

? Hyper-V ?????? ?????? Virtual Machine Queues? VMQ??? Disabled??????????

Hyper-V Virtual Machine Queues VMQ Disabled

?? VMQ ???????????

VMQ CPU

<input type="checkbox"/>	<input type="checkbox"/>
VMQ <input type="checkbox"/>	<input type="checkbox"/> → <input type="checkbox"/> → <input type="checkbox"/>
VMQ <input type="checkbox"/>	<input type="checkbox"/> → CPU <input type="checkbox"/> → <input type="checkbox"/> → <input type="checkbox"/>

???? VMQ ???????

1. ???????????

-
-
- PPS

- MQ
- Web


```
Get-NetAdapterVmq
```

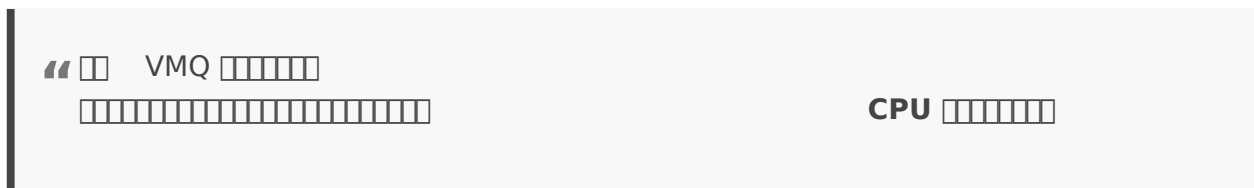
VMQ

```
Set-NetAdapterVmq -Name "Ethernet0" -Enabled $true
```

VMQ

```
Set-NetAdapterVmq -Name "Ethernet0" -Enabled $false
```

???????



XXXXXXXXXXXX + XXXXXX X710 82599 Mellanox CX4
 XXXXXXXXXXXXXXX

XXXXXX --- X722 for 1GbE XXXXXXXXXXXXXXX

????????????? Intel X722 1GbE + Hyper-V?

XXXXXX VMQ

XXXXXXXXXX

XXXXXX

Hyper-V / vSwitch

VMQ 8257x/8258x

VMQ Disabled

	20% 40%

1?VMQ????? ?

```
Set-NetAdapterVmq -Name "Ethernet*" -Enabled $true
```

2?RSS????? ?

```
Get-NetAdapterRss  
Enable-NetAdapterRss -Name "Ethernet*"
```

3????????????????

☐☐☐☐ → ☐☐☐☐☐☐

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☐☐	☐☐
Interrupt Moderation	Enabled
Receive Side Scaling	Enabled
Virtual Machine Queues	Enabled
Energy Efficient Ethernet	Disabled
Flow Control	Disabled
UDP/TCP Checksum Offload	Enabled

???????"? + ?"??????

☐☐☐☐☐☐☐☐☐☐

- ☐☐ **VMQ** ☐☐
- ☐☐ VMQ CPU ☐☐☐☐

```
Set-NetAdapterVmq -Name "Ethernet0" -BaseProcessorNumber 2 -MaxProcessors 8
```

☐☐☐☐ VMQ ☐☐☐☐☐☐ CPU0☐

????????????

“ Intel X722 1GbE + Hyper-V

- VMQ =
- VMQ + RSS

- CPU
-
- /

X722

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