# Day-8

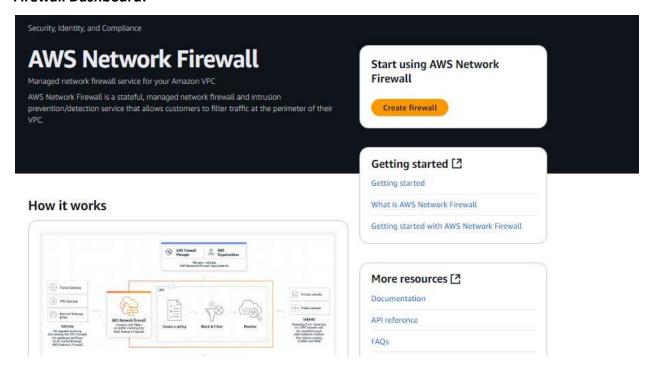
Today I got brief information of AWS Network Firewall and its purpose, how to apply policies, and how it the First wall of defense from unauthorized accessed to your VPC. Also did a task on how to calculate the pricing for enabling Network Firewall with different criteria's. All of the information's are given as follows:

#### **AWS Network Firewall:**

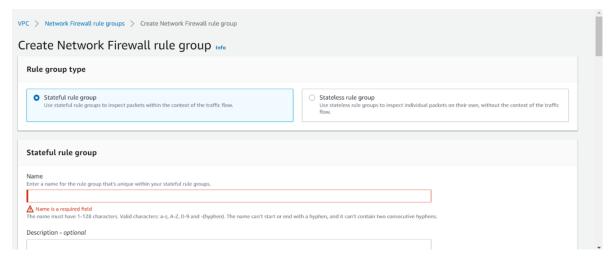
AWS Network Firewall is a managed firewall service that helps you protect your Amazon Virtual Private Cloud (VPC) from unauthorized access and malicious traffic. It provides network traffic filtering and security capabilities for your VPC perimeter, allowing you to create custom rules to inspect and control the traffic in your VPC.

It offers advanced security with deep packet inspection and stateful traffic filtering to detect and block malicious traffic. It is highly scalable, automatically adjusting to varying network traffic levels. The service also integrates seamlessly with AWS services like CloudWatch for monitoring and AWS WAF for enhanced web protection, providing a robust, multi-layered security solution.

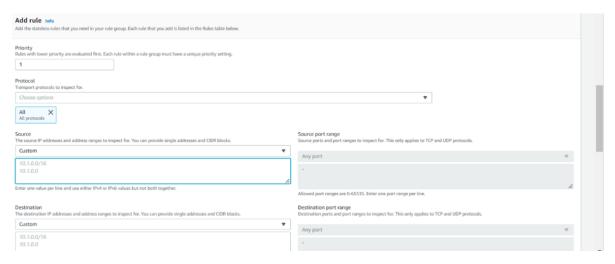
#### Firewall Dashboard:



# **Create a Rule Group:**



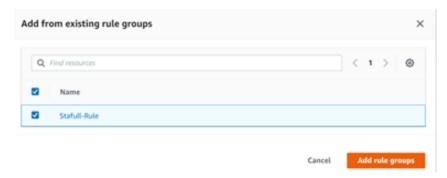
### **Add Rule:**



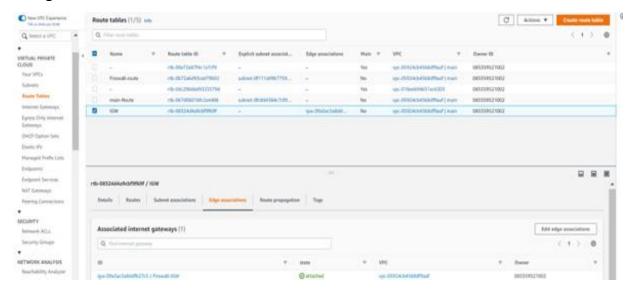
## **Create a Rule Group:**



# Attach rule group to Firewall Policy:



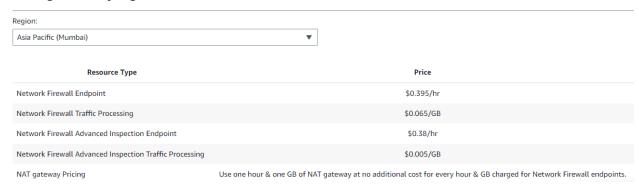
## **Configure Rote table to Firewall:**



And this is how one can create an configure a Network Firewall. You can create multiple rule groups for assigning specific rules to specific VPC as per the need. This makes managing the cloud easy and keeps it more secure.

The pricing to use the firewall with the specifications and needs with outbound are publically available on: <a href="Here">Here</a> . Example of Asia Pacific (Mumbai)

### Pricing table - By region



# The task given to me was as follows:

Please share the monthly price for all 3 network firewall options with below consumption.

7,440 hrs of usage (2 network firewall endpoints) 6,000 GB of outbound traffic processed

Network Firewall with NAT Gateway Pricing Network Firewall with Advanced Inspection Pricing Network Firewall with Advanced Inspection and NAT Gateway Pricing

### Solution:

# Firewall Pricing Analysis

Option	Monthly Cost (USD)	Outbound	Total Cost for 2	Outbound Total Cost	Total Cost
Network Firewall	0.395	0.065	2938.8	390	3328.8
Network Firewall with Advanced Inspection	0.38	0.065	2883	390	3273
Network Firewall with Advanced Inspection and NAT Gateway	0.38	0.065	2883	420	3303