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FortiManager AWS Sizing Guide

FortiManager VM

Networks are constantly evolving due to threats, organizational growth, or new regulatory/business requirements. Traditional management products focus on mitigating company-wide threats through firewall policies, firmware updates, and keeping content security current. FortiManager offers the features to contain threats and provides flexibility to evolve along with your ever-changing network.

The FortiManager family delivers the versatility you need to effectively manage your Fortinet-based security infrastructure. FortiManager drastically reduces management costs, simplifies configuration, and accelerates deployment cycles, whether you are deploying new devices, installing security policies, or distributing updates.

FortiManager also provides crucial timesaving features like device auto-discovery, group management, global policies, auditing facilities, and the ability to manage complex VPN environments. FortiManager, coupled with the FortiAnalyzer family of centralized logging and reporting appliances, provides a comprehensive and powerful centralized management solution for your organization.

Supported Deployment Types

FortiManager supports a multitude of deployment methods and is supported across various private and public cloud deployments. FortiManager 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 six VM models:

Type	Max Storage	Max Devices	Max GB/Day Logs	Size
FMG-VM-BASE	100 GB	10	1	Demo
FMG-VM-10-UG	200 GB	+10	2	Small
FMG-VM-100-UG	1 TB	+100	5	Small
FMG-VM-1000-UG	4 TB	+1000	10	Medium
FMG-VM-5000-UG	8 TB	+5000	25	Large
FMG-VM-U-UG	16 TB	Unlimited	50	Very Large

Maximum Devices also indicates the most number of VDOMs that the device can support. 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 FortiGate VM is supported in the following EC2 instance types:

EC2 Instance Type	vCPU	Memory(GB)
m3.xlarge	4	15
m3.2xlarge	8	30
m1.medium	1	3.75
m1.large	2	7.5
m1.xlarge	4	15
hi1.4xlarge	16	60.5d

CHOOSING EC2 INSTANCE TYPES

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

M1 and M3 Instances

M1 and M3 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.

- Processor – Intel Xeon E5-2670 in M3
- Storage – SSD in M3
- SR-IOV/Enhanced Networking – Not Available

H11 INSTANCES

H11 is a storage optimized instance and is designed for applications with requirements for I/O performance. It provides high I/O performance with low IOPS cost. H11 has 10G links but does not support SR-IOV.

- Processor – 64-Bit Processor
- Storage – SSD
- SR-IOV/Enhanced Networking – Not Available

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

REFERENCES

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

DON'T TAKE OUR WORD FOR IT – CHECK IT OUT YOURSELF

- 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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