



IBM Tivoli Training Netcool/Proviso 4.4.3

Purging metric data



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This IBM Education Assistant module demonstrates manually purging metric data in Tivoli® Netcool/Proviso 4.4.3.

Objectives

Upon completion of this module, you should be able to:

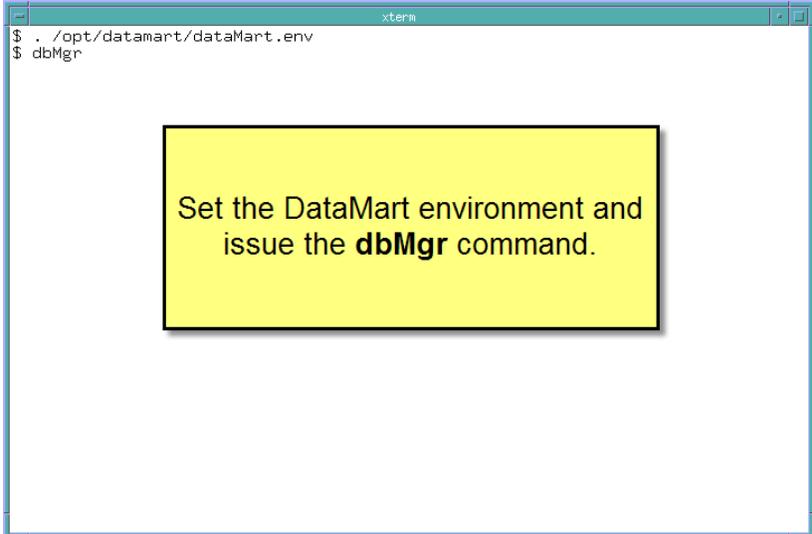
- Describe the sequence of manually purging metric data using the **dbMgr** command
- Locate the online Netcool/Proviso documentation source that details automating the metric data purge process

Upon completion of this module, you should be able to:

Describe the sequence of manually purging metric data using the **dbMgr** command

Locate the online Netcool/Proviso documentation source that details automating the metric data purge process

Manual data purge uses the dbMgr command



```
xterm
$ ./opt/datamart/dataMart.env
$ dbMgr
```

Set the DataMart environment and issue the **dbMgr** command.

At a command prompt, set the **/opt/datamart/dataMart.env** and enter the **dbMgr** command. Do not purge metric data without proper authorization.

Use dbMgr to show partitions that can be purged

```
xterm
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List of Procedures

1. adjustDataLoadsTempTablespace
2. alterTablespaceReadOnly
3. analyzeMetaDataTables
4. deleteOffHoursPeriod
5. generateFilesColdBackup
6. insertOffHoursPeriod
7. monitorFileSystem
8. monitorTablespaces
9. purgePartitions
10. resizeTablespaceFile
11. selectOffHoursPeriod
12. showDBPackageVersions
13. showPurgeablePartitions
14. showTablespaceFiles
15. versionDeleteBySingleProvisoComp
16. versionDeleteProvisoGlobal
17. versionRptByProvisoApp
18. versionRptByProvisoComponent

Q. Quit      P. Previous  N. Next

Choice : 13
```

The **dbMgr** command returns a shell with a list of procedures. Choose **showPurgeablePartitions**, option **13**.

Choose 1 to select channel

```
xterm
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Procedure : showPurgeablePartitions

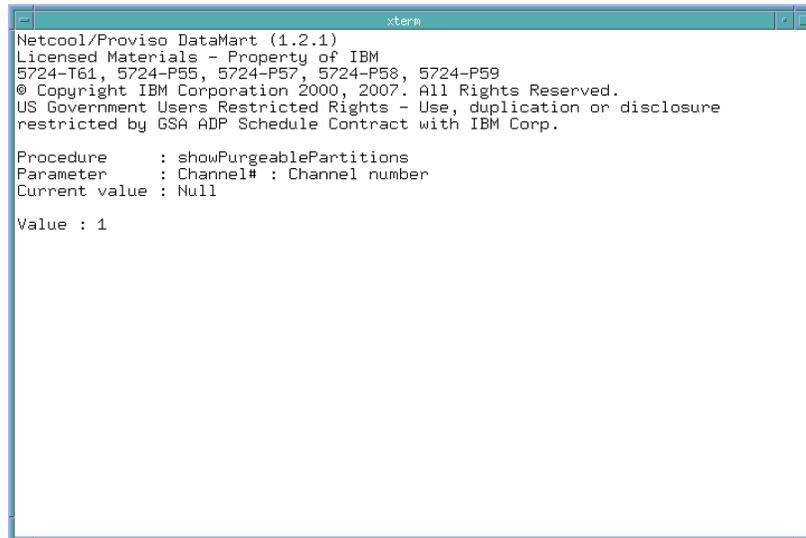
argument          value
-----          -
1. Channel#       Null
2. Data type

B. Back          P. Previous    N. Next        E. Execute

Choice : 1
```

A channel number and data type are selected. Choose **1** to go to channel selection.

Choose channel number



```
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Procedure      : showPurgeablePartitions
Parameter      : Channel# : Channel number
Current value  : Null

Value : 1
```

Supply the channel number at the **Value** prompt. The current value shown is null.

