

# Attacks - DDoS

## Discovery and analysis of DDoS attacks

Partners : Danny Luu & Cris Javier

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### Timeline (Deadlines) :

- 4/5
  - Outline Topics and information covered in presentation
  - Assign parts/subtopics among group members
- 4/12
  - Have slides with appropriate topics and organize according to the outline
  - Assign additional parts/subtopics among group members, if needed
  - Finalize subtopics and talking points (last chance to add anything new)
  - Ensure that all group members have read sources and have a good understanding of the material
  - Create a schedule with deadlines for each subtopic to ensure everyone is on track
- 4/19
  - Rough draft: all slides should have at least a title and a rough idea of what the contents of the page will be
  - Place images when possible to enhance the presentation
  - Ensure that each slide has a clear and concise message
  - Review the rough draft as a group and provide feedback to each other
  - Start condensing the information for a proper presentation by the 2nd draft
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- 4/26
  - 2nd draft: all slides have titles and content within them
  - Condense the information to minimize redundancy and ensure that each slide has a clear and concise message
  - Add or remove images as needed to achieve a good ratio of images:text
  - Time the presentation to ensure that it fits within the allotted time
  - Review the 2nd draft as a group and provide feedback to each other
- 5/3
  - Finalize presentation: make any necessary changes to the slides, such as removing blocks of text or adding/moving/resizing/removing images
  - Review the final draft as a group and provide feedback to each

- other
- Have assigned presentation parts rehearsed to ensure that the presentation flows smoothly and everyone is prepared
- Practice the entire presentation as a group to ensure that it fits within the allotted time and is engaging for the audience
- Make any final touches to the presentation, such as adjusting font sizes or colors, or adding animations
- Double-check that all sources are cited correctly and that the presentation is free of errors

## Task Assignment :

### Danny Luu

- Reason & Objectives for attacks
- Tools Used in DDoS attacks (Botnets)
- Preventative / Mitigative Tactics
- Discovery and Resolution Tactics
- Noticeable symptoms of a DDoS attack
- Impact of DDoS and DoS attacks on businesses and organizations
- Techniques used to launch DDoS and DoS attacks
- Countermeasures for DDoS and DoS attacks
- Best practices for preventing DDoS and DoS attacks
- Incident response plan for handling DDoS and DoS attacks.

### Cris Javier

- What are DoS and DDoS?
  - Reason & Objectives for attacks
  - Method of attack (from start to end)
- Types of DoS and DDoS attacks
- Motivations for DDoS and DoS attacks
- Real-life examples of DDoS attacks
- The Statistics (of DDoS and DoS attacks)
- Emerging trends in DDoS and DoS attacks
- Legal implications of conducting DDoS and DoS attacks
- Training and education for employees to identify and respond to DDoS and DoS attacks.
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## Outline:

- ❖ I. Introduction
  - Definition of DoS and DDoS attacks
  - Why are they important to understand
- ❖ II. Types and Methods of DoS and DDoS Attacks

- Explanation of different types of attacks
- Step-by-step explanation of how attacks are carried out
- Emerging trends in DDoS and DoS attacks
- Techniques used to launch DDoS and DoS attacks
- ❖ III. Reasons and Objectives for Attacks
  - Motivations for DDoS and DoS attacks
  - Impact of DDoS and DoS attacks on businesses and organizations
- ❖ IV. Real-Life Examples and Statistics
  - Case studies of DDoS attacks on well-known companies or organizations
  - Statistics on the prevalence of DDoS and DoS attacks
- ❖ V. Tools and Techniques Used in DDoS Attacks
  - Overview of botnets and how they are used in attacks
  - Explanation of other tools used in DDoS attacks
- ❖ VI. Preventative and Mitigative Tactics
  - Best practices for preventing DDoS and DoS attacks
  - Countermeasures for DDoS and DoS attacks
  - Incident response plan for handling DDoS and DoS attacks
- ❖ VII. Legal Implications of Conducting DDoS and DoS Attacks
  - Explanation of the laws and regulations regarding DDoS and DoS attacks
- ❖ VIII. Training and Education for Employees
  - Best practices for training employees to identify and respond to DDoS and DoS attacks
  - Importance of ongoing education and training
- ❖ IX. Conclusion
  - Recap of key points
  - Importance of taking DDoS and DoS attacks seriously
  - Call to action for businesses and organizations to take steps to protect themselves. (Tentative)

## Covered Topics List

- ❖ What are DoS and DDos?
  - Reason & Objectives for attacks
  - Method of attack (from start to end)
  - Tools Used in DDoS attacks (Botnets)
- ❖ Real life examples of DDoS attacks?
- ❖ The Statistics (of DDoS and DoS attacks)
- ❖ Preventative / Mitigative Tactics
- ❖ Discovery and Resolution Tactics

- Noticeable symptoms of a DDoS attack
- ❖ Types of DoS and DDoS attacks
- ❖ Motivations for DDoS and DoS attacks
- ❖ Impact of DDoS and DoS attacks on businesses and organizations
- ❖ Legal implications of conducting DDoS and DoS attacks
- ❖ Emerging trends in DDoS and DoS attacks
- ❖ Techniques used to launch DDoS and DoS attacks
- ❖ Countermeasures for DDoS and DoS attacks
- ❖ Best practices for preventing DDoS and DoS attacks
- ❖ Incident response plan for handling DDoS and DoS attacks
- ❖ Training and education for employees to identify and respond to DDoS and DoS attacks.