



Patterns for Integrating NIST 800-53 Controls into Security Assurance Cases

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Abstract. It is increasingly important to ensure that critical systems are appropriately secure and protected against malicious threats. In this paper, we present a novel pattern for Security Assurance Cases that integrates security controls from the NIST-800-53 cyber security standard into a comprehensive argument about system security. Our framework uses Eliminative Argumentation to increase confidence that these controls have been applied correctly by explicitly considering and addressing doubts in the argument.

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