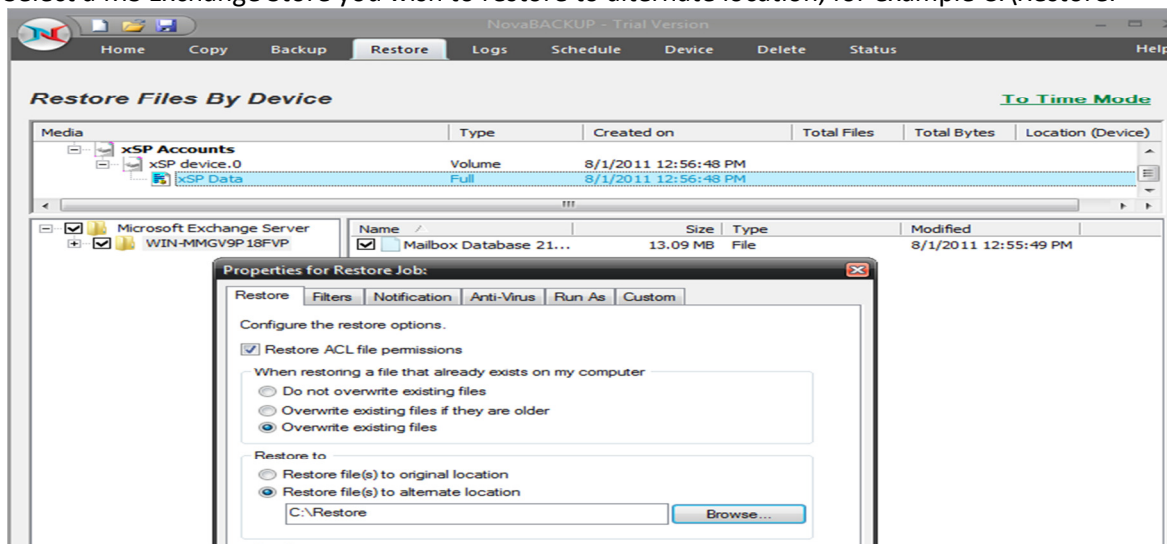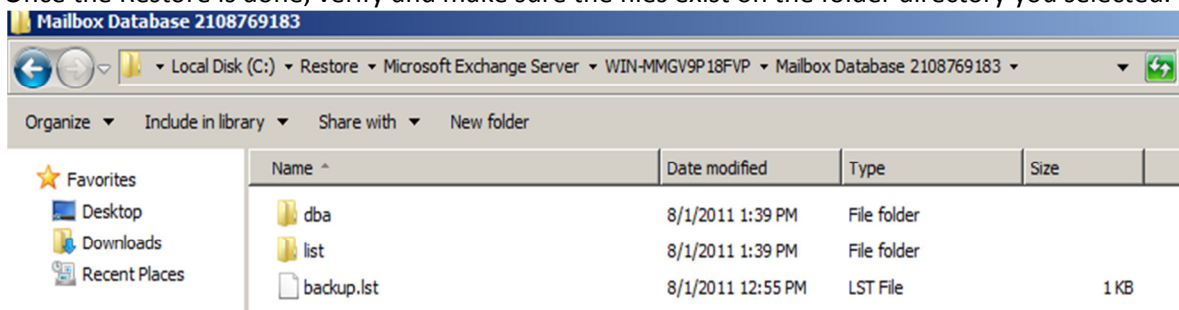**NOVASTOR CORPORATION**

