**Email and Firewalls**

7 Module

# **Module Objectives:**

# Understand how the email system works

# Familiarize yourself with MTA and UA

1. Get informed about the importance of a firewall
2. Be introduced to the mail server Postfix
3. Install your own team mail server

# **Module Lesson**

| **Component** | **Title** | **Purpose** |
| --- | --- | --- |
| 1. [Slideshow](https://www.cyio.iastate.edu/cyber-defense/)  (20 minutes) | Email and Firewall | Learn how Email systems operate, and how firewalls protect computers. |
| 3. [Activity 1](https://www.cyio.iastate.edu/cyber-defense/)  (20 minutes) | E-mail | Have your team install Postfix on your VM. |
| 2. [Activity 2](https://www.cyio.iastate.edu/cyber-defense/)  (20 minutes - plus time in Module 8) | Take Down The Trolls! | Use your teamwork to research and install a firewall to take down the internet trolls. |

Total Duration: 55 minutes

Note: All activities designed for this module are hands-on. The speed at which the activities can be completed will vary. Each module should approximately take one club or class time to complete.

# **Additional Resources:**

* Email
  + [Lesson 13: How Email Works](https://youtu.be/x28ciavQ4mI)
  + [Lesson 14: Email Security](https://youtu.be/6ezYWDUON6o)
* Firewall
  + [What is a Firewall?](https://youtu.be/kDEX1HXybrU)
* Google!
* [VMware Glossary](https://www.vmware.com/topics/glossary/)