NOVASTOR CORPORATION
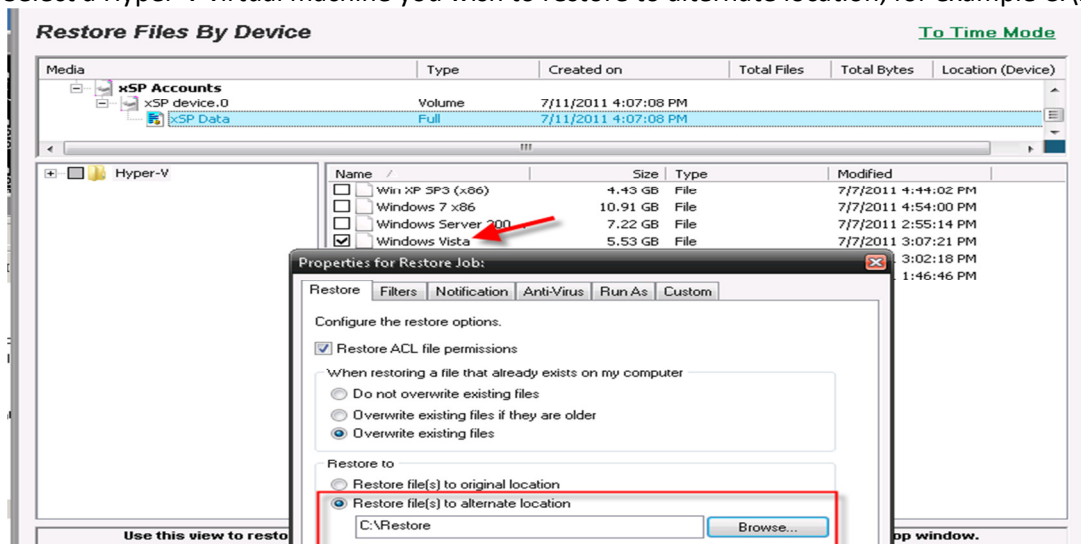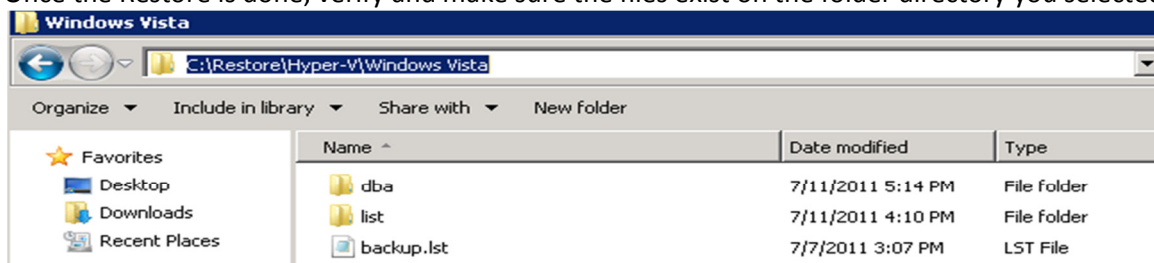
NovaBACKUP
Extracting Hyper-V VDF File

Introduction

1. Select a Hyper-V virtual machine you wish to restore to alternate location, for example C:\Restore.
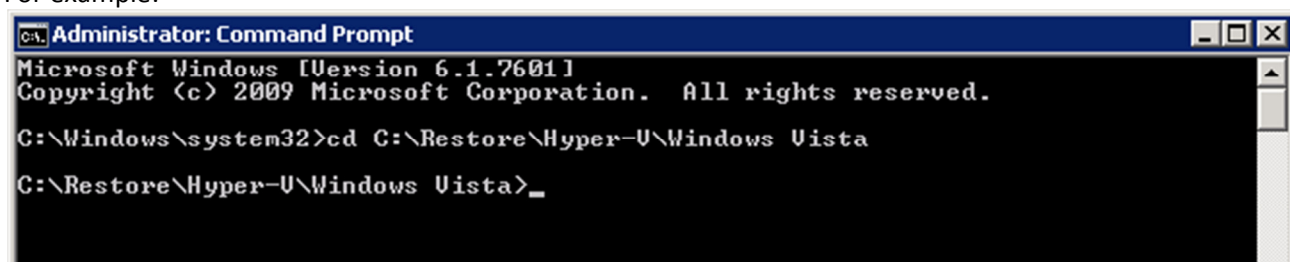

