



AWS Network Firewall pricing

Pricing summary / tiers

With AWS Network Firewall, you pay an hourly rate for each firewall endpoint per region and Availability Zone. You also pay for the amount of traffic processed by your firewall endpoint, billed by the gigabyte per region and Availability Zone. Data processing charges apply for each gigabyte processed through the firewall endpoint regardless of the traffic's source or destination.

Advanced inspection

You pay an additional hourly rate per region and Availability Zone for Advanced Inspection when you use the [TLS inspection feature](#). In some regions, you may also pay additional charges for the amount of traffic processed by your firewall endpoint for Advanced Inspection when using the TLS inspection feature, billed by the gigabyte per region and Availability Zone. You also incur standard AWS data transfer charges for all data transferred via the AWS Network Firewall.

Advanced threat protection

You pay an additional charge for the amount of traffic processed by your firewall endpoint when [active threat defense](#) managed rule groups are enabled in your firewall policy. This traffic is billed per gigabyte per region and Availability Zone.

Multiple firewall endpoints

If you associate a firewall with multiple Amazon Virtual Private Clouds (VPCs), you pay the standard hourly rate per region and Availability Zone for the primary firewall endpoint in the inspection VPC. You pay a reduced hourly rate per region and Availability Zone for each additional secondary endpoint associated with that firewall in the same region and Availability Zone. You also pay for the amount of traffic processed by your firewall, billed by the gigabyte per region and Availability Zone.

NAT gateway discount

If you create a NAT gateway and place it next to your AWS Network Firewall in a service chain within your AWS account, standard NAT gateway per-hour and data processing usage charges are waived. This waiver is applied on a one-to-one basis with the standard Network Firewall Endpoint per-hour usage and standard Network Firewall Traffic Processing usage. To receive this benefit, your NAT Gateway and Network Firewall must be in the same region, and the NAT Gateway must be configured in the same networking path as your Network Firewall endpoint. Excluded from this benefit are Network Firewall Advanced Inspection Endpoint and Network Firewall Advanced Inspection Traffic Processing and Network Firewall Secondary Endpoints.

Pricing table - By region and availability zone

Region:	
Europe (London)	
Resource Type	Price
Network Firewall Endpoint	\$0.395/hr
Network Firewall Secondary Endpoint	\$0.158/hr
Network Firewall Traffic Processing	\$0.065/GB
Network Firewall Advanced Inspection Endpoint	\$1.127/hr
Network Firewall Advanced Inspection Traffic Processing	\$0.00/GB
Network Firewall Advanced Threat Protection Traffic Processing	\$0.005/GB
NAT gateway Pricing	Use one hour and one GB of NAT Gateway at no additional cost for every hour and GB charged for Network Firewall in the same region. Advanced Inspection and Secondary Endpoints are excluded from this benefit.

Managed rule groups from AWS Partners through AWS Marketplace

When you subscribe to a managed rule group provided by an AWS Marketplace partner, you will be charged additional fees based on the price set by the seller. These charges are in addition to the AWS Network Firewall fees described earlier.

Example 1 - Network Firewall with NAT gateway pricing

In this example, you have created a network firewall and a NAT gateway. You also have an Amazon EC2 instance with traffic routed to the Internet through the network firewall and NAT gateway. Your EC2 instance sends a 1 GB file to one of your S3 buckets. The EC2 instance, network firewall, NAT gateway, and S3 bucket are in the US East (N. Virginia) region, and the network firewall, NAT gateway, and EC2 instance are in the same Availability Zone. The following charges apply:

- Network Firewall Endpoint Hourly Charges:** \$0.395 for each hour your firewall endpoint is provisioned.
 - Network Firewall Data Processing Charges:** \$0.065 for 1 GB of data processed by the firewall.
 - NAT Gateway Hourly Charges:** No charge for each hour your firewall endpoint is provisioned.
 - NAT Gateway Data Processing Charges:** No charge per gigabyte of NAT gateway processing for each gigabyte processed by your firewall.
 - EC2 Data Transfer Charges:** Standard EC2 data transfer charges apply. Because your EC2 instance and S3 bucket are in the same region, there is no charge for data transfer between them. There is also no charge for data transfer between your NAT gateway and EC2 instance since the traffic stays in the same availability zone using private IP addresses. If your NAT gateway and EC2 instance were in different availability zones, EC2 data transfer charges would apply. See the Data Transfer section of the [EC2 Pricing page](#) for more details.
- Total charges are therefore \$0.065 for 1 GB of data processed by your firewall when using NAT gateway plus \$0.395 for each hour your firewall is provisioned. There are no data transfer charges in this example. However, if you send the same file to a non-AWS Internet location, EC2 data transfer charges will apply to data transferred out from EC2 to the Internet.
- Note:** To avoid NAT gateway data processing charges, you can create a gateway VPC endpoint and route traffic to and from S3 through the VPC endpoint instead of going through a NAT gateway. There are no data processing or hourly charges for using gateway VPC endpoints. For details on how to use VPC endpoints, see [VPC Endpoints Documentation](#).

