Create a full memory dump of a VMware virtual machine

Steef | ESET Nederland - 2023-06-05 - [Reacties (0)](#) - [Diagnostics](#)

**Issue**

- You are running an ESET product on a VMware virtual machine

- You need to create a memory dump of a VMware virtual machine for troubleshooting purposes

- [I. Create and download a virtual machine snapshot](#)

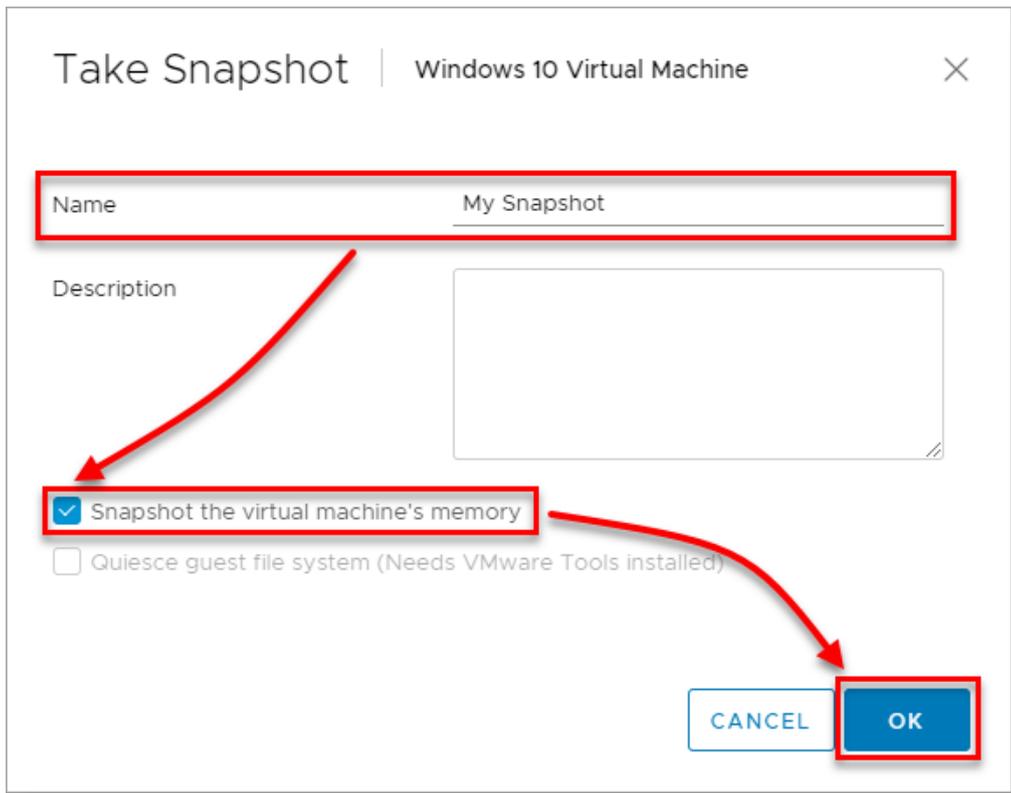- [II. Use the vmss2core tool to create a memory dump from the virtual machine snapshot](#)

