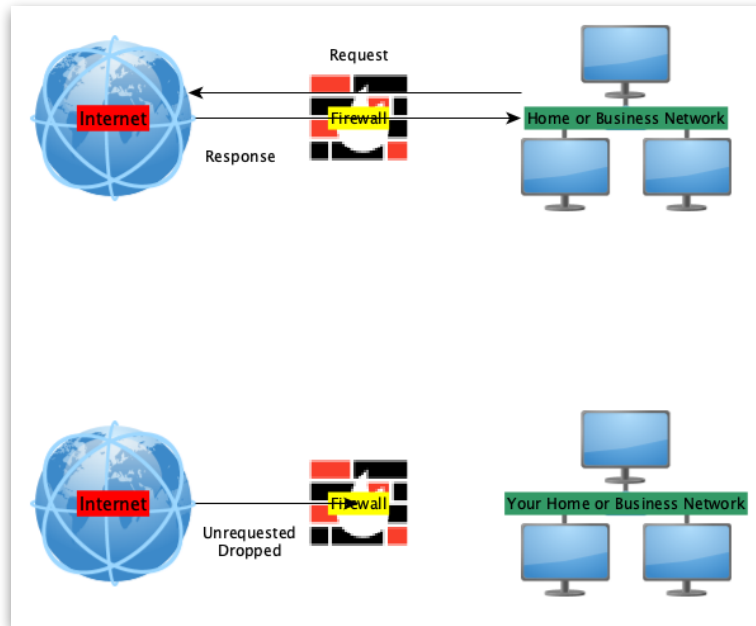


## pfSense Firewall Perimeter Firewall

This course will focus almost exclusively on using pfSense as a perimeter firewall.

We will explore using the Opt interface as a Demilitarized Zone (DMZ) to protect a web server, but the primary focus will be on protecting your infrastructure by using pfSense at the Enterprise Edge or between your home or business network and the Internet.



In its role as the gatekeeper at the boundary between your home or business and the Internet, we'll be taking advantage of some of the awesome features available to us to detect and stop potential threats.

We will configure the following built-in features and add-on services:

- IDS/IPS
  - Snort
  - Suricata (Use only one or the other)
- Bogon Filtering
- pfBlockerNG DNS Blacklist (DNSBL)

We'll also cover installation and configuration, tuning out false positives, backups, and more.

Optionally, you can complete the pfSense lab section and create your own lab using VirtualBox. If you choose to do this, you'll be able to experiment all you want without worrying about taking your family or business offline as you try out new features. You can then deploy your new and tested feature to your live pfSense firewall.

If you'd like greater detail on anything covered in this course, or just a greater understanding of pfSense, I highly recommend the pfSense Book available for free in web form or as a .pdf.



## The pfSense Book

**Netgate**

It is written by Chris Buechler and Jim Pingle. Chris is a founder of the pfSense project and Jim is a Netgate employee with many years of FreeBSD experience. The book is kept perpetually updated. A rare and valuable commodity in the world of IT documentation where books become out of date before they're even published.

The link is in References below.

**References:**

pfSense Book (This is free and highly recommended)

<https://docs.netgate.com/manuals/pfsense/en/latest/the-pfsense-book.pdf>