

# **NimbusDDoS**

## *Sample Syllabus*

### **Basics of DDoS Attacks: A Technical Primer for IT Teams**

<b>Orientation</b>	<ul style="list-style-type: none"><li>▪ Instructor introduction</li><li>▪ Agenda/Course Overview</li><li>▪ Initial student assessment/quiz</li><li>▪ Round-table discussion of current state of DDoS preparedness within the organization</li><li>▪ Training's role within the DDoS preparedness pathway</li></ul>	<b>1 Hour</b>
<i>Break</i>		<i>10 Minutes</i>
<b>Introduction to DDoS Attacks</b>	<ul style="list-style-type: none"><li>▪ Defining DDoS / CIA Triad</li><li>▪ Impacts of DDoS Attacks</li><li>▪ Attacker Motivations</li><li>▪ Networking Refresher</li><li>▪ Attack Classifications</li></ul>	<b>2 Hours</b>
<i>Break for Lunch</i>		<i>30 Minutes</i>
<b>DDoS Attack Details</b>	<ul style="list-style-type: none"><li>▪ Fundamentals of an attack botnet</li><li>▪ Volumetric Attacks</li><li>▪ Protocol Attacks</li><li>▪ Layer-7 Attacks</li><li>▪ Reflection &amp; Amplification Attacks</li></ul>	<b>3 Hours</b>
<i>Break</i>		<i>10 Minutes</i>
<b>Lab Practical</b>	<ul style="list-style-type: none"><li>▪ Identifying DDoS Risk Areas</li><li>▪ Diagnosing and Identifying a DDoS Attack</li><li>▪ Round-table Discussion of Mitigation Approaches</li></ul>	<b>1 Hour</b>
<b>Conclusion</b>	<ul style="list-style-type: none"><li>▪ Final student assessment/quiz</li><li>▪ Next steps &amp; additional resources</li><li>▪ Open Q&amp;A</li></ul>	<b>1 Hour</b>