software architectures. Using UML activity diagrams, the software tool provides;</p> <ul style="list-style-type: none">· alternative model visualizations which reveal software interfaces· a means to animate UML activities· visual evidence of the analysis work performed <p>This assists the process of;</p> <ul style="list-style-type: none">· verification of the architecture· validation of design· validation of integration requirements· verification of interface design· verification of interface implementation