Example 2 - Network Firewall with NAT gateway pricing

In this example, you have created 2 network firewalls in 2 Availability Zones (AZ) of US East (N. Virginia) region. The firewall processes a total of 5,000 GB of outbound traffic per month. You are connecting to the Internet from a private subnet and decide to also use 2 NAT gateways in each AZ.

Your total usage for AWS Network Firewall is

- 1,440 hrs of usage (720 hrs in a month * 2 network firewall endpoints)
 - 5,000 GB of outbound traffic processed
- Your total monthly charges would be \$893.80 per month.**
- Because each firewall is deployed in a separate AZ for high availability, you pay no cross-AZ charges.

- Total endpoint hourly charges would be \$568.80 = (\$0.395 * 2AZ * 720 hours per month)
- Total data processing charges would be \$325 = (\$0.065/GB * 5,000 GB processed).
- For the NAT gateway, you would receive 1,440 hours of NAT gateway and 5,000 GB of NAT gateway GB processed at no additional cost in this same month.

Example 3 - Network Firewall with Advanced Inspection pricing

In this example, you have created a network firewall in Europe (Ireland), have enabled advanced inspection by enabling TLS inspection in your firewall policy, and have 5,000 GB of traffic per month. The following charges apply:

- Network Firewall Endpoint Hourly Charges:** \$0.395 for each hour your firewall endpoint is provisioned in Europe (Ireland).
 - Network Firewall Advanced Inspection Endpoint Hourly Charges:** \$0.489 for each hour your firewall endpoint is provisioned in Europe (Ireland).
 - Network Firewall Data Processing Charges:** \$0.065 for 1 GB of data processed by the firewall in Europe (Ireland).
 - Network Firewall Advanced Inspection Data Processing Charges:** There is no additional charge for Advanced Inspection data processed by the firewall in Europe (Ireland).
- Your total monthly charges would be \$961.48 per month.**

- Total endpoint charges would be \$636.48 = (\$0.395 * 1 AZ * 720 hours per month) + (\$0.489 * 1 AZ * 720 hours per month).
- Total data processing charges would be \$325 = (\$0.065/GB * 5,000 GB processed).

Example 4 - Network Firewall with advanced inspection and NAT gateway pricing

In this example, you have created a network firewall and a NAT gateway in Asia Pacific (Sydney). The firewall processes a total of 5,000 GB of traffic per month. 2,500 GB of traffic is processed with Advanced Inspection. The NAT gateway processes a total of 5,000 GB of traffic per month. The following charges apply:

- Network Firewall Endpoint Hourly Charges:** \$0.395 for each hour your firewall endpoint is provisioned in Asia Pacific (Sydney).
 - NAT gateway Hourly Charges:** \$0.059 per hour in Asia Pacific (Sydney). When your NAT gateway is in the same region and configured in the same networking path as your Network Firewall endpoint, there is no NAT Gateway hourly charge when used with standard Network Firewall Endpoint.
 - Network Firewall Data Processing Charges:** \$0.065 for 1 GB of data processed by the firewall in Asia Pacific (Sydney).
 - NAT gateway Data Processing Charges:** \$0.059 for 1 GB of data processed by NAT gateway in Asia Pacific (Sydney). When your NAT gateway is in the same region and configured in the same networking path as your Network Firewall endpoint, there is no NAT Gateway data processing charge for up to 5000 GB of traffic (matching the standard Network Firewall Traffic Processing usage).
 - Network Firewall Advanced Inspection Endpoint Hourly Charges:** \$0.711 for each hour your firewall endpoint is provisioned in Asia Pacific (Sydney).
 - Network Firewall Advanced Inspection Data Processing Charges:** \$0.009 for 1 GB of Advanced Inspection data processed by the firewall in Asia Pacific (Sydney).
- Your total monthly charges would be \$1,143.82 per month.**

- Network Firewall Charges
 - Standard firewall endpoint hours \$284.40 = (\$0.395 * 720 hours per month)
 - Standard firewall traffic processing \$325.00 = (\$0.065/GB * 5,000 GB processed)
 - Advanced Inspection endpoint hours \$511.92 = (\$0.711 * 720 hours per month)
 - Advanced Inspection Traffic Processing \$22.50 = (\$0.009 * 2500)
 - Total Network Firewall charges = (\$284.40 + \$325.00 + \$511.92 + \$22.50) = \$1143.82/month
- NAT gateway Charges
 - NAT gateway hours \$42.48 = (\$0.059 * 720 hours per month)
 - NAT gateway traffic processing \$295 = (\$0.059 * 5,000 GB processed)
 - Total bundle discount = (\$42.48 + \$295) = \$337.48
 - Total NAT Gateway charges = \$0

Example 5 - Network Firewall with secondary endpoints

In this example, you have created a network firewall in US East (N. Virginia) and associated 10 secondary VPC endpoints with the primary inspection network firewall in the same Availability Zone (AZ). Additionally, your firewall processes a total of 5,000 GB of traffic per month. The following charges apply:

