RSA NetWitness Logs

Event Source Log Configuration Guide

IBM IDMS

Last Modified: Monday, May 22, 2017

Event Source Product Information:

Vendor: IBM
Event Source: Mainframe IDMS
Platforms: Mainframe z/OS v1.9, v1.10, v1.11, v1.12 and v1.13
Additional Downloads: idmsextr.cfg, idmsextr.trs, IDMSSFTP.jcl and SFTPCMD.txt.CAIDMS

RSA Product Information:

Supported On: NetWitness Suite 10.0 and later
Event Source Log Parser: ibmidms
Collection Method: File
Event Source Class.Subclass: Host.Mainframe

To configure IBM Mainframe IDMS to work with RSA NetWitness Suite, you must complete these tasks:

I. Configure IBM Mainframe IDMS

II. Configure NetWitness Suite for File Collection

Configure the IBM Mainframe IDMS Event Source

To configure IBM Mainframe IDMS:

1. Complete the following to download files from the RSA SecurCare Online (SCOL) web site:

   a. Go to https://knowledge.rsasecurity.com and log onto RSA SecurCare Online (SCOL).

   b. Navigate to the **RSA NetWitness Suite Event Source Configuration Additional Downloads** page. SCOL displays available additional downloads.

   c. Locate the IBM Mainframe IDMS entry in the list.

   - Right-click on the **idmsextr.cfg** file and select **Save Target As…**. Complete the Save As dialog box and click **Save**.
   - Right-click on the **idmsextr.trs** file and select **Save Target As…**. Complete the Save As dialog box and click **Save**.
   - Right-click on the **SFTPCMD.txt.CAIDMS** file and select **Save Target As…**. Complete the Save As dialog box and click **Save**.
   - Right-click on the **IDMSSFTP.jcl** file and select **Save Target As…**. Complete the Save As dialog box and click **Save**.

   Rename SFTPCMD.txt.CAIDMS to SFTPCMD before uploading to the mainframe. Then follow the instructions in the **SFTPCMD** file.

   For reference, here are the instructions that appear in the SFTPCMD file:

   ```
   This SFTP script is called by the SFTP step in your JCL to send
   the audit data to the RSA appliance. It is critical that ONLY
   the command portion of this document is used for the SFTP
   script file for the z/OS device to execute the SFTP script
   correctly. In the statements below, replace:

   - 'idms_10.100.255.255' with the source directory that the z/OS
   device event source uses to communicate to RSA NetWitness
   Suite.

   - '/u/idms/ascii.zOS_device.data' with your Unix HFS directory
   and file name.
   ```

```
These SFTP commands will be copied from MVS to a Unix HFS shell
script that will be used by BPXBATCH to control your SFTP.
```

2. Copy the files that you saved in Step 1.c. above to the Mainframe.

> **Note: idmsextr.trs** is a "TERSED" file containing the **IDMSEXTR** program. This file is like a PC zip file and requires you to use the IBM **TRSMAIN** program to un-zip or un-terse this file. This program is available from www.ibm.com. When uploading the **TRS** file from a workstation, pre-allocate a file with the following **DCB** attributes: **DSORG=PS**, **RECFM=FB**, **LRECL= 1024**, **BLKSIZE=6144**. The file transfer type must be BINARY, not text. The following is a sample JCL for unloading the **IDMSEXTR.TRS** file into a PDS containing the **IDMSEXTR** program:

```
//UNLOAD  JOB (T,JXPO,JKSD0093),TEST,
// MSGCLASS=P,
// REGION=0M
//*************************************************************
****
//SET1  SET  INFILE='YOUR_HIGH_LEVEL.IDMSEXTR.TRS',
//         OUTFILE='YOUR_HIGH_LEVEL.IDMSEXTR.LINKLIB'
//DEL    EXEC PGM=IEFBR14
//DD1    DD   DISP=(MOD,DELETE),DSN=&OUTFILE,
//       UNIT=SYSDA,
//       SPACE=(CYL,(10,10))
//UNLOAD EXEC PGM=TRSMAIN,REGION=0K,
//         TIME=1440,
//         PARM='UNPACK'
//SYSPRINT  DD  SYSOUT=*,DCB=(LRECL=133,BLKSIZE=12901,RECFM=FBA)
//INFILE    DD  DISP=SHR,DSN=&INFILE
//OUTFILE   DD  DISP=(MOD,CATLG,DELETE),DSN=&OUTFILE,
//       SPACE=(CYL,(10,10,5),RLSE),
//       UNIT=SYSDA
//
```

3. Complete the following to edit the JCL to configure for you site's naming conventions:
   a. Edit the JCL file to include the RSA NetWitness Suite Log Collector SFTP information.
   b. Set up the job cards.
   c. Change the dataset name to match your site's conventions.