NovaBACKUP
Extracting Exchange 2010 VDF File

Introduction

1. Select a MS Exchange Store you wish to restore to alternate location, for example C:\Restore.
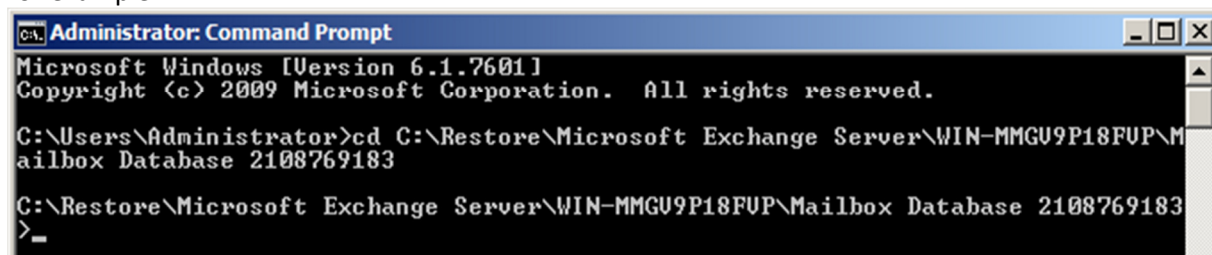

2. Once the Restore is done, verify and make sure the files exist on the folder directory you selected.

3. Open a command prompt and change the directory name as your MS Exchange 2010 you were trying to extract.
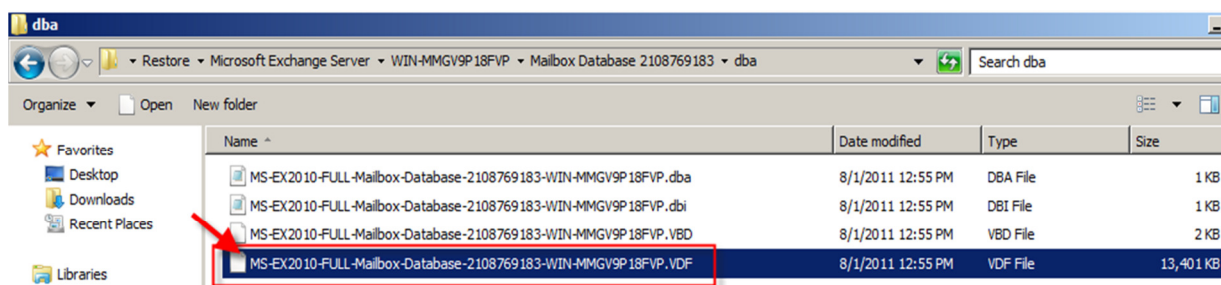   For example:

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,WIN-MMGV9P18FVP,SYSTEM,ST,full,55370f69-2eef-4613-853d-64d835480541,Microsoft Exchange Writer,AC00-1312228533.xml,WC01-1312228533.xml,DBA:C:\ProgramData\NovaStor\NovaStor NovaBACKUP\Vdata\Microsoft Exchange Server\WIN-MMGV9P18FVP\Mailbox Database 2108769183\dba\MS-EX2010-FULL-Mailbox-Database-2108769183-WIN-MMGV9P18FVP.dba,1,0,0,00:00:12,0,1312228533,Mon Aug 01 12:55:33 2011
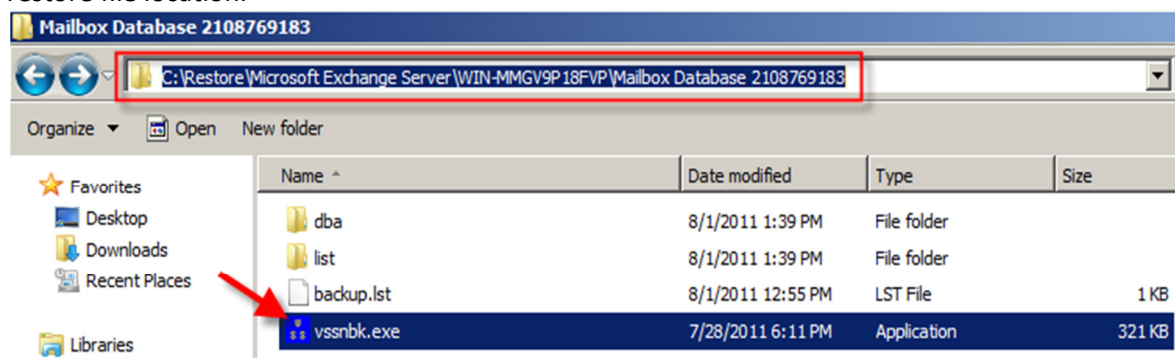
   You will need to take note numbers (highlighted in red), next to the last field to be used for a "stamp" parameter later on for the command line.

