

Developing Cyber Competition Infrastructure Using the Scrum Framework

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In March 2012, the Rocky Mountain Collegiate Cyber Defense Competition (RMCCDC) was hosted at Regis University and attended by seven colleges from the region. CCDC was developed by the University of Texas in San Antonio to provide a structured environment for practical education tied to well established information assurance learning objectives in the implementation of security techniques, strategies and processes. The Regis University infrastructure (Black) team designed the competition scenario to emulate an e-commerce web business. The pervasiveness of web application attacks resonated with the event developers at Regis University because of recent reported attacks against Valve, Inc. and their Steam video game retail and social networking service. This paper will outline at a high level the event architecture and technical infrastructure details, a discussion on Agile development methodologies (specifically Scrum) and how they can be applied to competition infrastructure development.