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# Cyber-X: Own Server Based Platform for Pentesting

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**Abstract:** *Security technology is important to security, but the practices of the people who develop, integrate, evaluate, configure, maintain, and use that technology are more important; indeed, these practices are the foundation of technical security. We argue that the flexibility of virtual environments will play a critical role in many cyber security related aspects. Problems like the assessment of newly devised intrusion detection techniques, the evaluation of skills of cyber defense team members, the evaluation of the disruptive effects caused by the diffusion of new malware, are just few examples of issues that cannot be directly addressed in production systems even though they require realistic operating environments in order to be suitably performed.*

**Keywords:** Virtual Environment, Cyber Attack, Security, Threats, Web Application Penetration Testing

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