

# ESX/ Virtual Center - VM's MAC address ...

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[DawidM](#) 3 posts since

Jun 23, 2009

Hello All!

I would like to ask if it possible to find Virtual Machine's name by knowing it's MAC address only in any way ?

Thanks a lot,

Dawid Tags: vm, mac, address, find



[firestartah](#) 136 posts since

Aug 10, 2006 1. **Re: ESX/ Virtual Center - VM's MAC address** Jun 23, 2009 4:25 AM

You will need to search the arp tables to compare the mac address to the name


"arp -a" will list everything in the ARP tables... so you **might** find what you want there.

If you found this information useful, please consider awarding points for "Correct" or "Helpful".



[DawidM](#) 3 posts since

Jun 23, 2009 2. **Re: ESX/ Virtual Center - VM's MAC address** Jun 23, 2009 4:27 AM

 in response to: [firestartah](#)

Not exactly what I was asking...

Let me clarify .

Does Virtual Center or ESX software have any tool to list all the VMs together with their MAC addresses? (With IPs it is possible)


Regards,

Dawid



[Chuck8773](#) 229 posts since

May 4, 2007 3. **Re: ESX/ Virtual Center - VM's MAC address** Jun 23, 2009 5:23 AM

 in response to: [DawidM](#) I query the SQL Server directly to pull information for our billing system. You can query the database for this information.

```
select e.name, n.mac_address, n.network_name
```

```
from vpx_vm v
```

```
inner join vpx_nic n on (v.id = n.entity_id)
```

```
inner join vpx_entity e on (v.id = e.id)
```

I didn't quickly see how to associate the IP address with the NIC. It may be in there though.

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Found it.

```
select e.name, n.mac_address, n.network_name, i.ip_address  
from vpx_vm v
```

```
inner join vpx_nic n on (v.id = n.entity_id)
```

```
inner join vpx_entity e on (v.id = e.id)
```

```
inner join vpx_ip_address i on (i.entity_id = n.entity_id and i.device_id = n.device_id)
```

If you found this or other information useful, please consider awarding points for "Correct" or "Helpful".



[Chuck8773](#) 229 posts since

May 4, 2007 4. **Re: ESX/ Virtual Center - VM's MAC address** Jun 25, 2009 4:06 AM

in response to: [DawidM](#) Did this answer your question?

Charles Killmer, VCP

If you found this or other information useful, please consider awarding points for "Correct" or "Helpful".



[DawidM](#) 3 posts since

Jun 23, 2009 5. **Re: ESX/ Virtual Center - VM's MAC address** Jun 25, 2009 4:22 AM

in response to: [Chuck8773](#)

Hi!

As soon as I ll test this solution I ll rate your answer.

As for now I dont have SQL access.

(I found another solution which is grepping vmx files on ESX datastores)

Regards,

Dawid



[azn2kew](#) 2,941 posts since

Jun 21, 2006 6. **Re: ESX/ Virtual Center - VM's MAC address** Jun 26, 2009 12:05 PM

in response to: [DawidM](#) I'm not sure what you're trying to accomplish, but this Virtual Mac Tool might give you some details [http://www.run-virtual.com/?page\\_id=173](http://www.run-virtual.com/?page_id=173)

If you found this information useful, please consider awarding points for "Correct" or "Helpful". Thanks!!!

Regards,

Stefan Nguyen

VMware vExpert 2009

iGeek Systems Inc.


VMware, Citrix, Microsoft Consultant

ESX/ Virtual Center - VM's MAC address ...



[jayctd](#) 152 posts since

Jun 3, 2009 7. **Re: ESX/ Virtual Center - VM's MAC address** Jun 26, 2009 12:23 PM

 in response to: [Chuck8773](#) I would note that this is pulling it from the SQL server for Virtual Center (just for reference)

Jered Rassier

##If you have found my post has answered your question or helpful please mark it as such##