Solution

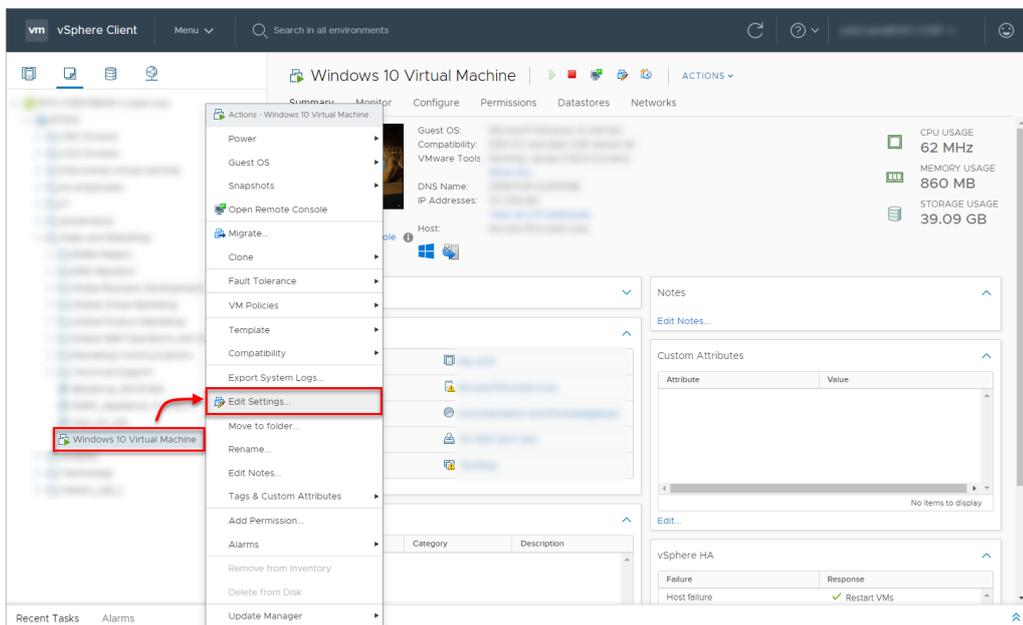## I. Create and download a virtual machine snapshot

