

Experimental Insights from the Rogues Gallery

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I. INTRODUCTION TO THE ROGUES GALLERY

The Rogues Gallery is a new deployment for understanding next-generation hardware with a focus on unorthodox and uncommon technologies. This testbed project was initiated in 2017 in response to Rebooting Computing efforts and initiatives. The Gallery's focus is to acquire new and unique hardware (the rogues) from vendors, research labs, and start-ups and to make this hardware widely available to students, faculty, and industry collaborators within a managed data center environment. By exposing students and researchers to this set of unique hardware, we hope to foster cross-cutting discussions about hardware designs that will drive future performance improvements in computing long after the Moore's Law era of cheap transistors.