   For example: **1312228533**

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\Microsoft Exchange Processing*) to the root of your MS Exchange Server 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**.
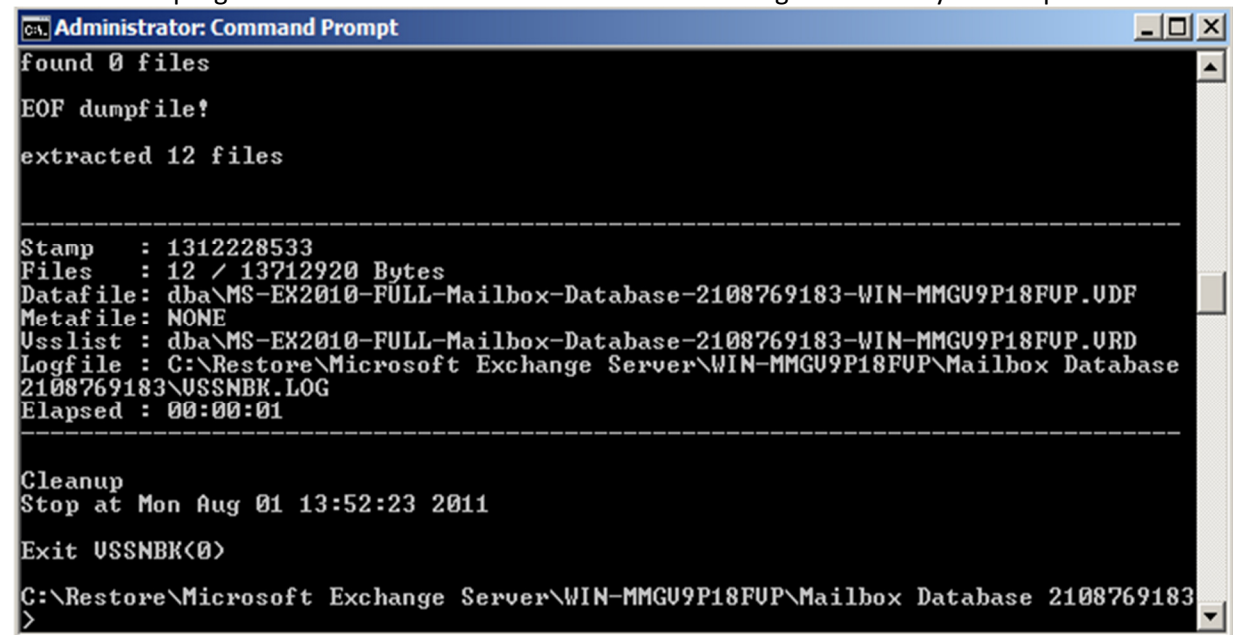
8. Given you have collected all the information above, run the following command line:

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

```
C:\Restore\Microsoft Exchange Server\WIN-MMGU9P18FVP\Mailbox Database 2108769183
>vssnbk restore --stamp 1312228533 --extract *.* --dumpfile dba\MS-EX2010-FULL-M
ailbox-Database-2108769183-WIN-MMGU9P18FVP.UDF --tempdir c:\temp
```