      Here are notes on the JCL DD name to assist you:

Field	Description
IDMSIN	Local system SMF dataset to be entered into the **IDMSEXTR** program.
IDMSOUT	Dataset created as output from the **IDMSEXTR** program and sent via SFTP to RSA NetWitness Suite.
CONFIG	(Optional) Dataset containing the configuration file or change the **DD** statement to read **//CFG DD DUMMY**.
SFTPCMD	SFTP file transfer control card file.

d. Copy the **IDMSEXTR** program to an existing link listed library or add a **STEPLIB DD** statement with the correct dataset name of the library that will contain the program.

e. (Optional) Copy **idmsextr.cfg** to an existing library and modify in order to customize the data collected.

Configure NetWitness Suite for File Collection

To configure File collection for IBM Mainframe IDMS, complete the following tasks:

I. Configure the Log Collector for File collection

II. Set up the SFTP Agent

Configure the Log Collector for File Collection

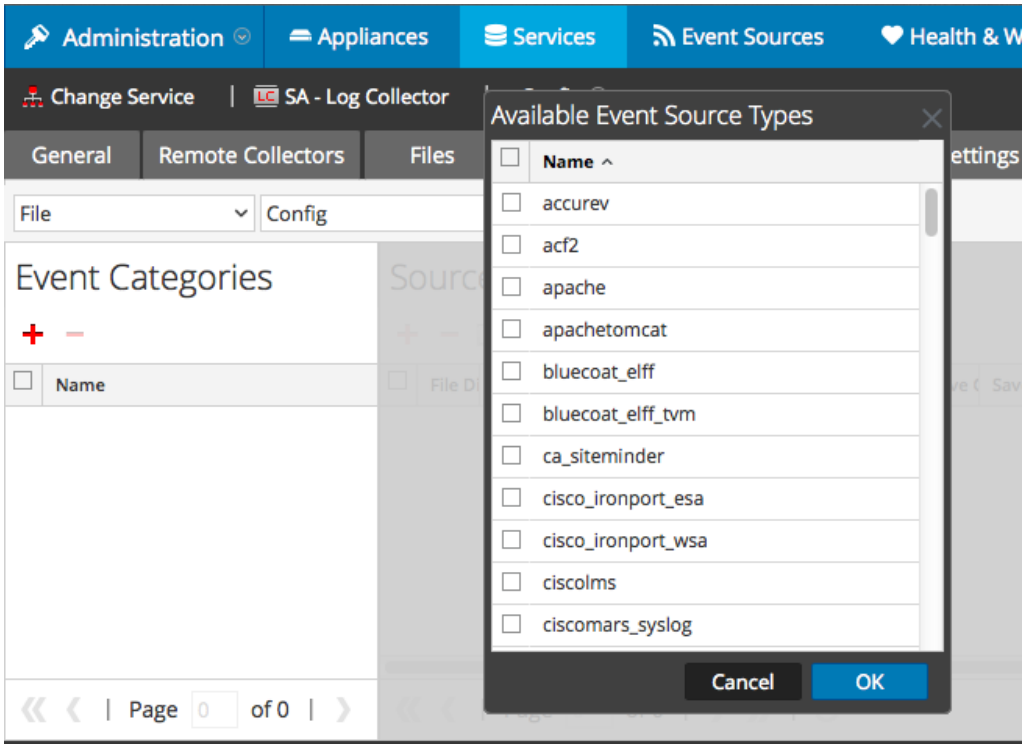
Perform the following steps to configure the Log Collector for File collection.

To configure the Log Collector for file collection:

1. In the **NetWitness** menu, select **Administration** > **Services**.
2. In the Services grid, select a Log Collector, and from the Actions menu, choose **View** > **Config** > **Event Sources**.
3. Select **File/Config** from the drop-down menu.

   The Event Categories panel displays the File event sources that are configured, if any.
4. In the Event Categories panel toolbar, click +.