2. Once the Restore is done, verify and make sure the files exist on the folder directory you selected.

3. Open a command prompt and change the directory name as your Hyper-V machine you were trying to extract.
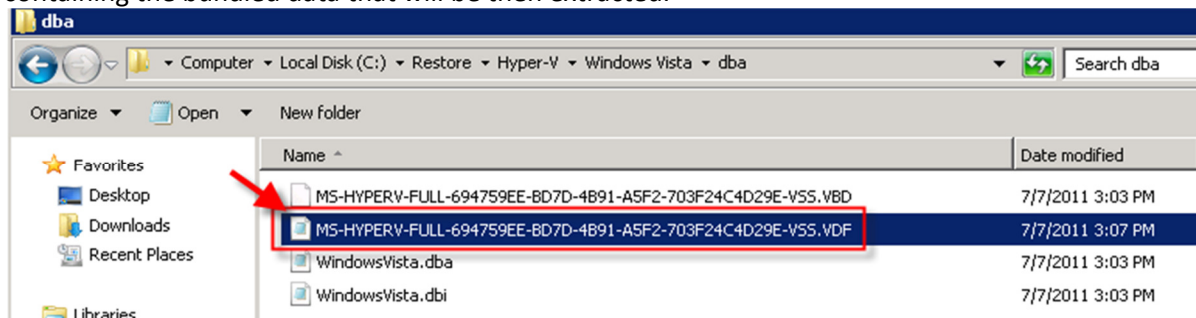   For example:

4. Look into "dba" sub directory and open the ".dbi" file as text file. You will then see one long comma-delimited line such as:

    VSSDBA,08.04.01,AG-HYPERV,SYSTEM,ST,full,694759EE-BD7D-4B91-A5F2-703F24C4D29E,Microsoft Hyper-V VSS Writer,AC00-1310076213.xml,WC01-1310076213.xml,DBA:C:\ProgramData\NovaStor\NovaStor NovaBACKUP\Vdata\Hyper-V\Windows Vista\dba\WindowsVista.dba,1,0,0,00:00:09,0,1310076213,Thu Jul 07 15:03:33 2011
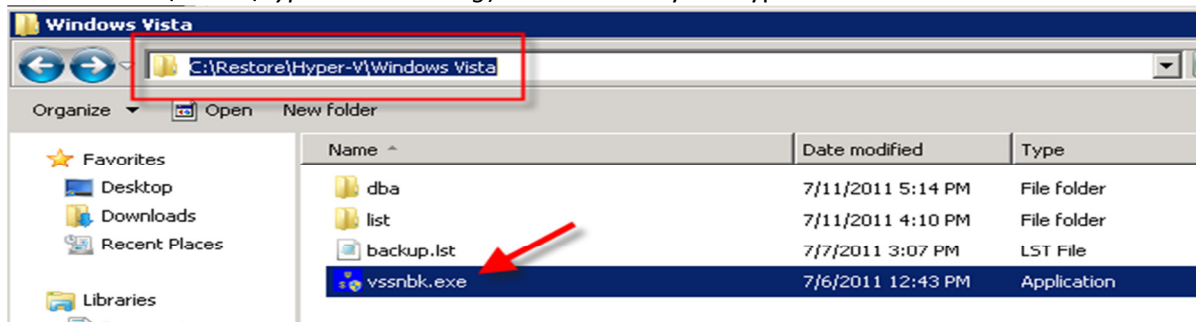
    You will need to take note numbers (highlighted in red), next to the last field to be used for a "stamp" parameter later on for the command line.

    For example: **1310076213**

5. Also, in your dba sub directory, take note of the full filename of the ".vdf" file. This is your dumpfile containing the bundled data that will be then extracted.

