**Finding the ESX/ESXi host on which a virtual machine is running (2004187)**

**Purpose**

This article provides the SQL statement to use when you want to find the ESX/ESXi host on which a virtual machine is running.

You may want to use this method when vCenter Server is down and you want to identify the host on which the virtual machine runs.

**Resolution**

To identify the host on which the virtual machine runs, use one of these methods:

**Method 1**

Query the vCenter Server database in MSSQL:

1. Log in to to the Microsoft SQL 2005/2008 Server as an administrator.
2. Open SQL Management Studio.
3. Right-click the database that vCenter Server is using.
4. Open a new query window and ensure that the vCenter Server database is selected.
5. Run this SQL statement :   
     
   SELECT vpxv\_vms.vmid, vpxv\_vms.NAME, vpxv\_vms.hostid, vpxv\_hosts.NAME  
   FROM vpxv\_vms  
   JOIN vpxv\_hosts on VPXV\_VMS.HOSTID = VPXV\_HOSTS.HOSTID  
   WHERE (  
   (vpxv\_hosts.hostid = vpxv\_vms.hostid)  
   AND (vpxv\_vms.NAME = '***virtual\_machine\_name***')  
   )  
     
   This query returns the virtual machine ID, virtual machine name, host ID, and host name.

**Method 2**

Review the latest vmware.log file for the virtual machine:

1. Open an SSH session to an ESX/ESXi host that has access to the shared storage (datastores) for the environment in which the virtual machine resides. For more information, see [Connecting to an ESX host using a SSH client (1019852)](http://kb.vmware.com/selfservice/search.do?cmd=displayKC&docType=kc&docTypeID=DT_KB_1_1&externalId=1019852" \t "_blank) or [Using Tech Support Mode in ESXi 4.1 and ESXi 5.x (1017910)](http://kb.vmware.com/selfservice/search.do?cmd=displayKC&docType=kc&docTypeID=DT_KB_1_1&externalId=1017910).
2. Find the working directory for the virtual machine using one of these commands:
   * grep -i <virtual\_machine\_name> /vmfs/volumes/\*/\*/vmware-\*.log
   * find /vmfs/volumes/ -name \*.vmx | less
3. After locating the working directory of the virtual machine, check the latest vmware.log file to determine the host on which the virtual machine is running. For example, you see an entry similar to:  
     
   2012-10-10T02:04:01.999Z| vmx| Hostname=*name\_of\_host*