



# DDoS MITIGATION

## DO YOU HAVE PROTECTION AGAINST DDoS ATTACKS?

Firewalls alone can't handle large attacks, and your organization needs an additional layer of security like our DDoS Mitigation Service.

### What does DDoS mean?

- Distributed Denial of Service.
- DDoS attacks interrupt your internet service.

### What happens during a DDoS attack?

Your internet connection is overwhelmed and your staff and customers can't access online resources.

### We already have a Firewall, isn't that enough?

No. Firewalls alone can't manage all of the connections that a DDoS attack generates. Our second line of specialized DDoS defense comes to the rescue when your Firewall is overloaded and your data is vulnerable.

### Why is DDoS Mitigation necessary?

- Attacks are expensive. The price of being unable to conduct business can skyrocket when adding staff time, lost data, infected equipment, and other factors.
- Firewalls are not enough protection. Firewalls typically can't handle the amount of bandwidth generated by large DDoS attacks.
- Storage runs out. Retaining logs will be impossible due to firewall storage limits. Logs stored before an attack will likely no longer exist.

### What is the purpose of a DDoS attack?

- **Interruption:** exhausts Firewall resources and bandwidth to cut off your online access.
- **Disguise:** overwhelms your logs and storage system to cover up their activities.

### What does ICN's DDoS Mitigation do?

1. We establish a baseline of your system - (Source + Destination IPs, Ports, and Protocols)
2. 24/7 monitoring - our system checks for traffic that exceeds the baseline.
3. Any unusual activity sends us an alert and we are on it right away.

### Can we have ICN DDoS Mitigation without an ICN internet connection?

No. The ICN's DDoS Mitigation Service only protects ICN internet connections. We can offer you connection, security, and peace of mind after you sign up for internet service. With us, you and your data are in good hands because of our automatic, continuous monitoring and 24/7 local NOC support to answer all of your questions.

## IMPACT OF SUCCESSFUL DDoS ATTACK:

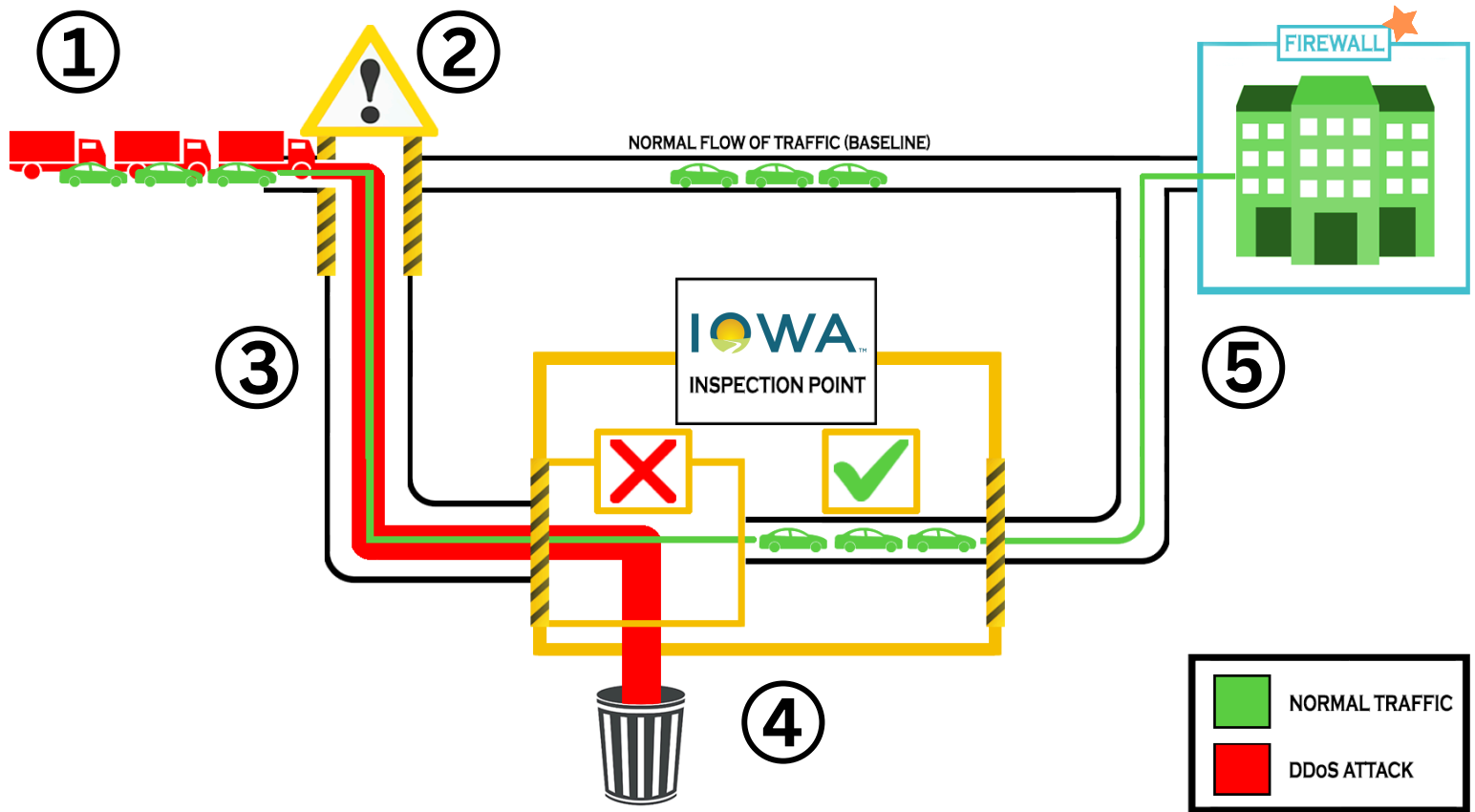
- No wireless connections
- No access to online resources
- Email may be unavailable
- Payment processing offline
- Voice over IP phones won't work
- Website is slow or down
- Firewall overwhelmed
- Data is compromised





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## HOW DOES DDoS MITIGATION WORK?

1. A DDoS attack floods your connection with traffic.
2. Our 24-hour monitoring system sends an alert to our system.
3. We reroute all traffic to an ICN inspection point where it is filtered.
4. After DDoS traffic has been identified, it is destroyed, leaving the normal traffic alone.
5. Traffic that doesn't contain DDoS activity is sent to your network.

★ The ICN also provides Managed Firewall services.

## WHERE CAN WE LEARN MORE?

To find out how our DDoS Mitigation Service can keep your organization safe when attacks can occur at any time, speak with an ICN consultant today.

Iowa Communications Network  
ICN.info@iowa.gov  
icn.iowa.gov

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