6. Copy the file "vssnbk.exe" that can be found under (*C:\ProgramData\NovaStor\NovaStor NovaBACKUP\Vdata\Hyper-V Processing*) to the root of your Hyper-V restore file location.
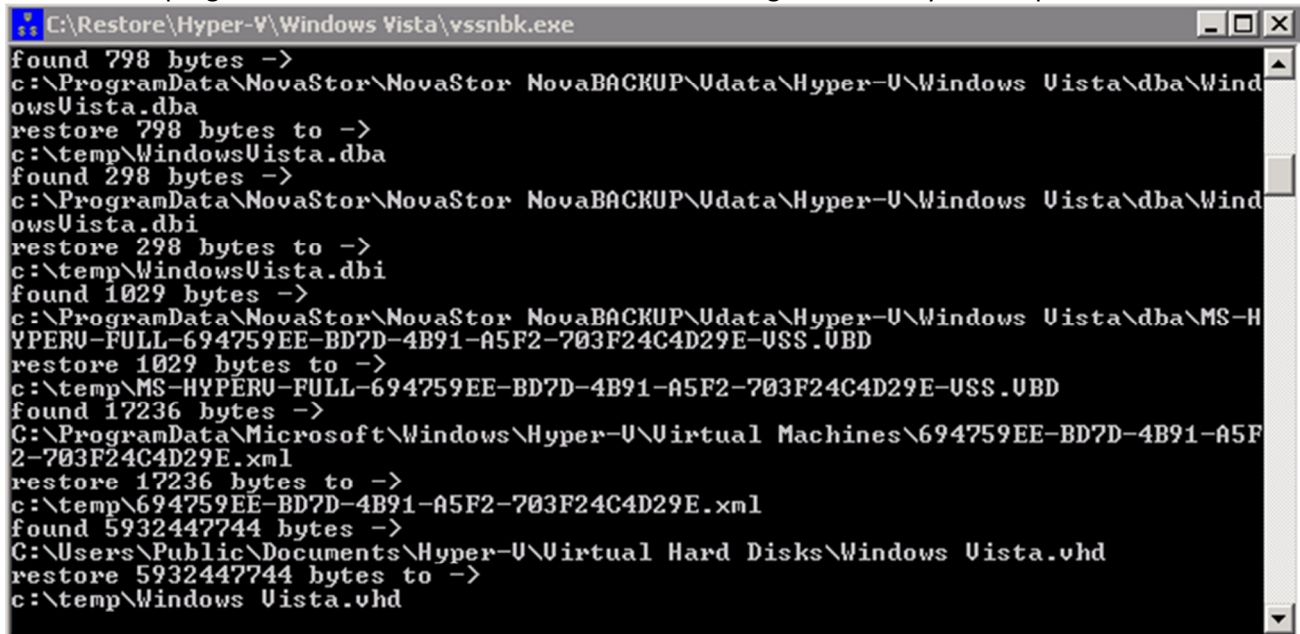

7. Decide on a location you want the extracted files to be placed and make sure the directory exists, for example *C:\temp*.
8. Given you have collected all the information above, run the following command line:

    vssnbk restore --stamp < Step 4 > --extract *.* --dumpfile dba\ < FILENAME.VDF> --tempdir <dir location>
    For example:

8a. Allow the program run for a few minutes and finish extracting the data to your temp location.


```
C:\Restore\Hyper-V\Windows Vista\vssnbk.exe                          _ □ ×
found 798 bytes ->
c:\ProgramData\NovaStor\NovaStor NovaBACKUP\Vdata\Hyper-V\Windows Vista\dba\Wind
owsVista.dba
restore 798 bytes to ->
c:\temp\WindowsVista.dba
found 298 bytes ->
c:\ProgramData\NovaStor\NovaStor NovaBACKUP\Vdata\Hyper-V\Windows Vista\dba\Wind
owsVista.dbi
restore 298 bytes to ->
c:\temp\WindowsVista.dbi
found 1029 bytes ->
c:\ProgramData\NovaStor\NovaStor NovaBACKUP\Vdata\Hyper-V\Windows Vista\dba\MS-H
YPERV-FULL-694759EE-BD7D-4B91-A5F2-703F24C4D29E-VSS.VBD
restore 1029 bytes to ->
c:\temp\MS-HYPERV-FULL-694759EE-BD7D-4B91-A5F2-703F24C4D29E-VSS.VBD
found 17236 bytes ->
C:\ProgramData\Microsoft\Windows\Hyper-V\Virtual Machines\694759EE-BD7D-A5F
2-703F24C4D29E.xml
restore 17236 bytes to ->
c:\temp\694759EE-BD7D-4B91-A5F2-703F24C4D29E.xml
found 5932447744 bytes ->
C:\Users\Public\Documents\Hyper-V\Virtual Hard Disks\Windows Vista.vhd
restore 5932447744 bytes to ->
c:\temp\Windows Vista.vhd
```

9. Once the program is done extracting the plugin files, you may use the ".vhd" file and manually mount to another Hyper-V Server and boot from it.