1. In the VMware environment, select the virtual machine that has issues.

2. Replicate the issue on the virtual machine.

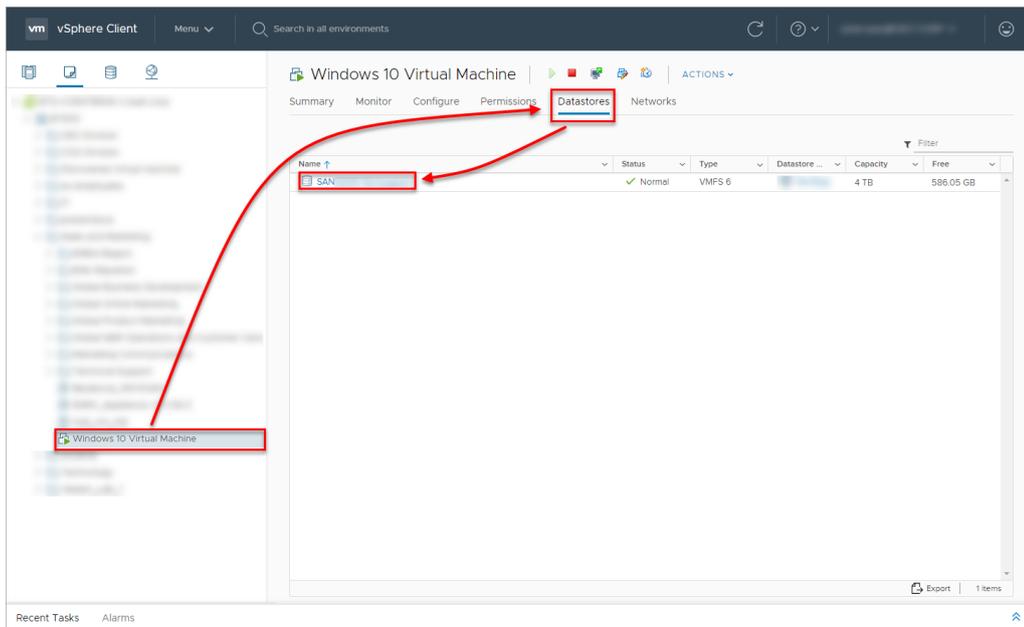3. Right-click the virtual machine → **Snapshots** → **Take snapshot**.
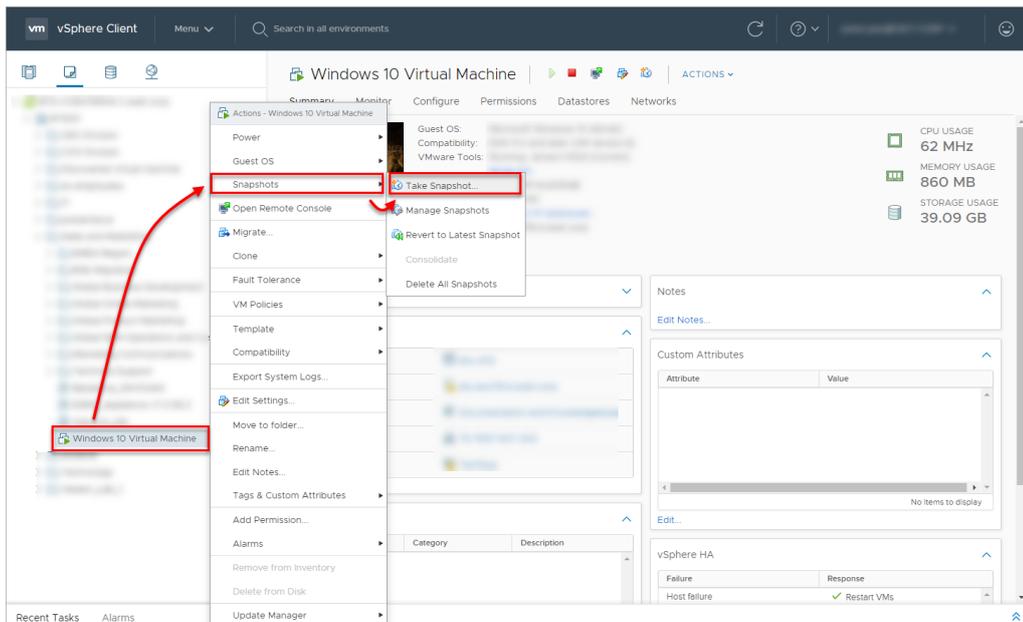
4. Type the name, select the check box next to **Snapshot the Virtual Machine's memory** and click **OK**.
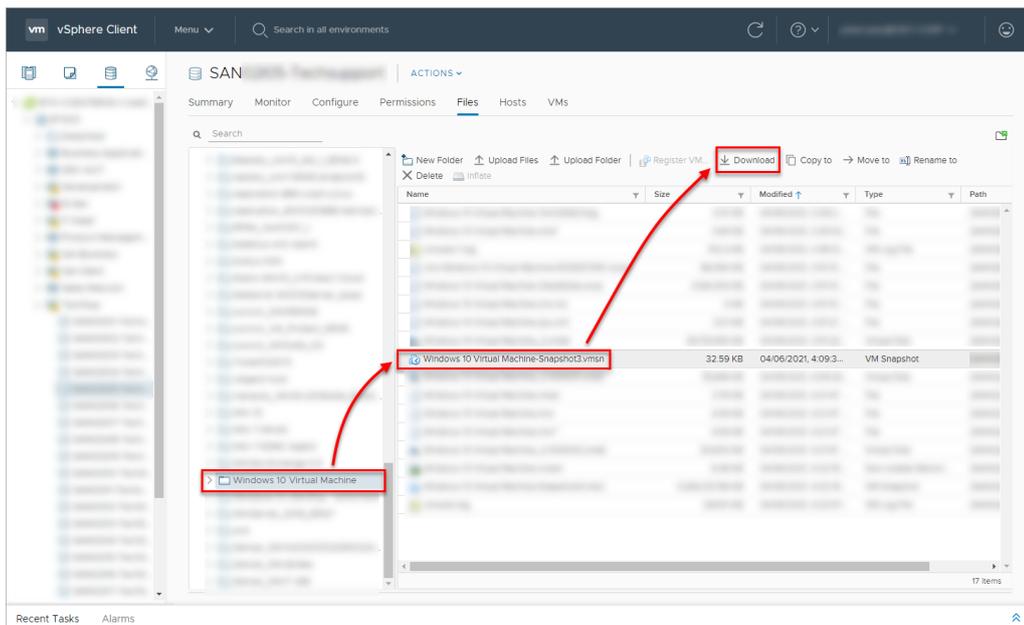
5. Right-click the virtual machine and select **Edit Settings**.

