



FortiAnalyzer AWS Sizing Guide

FortiAnalyzer VM



Networks are constantly evolving due to threats, organizational growth, or new regulatory/business requirements. Traditional analysis products focus on recording and identifying company-wide threats through logging, analysis, and reporting over time. FortiAnalyzer offers the features to identify these threats, as well as providing flexibility to evolve along with your ever-changing network. FortiAnalyzer minimizes the effort required to monitor and maintain acceptable use policies, as well as identify attack patterns.

FortiAnalyzer platforms integrate network logging, analytics, and reporting into a single system, delivering increased knowledge of security events throughout your network. The FortiAnalyzer family minimizes the effort required to monitor and maintain acceptable use policies, as well as identify attack patterns to help you fine-tune your policies.

Organizations of any size will benefit from centralized security event logging, forensic research, reporting, content archiving, data mining, and malicious file quarantining. Available as a VM on AWS Marketplace, the virtual appliances can collect, correlate, and analyze geographically and chronologically diverse security data. Aggregate alerts and log information from Fortinet appliances and third-party devices in a single location, providing a simplified, consolidated view of your security posture. In addition, FortiAnalyzer platforms provide detailed data capture for forensic purposes to comply with policies regarding privacy and disclosure of information security breaches.

Supported Deployment Types

FortiAnalyzer supports a multitude of deployment methods and is supported across various private and public cloud deployments. FortiAnalyzer is available on AWS through the BYOL Model.

LICENSING

BYOL

BYOL is ideal for migration use cases, where an existing private cloud deployment is migrated to a public cloud deployment. When using an existing license, the only additional cost would be the price for the AWS instances.

Under the BYOL model, there are presently seven VM models:

Type	Max GB/Day	Max Storage	Deployment Sizes
FAZ-VM-BASE	1	500 GB	Demo
FAZ-VM-GB1	+1	+500 GB	Small
FAZ-VM-GB5	+5	+3 TB	Small
FAZ-VM-GB25	+25	+10 GB	Medium
FAZ-VM-GB100	+100	+24 TB	Large
FAZ-VM-GB500	+500	+48 TB	Large
FAZ-VM-GB2000	+2000	+100 TB	Very Large

When deploying these on AWS, there are various supported options for the instance sizes.

About EC2 Sizes

AWS offers various EC2 sizes (e.g., c4.large, c4.xlarge, c4.2xlarge, and so on). Each size refers to a specific configuration in terms of processor, cores, memory, etc. For more detailed information about EC2 sizes, refer to Amazon's latest EC2 sizing chart.

The FortiAnalyzer VM is supported in the following EC2 Instance types:

EC2 Instance Type	vCPU	Memory (GB)
m3.medium	1	3.75
m3.large	2	7.5
m3.xlarge	4	15
m3.2xlarge	8	30
c3.large	2	3.75
c3.xlarge	4	7.5
c3.2xlarge	8	15
c3.4xlarge	16	30
c3.8xlarge	32	60

CHOOSING EC2 INSTANCE TYPES

Below are some of the key offerings of the two supported instance types.

M3 INSTANCES

M3 instances are general-purpose instances designed to provide a good balance of memory, CPU, and networking. They are ideal for both mid-size databases and memory-hungry data processing tasks. Overall, these instances provide the lowest-cost options. M3 instances do not support SR-IOV and so have lower network performance throughput than C3 instances.

- Processor – Intel Xeon E5-2670
- Storage – SSD
- SR-IOV/Enhanced Networking – Not Available

C3 INSTANCES

C3 is a compute optimized instance, and it is designed for compute-intensive applications including distributed analytics. It has a higher ratio of vCPUs to memory. C instances provide the lowest cost per vCPU in AWS. C3 instances support SR-IOV and hence are great for high network throughput.

- Processor – Intel Xeon E5-2680 v2
- Storage – SSD
- SR-IOV/Enhanced Networking – Supported

When deciding on instance type, make sure that the AWS instance type and the FortiAnalyzer configuration match up well.

REFERENCES

- Fortinet AWS
<http://www.fortinet.com/aws>
- Amazon EC2 Instances
<http://aws.amazon.com/ec2/instance-types>

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- Test drive an HA demo in AWS <http://www.fortinet.com/promo/aws-testdrive.html> 
- Fire up a free 15 day trial in Amazon Marketplace https://aws.amazon.com/marketplace/pp/B00PCZSWDA/ref=sp_mpg_product_title?ie=UTF8&sr=0-5 
- Call 1-866-868-3678 about EC2 proof of concept credits 
- Contact Fortinet AWS Sales awssales@fortinet.com 



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