Anarion Technologies – RabbitMQ

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	Anarion Technologies Virtual Machine		
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	Want to deploy programmatically? Get	started	
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Rabl facil deco	bitMQ is an open-source message broker softwa itating communication between different applica oupling the components and enabling them to o	re that implements the Advanced Message Queuing Protocol (AMQP). It serves as an intermediary for messaging, tions, systems, or services. RabbitMQ ensures that messages are reliably transmitted from producers to consumers, perate independently and efficiently.	
Core	e Concepts		
	 Message Broker: RabbitMQ acts as a middlen Producers: Producers are applications or syste Consumers: Consumers are applications or sy Queues: Queues are storage locations within to ensure load distribution and parallel proce 	nan that handles the sending and receiving of messages between producers (senders) and consumers (receivers). ems that send messages to RabbitMQ. stems that receive messages from RabbitMQ. RabbitMQ where messages wait until they are processed by consumers. Each message is delivered to only one consu ssing.	mer

Creating a virtual machine, enter or select appropriate values for zone, machine type, resource group and so on as per your choice.

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Create a virtual machine

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Define network connectivity ports, inbound and outboun Learn more 🗗	for your virtual machine by configuring network interface card (NIC d connectivity with security group rules, or place behind an existing	C) settings. You can control g load balancing solution.
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After Process of Create Virtual Machine. You have got an Option **Go to Resource Group** Click **Go to Resource Group**

Click on the Network Security Group: rabbitmq-nsg

(i) Demo ☆ ☆ … Resource group				×
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Click on Inbound Security Rules

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Click on Add & add port 15762

ť	Demo-nsg Inbound Network security group	security rules 🛛 🛪							\times
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	Activity log	priority and direction as an existin	ng rule. You can't delete defa	ult security rules, but you can o	override them with rules that	have a higher priority. Learn	more 🖻		
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	Properties								
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> Monitoring

Click on Refresh

Copy the Public IP Address

After SSH in RabbitMQ Virtual Machine

Run these Commands

\$ sudo systemctl start rabbitmq-server

\$ sudo systemctl enable rabbitmq-server

\$ sudo systemctl restart rabbitmq-server

\$ sudo systemctl status rabbitmq-server

In case status shows **status: inactive** or failed to restart run these command on your terminal.

\$ sudo apt-get update

\$ sudo apt-get install --reinstall rabbitmq-server

Create a New User:

Open a terminal and run the following command to create a new user:

\$ sudo rabbitmqctl add_user myadmin new_password

Replace myadmin and new_password with your desired username and password.

Set User Tags:

Grant the new user administrative privileges:

\$ sudo rabbitmqctl set_user_tags myadmin administrator

Set Permissions:

Grant the new user full access to RabbitMQ:

\$ sudo rabbitmqctl set_permissions -p / myadmin ".*" ".*"

Use the browser to access the application at http://"instance ip address:15672"



Login with admin as myadmin and your new_password as your password.

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Conclusion

You have now installed RabbitMQ server. You can now configure your RabbitMQ instance from the dashboard.

ThankYou...