6. Select the virtual machine → click **Datastores** and click the datastore name.

7. Select the virtual machine, select the `.vmsn` file ([VMware Snapshot file](#)), click **Download** and save the file locally.

II. Use the vmss2core tool to create a memory dump from the virtual machine snapshot

1. [Download Vmss2core](#).

2. Select the check box next to **I have read and agree to the Technical Preview License I also understand that Flings are experimental and should not be run on production systems**.

3. Select the file for your operating system from the drop-down menu (for example, if you want to run the tool on Windows, select `vmss2core-sb-8456865.exe`) and click **Download**.
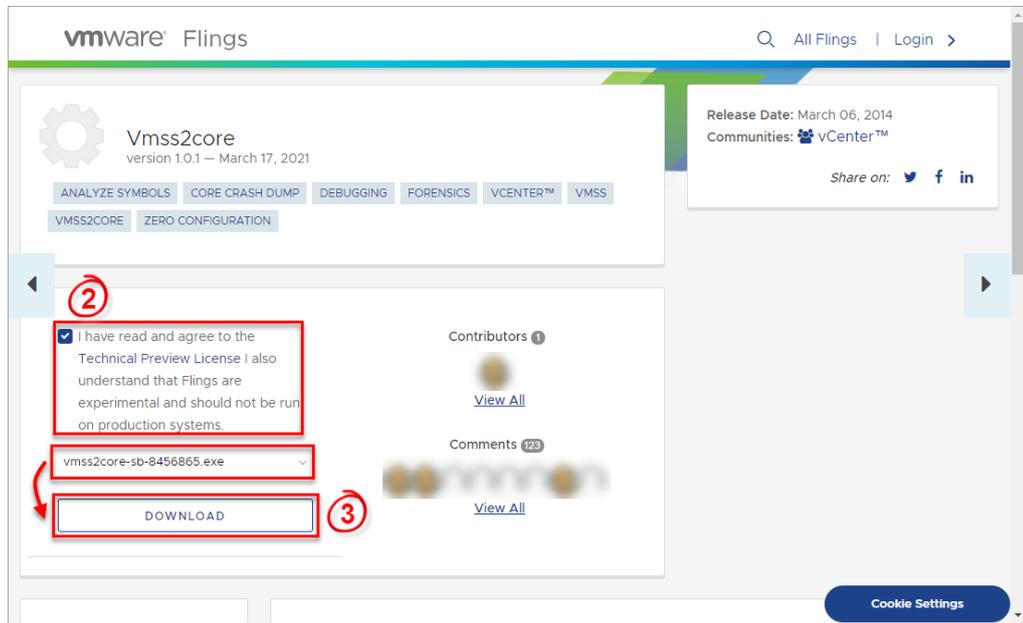
4. Place the [vmss2core tool](#) and the VMware snapshot file (downloaded in Step 7) into the same folder.

5. Run the vmss2core (`vmss2core-sb-8456865.exe` in this example) in the command line with the following parameters:

   - Specify the guest operating system from which the snapshot was created:

     - -W8 —Windows 8 and later or Windows Server 2012 and later.

     - -W —Windows 7 and older or Windows Server 2008 and older.

   - Virtual machine snapshot filename (for example, virtual_machine_name.vmsn).

   ⚠️ Blank spaces in the filename
   Use quotes if the filename contains blank spaces.
   `"virtual machine name.vmsn"`

   ```
   vmss2core-sb-8456865.exe -W8 "virtual_machine_name.vmsn"
   ```

6. When the vmss2core tool completes the operation, it creates a memory dump file named `memory.dmp` that can be used for additional troubleshooting.

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- [How do I generate a memory dump manually?](#)
- [How to create a Wireshark log](#)
- [Run the Info_get.command on a Linux machine and send the logs to ESET Technical Support](#)
- [Using tcpdump on a MacOS](#)
- [Using Process Monitor to create log files](#)
- [Using tcpdump on a Virtual Appliance](#)
- [How do I use ESET Log Collector?](#)