- Network Firewall Endpoint Hourly Charges:** \$0.395 for each hour your primary firewall endpoint is provisioned in US East (N. Virginia) per AZ.
 - Network Firewall Secondary Endpoint Hourly Charges:** \$0.158 per secondary endpoint per hour your secondary firewall endpoints are provisioned in US East (N. Virginia) per AZ.
 - Network Firewall Data Processing Charges:** \$0.065 for 1 GB of data processed by the firewall in US East (N. Virginia) per AZ. There are no additional data processing charges for secondary endpoints associated with the firewall.
- Your total monthly charges would be \$1,747 per month.**

- Total endpoint charges would be \$1,422 = (\$0.395 * 1 primary endpoint * 1 AZ * 720 hours per month) + (\$0.158 * 10 secondary endpoints * 1 AZ * 720 hours per month).
- Total data processing charges would be \$325 = (\$0.065/GB * 5,000 GB processed).
- Total NAT gateway hourly charges would be \$0. Savings of \$32.40 = (\$0.045 * 720 hours per month).
- Total NAT gateway data processing charges would be \$45 = (\$0.045/GB * 1000 GB processed). Savings of \$225 = (\$0.045 * 5,000 GB processed).

Example 6 - Network Firewall with secondary endpoints and NAT gateway pricing

In this example, you have created a network firewall with 10 secondary VPC endpoints and a NAT gateway in US East (N. Virginia) and Availability Zone. Additionally, your firewall processes a total of 5,000 GB of traffic per month. Your NAT gateway processes 6,000 GB of total traffic per month. The following charges apply:

- Network Firewall Endpoint Hourly Charges:** \$0.395 for each hour your primary firewall endpoint is provisioned in US East (N. Virginia) per AZ.
 - Network Firewall Advanced Inspection Endpoint Hourly Charges:** \$0.489 for each hour your firewall endpoint is provisioned in Europe (Ireland).
 - Network Firewall Data Processing Charges:** \$0.065 for 1 GB of data processed by the firewall in Europe (Ireland).
 - Network Firewall Advanced Inspection Data Processing Charges:** There is no additional charge for Advanced Inspection data processed by the firewall in Europe (Ireland).
 - Network Firewall Advanced Threat Protection Data Processing Charges:** \$0.005 for 1 GB of data processed by the firewall in Europe (Ireland).
- Your total monthly charges would be \$986.48 per month.**

- Total endpoint charges would be \$636.48 = (\$0.395 * 1 AZ * 720 hours per month) + (\$0.489 * 1 AZ * 720 hours per month).
- Total data processing charges would be \$350 = (\$0.065/GB * 5,000 GB processed) + (\$0.005 * 5,000 GB processed).

Example 7 - Network Firewall with advanced threat protection pricing

In this example, you have created a network firewall in US West (Oregon), and have enabled active threat protection by using active threat defense managed rule groups in your firewall policy, and have 5,000 GB of traffic per month. The following charges apply:

- Network Firewall Endpoint Hourly Charges:** \$0.395 for each hour your firewall endpoint is provisioned in US West (Oregon).
 - Network Firewall Data Processing Charges:** \$0.065 for 1 GB of data processed by the firewall in US West (Oregon).
 - Network Firewall Advanced Threat Protection Processing Charges:** \$0.005 for 1 GB of data processed by the firewall in US West (Oregon).
- Your total monthly charges would be \$634.40 per month.**

- Total endpoint charges would be \$284.40 = (\$0.395 * 1 AZ * 720 hours per month)
- Total data processing charges would be \$325 = (\$0.065/GB * 5,000 GB processed)
- Total data processing charges would be \$25 = (\$0.005/GB * 5,000 GB processed)

Example 8 - Network Firewall with advanced inspection and advanced threat protection pricing

In this example, you have created a network firewall in Europe (Ireland), have enabled active threat protection by using active threat defense managed rule groups in your firewall policy, have enabled advanced inspection by enabling TLS inspection in your firewall policy, and have 5,000 GB of traffic per month. The following charges apply:

- Network Firewall Endpoint Hourly Charges: \$0.395 for each hour your firewall endpoint is provisioned in Europe (Ireland).
 - Network Firewall Advanced Inspection Endpoint Hourly Charges: \$0.489 for each hour your firewall endpoint is provisioned in Europe (Ireland).
 - Network Firewall Data Processing Charges: \$0.065 for 1 GB of data processed by the firewall in Europe (Ireland).
 - Network Firewall Advanced Inspection Data Processing Charges: There is no additional charge for Advanced Inspection data processed by the firewall in Europe (Ireland).
 - Network Firewall Advanced Threat Protection Data Processing Charges: \$0.005 for 1 GB of data processed by the firewall in Europe (Ireland).
- Your total monthly charges would be \$986.48 per month.**

- Total endpoint charges would be \$636.48 = (\$0.395 * 1 AZ * 720 hours per month) + (\$0.489 * 1 AZ * 720 hours per month).
- Total data processing charges would be \$350 = (\$0.065/GB * 5,000 GB processed) + (\$0.005 * 5,000 GB processed).

