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The Modernization of 532 Corp

Abstract:

Iowa State University's Computer Engineering course 532 – Information Warfare, offers information assurance students a unique opportunity to learn tactics and techniques used by malicious hackers in the real world. As a component of the course, students conduct a lab and attack a fake organization operated by course faculty. The lab which debuted in 1996 has gone through a number of revisions yet has fallen out of date and does not adequately reflect real world threats. For my creative component I aim to re-engineer 532 Corp, ensuring that it adequately represents today's modern threat vectors in addition to increasing performance and maintainability while decreasing costs to operate the lab.