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

```
Administrator: Command Prompt

found 0 files

EOF dumpfile!

extracted 12 files

-----------------------------------------------------------------
Stamp    : 1312228533
Files    : 12 / 13712920 Bytes
Datafile: dba\MS-EX2010-FULL-Mailbox-Database-2108769183-WIN-MMGU9P18FVP.UDF
Metafile: NONE
Usslist : dba\MS-EX2010-FULL-Mailbox-Database-2108769183-WIN-MMGU9P18FVP.URD
Logfile : C:\Restore\Microsoft Exchange Server\WIN-MMGU9P18FVP\Mailbox Database
2108769183\VSSNBK.LOG
Elapsed : 00:00:01
-----------------------------------------------------------------

Cleanup
Stop at Mon Aug 01 13:52:23 2011

Exit VSSNBK(0)

C:\Restore\Microsoft Exchange Server\WIN-MMGU9P18FVP\Mailbox Database 2108769183
>
```
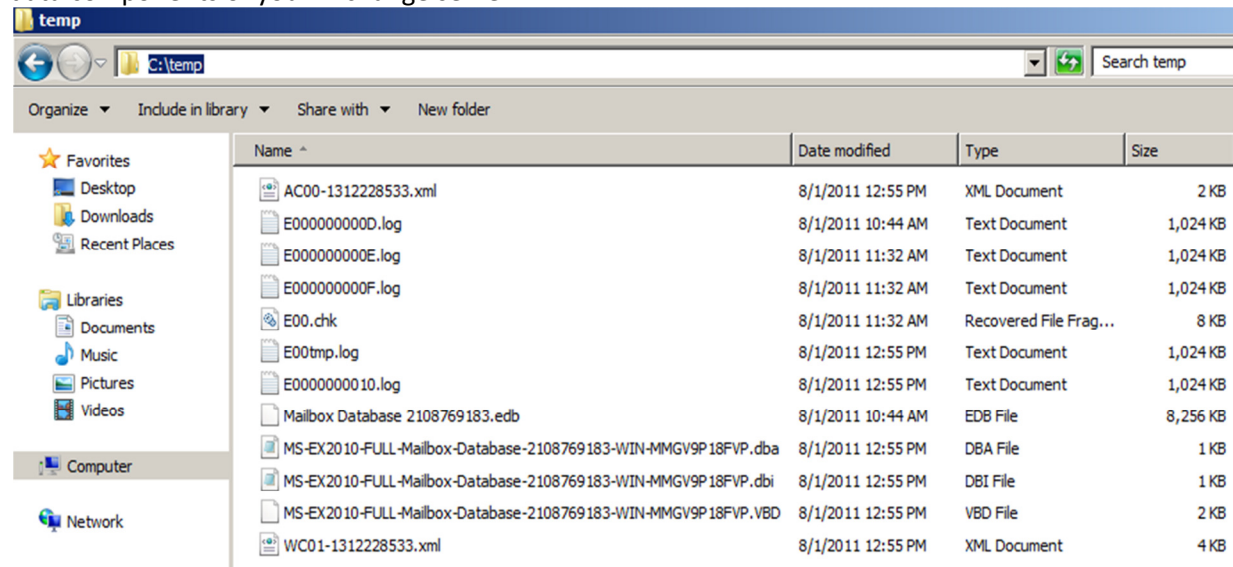
9. Once the program is done extracting the plugin files, you may retrieve the ".EDB" file and the rest of data components of your Exchange server.

Name ▲	Date modified	Type	Size
AC00-1312228533.xml	8/1/2011 12:55 PM	XML Document	2 KB
E000000000D.log	8/1/2011 10:44 AM	Text Document	1,024 KB
E000000000E.log	8/1/2011 11:32 AM	Text Document	1,024 KB
E000000000F.log	8/1/2011 11:32 AM	Text Document	1,024 KB
E00.chk	8/1/2011 11:32 AM	Recovered File Frag...	8 KB
E00tmp.log	8/1/2011 12:55 PM	Text Document	1,024 KB
E0000000010.log	8/1/2011 12:55 PM	Text Document	1,024 KB
Mailbox Database 2108769183.edb	8/1/2011 10:44 AM	EDB File	8,256 KB
MS-EX2010-FULL-Mailbox-Database-2108769183-WIN-MMGV9P18FVP.dba	8/1/2011 12:55 PM	DBA File	1 KB
MS-EX2010-FULL-Mailbox-Database-2108769183-WIN-MMGV9P18FVP.dbi	8/1/2011 12:55 PM	DBI File	1 KB
MS-EX2010-FULL-Mailbox-Database-2108769183-WIN-MMGV9P18FVP.VBD	8/1/2011 12:55 PM	VBD File	2 KB
WC01-1312228533.xml	8/1/2011 12:55 PM	XML Document	4 KB