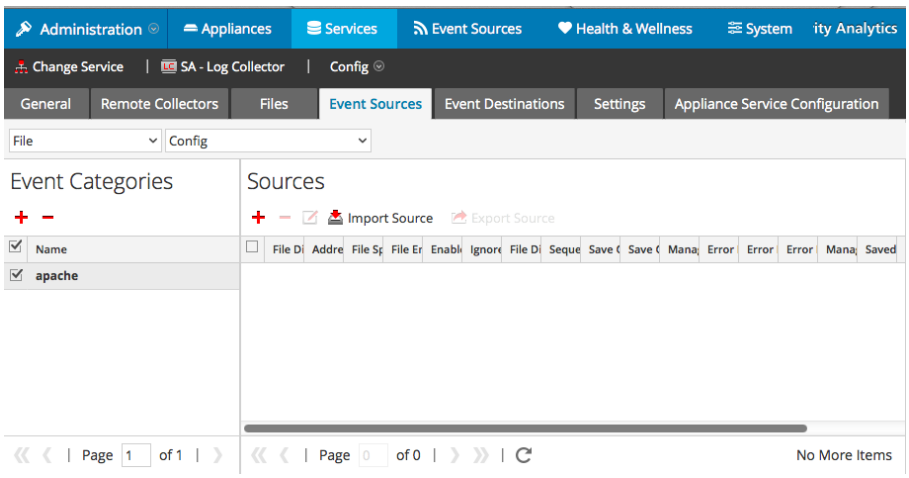
   The Available Event Source Types dialog is displayed.



5. Select the correct type from the list, and click **OK**.

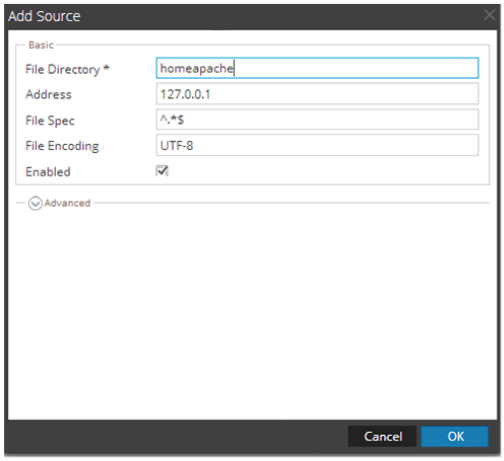
   Select **ibmidmstvm** from the **Available Event Source Types** dialog.

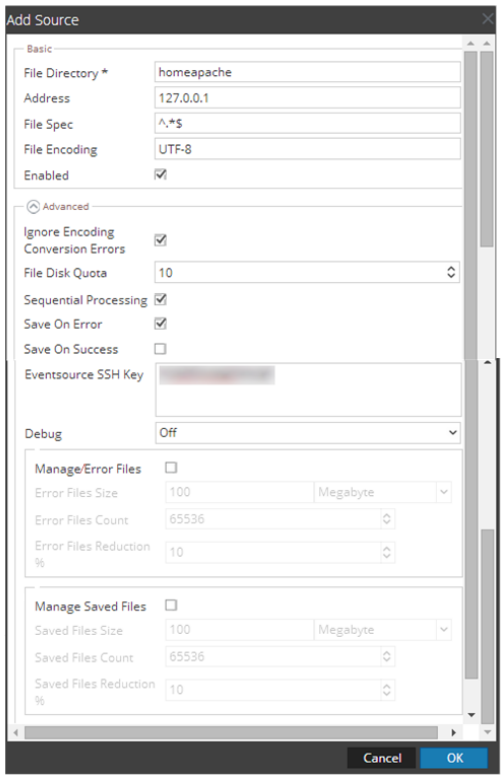
   The newly added event source type is displayed in the Event Categories panel.



6. Select the new type in the Event Categories panel and click + in the Sources panel toolbar.

   The Add Source dialog is displayed.





7. Add a File Directory name, modify any other parameters that require changes, and click **OK**.
8. Stop and Restart File Collection. After you add a new event source that uses file collection, you must stop and restart the NetWitness File Collection service. This is necessary to add the key to the new event source.

Set Up the SFTP Agent

To set up the SFTP Agent Collector, download the appropriate PDF from RSA Link:

- To set up the SFTP agent on Windows, see Install and Update SFTP Agent
- To set up the SFTP agent on Linux, see Configure SA SFTP Agent shell script

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