Select 2 to choose data type to purge

```
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Procedure : showPurgeablePartitions

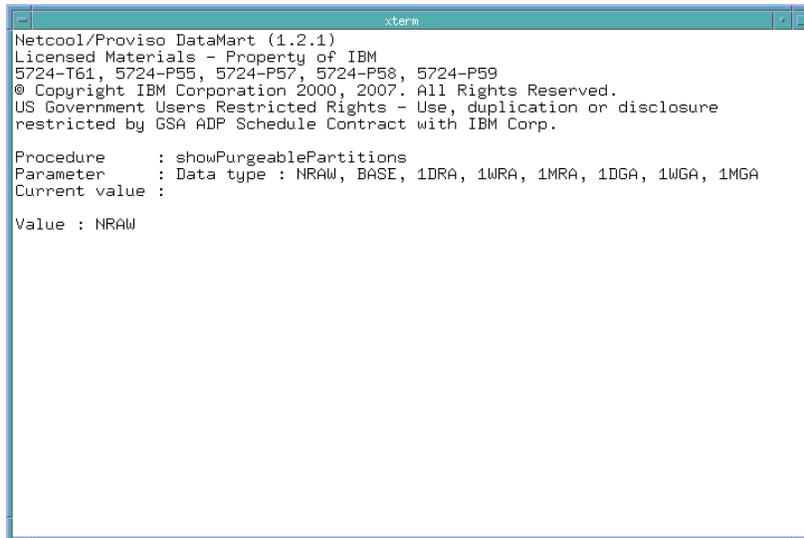
argument          value
-----          -
1. Channel#       1
2. Data type

B. Back          P. Previous      N. Next          E. Execute

Choice : 2
```

You supply the data type by entering **2** at the **Choice** prompt.

Select data type to purge



```
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Procedure      : showPurgeablePartitions
Parameter     : Data type : NRAW, BASE, 1DRA, 1WRA, 1MRA, 1DGA, 1WGA, 1MGA
Current value  :
Value         : NRAW
```

The data types available to review are shown in the parameter line. In the example, **NRAW** is the value entered.

Choose E and confirm choice

```
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Procedure : showPurgeablePartitions

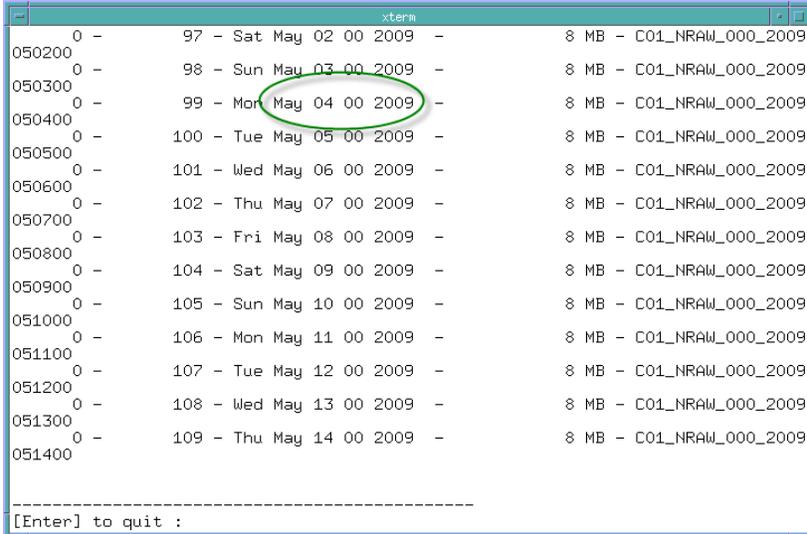
argument          value
-----          -
1. Channel#       1
2. Data type      NRAW

B. Back          P. Previous    N. Next        E. Execute

Choice : E
procedure : showPurgeablePartitions 1 NRAW
Confirmation (y/n) :y
```

After you have supplied the channel and data type, choose **E** and reply **y** to the confirmation request.

Note the month, day, and year for purging



0	-	97	-	Sat	May	02	00	2009	-	8	MB	-	C01_NRAW_000_2009	
050200	0	-	98	-	Sun	May	03	00	2009	-	8	MB	-	C01_NRAW_000_2009
050300	0	-	99	-	Mon	May	04	00	2009	-	8	MB	-	C01_NRAW_000_2009
050400	0	-	100	-	Tue	May	05	00	2009	-	8	MB	-	C01_NRAW_000_2009
050500	0	-	101	-	Wed	May	06	00	2009	-	8	MB	-	C01_NRAW_000_2009
050600	0	-	102	-	Thu	May	07	00	2009	-	8	MB	-	C01_NRAW_000_2009
050700	0	-	103	-	Fri	May	08	00	2009	-	8	MB	-	C01_NRAW_000_2009
050800	0	-	104	-	Sat	May	09	00	2009	-	8	MB	-	C01_NRAW_000_2009
050900	0	-	105	-	Sun	May	10	00	2009	-	8	MB	-	C01_NRAW_000_2009
051000	0	-	106	-	Mon	May	11	00	2009	-	8	MB	-	C01_NRAW_000_2009
051100	0	-	107	-	Tue	May	12	00	2009	-	8	MB	-	C01_NRAW_000_2009
051200	0	-	108	-	Wed	May	13	00	2009	-	8	MB	-	C01_NRAW_000_2009
051300	0	-	109	-	Thu	May	14	00	2009	-	8	MB	-	C01_NRAW_000_2009
051400														

[Enter] to quit :

The metric data purge requires that you supply the year, month, day, and hour (for NRAW data) of the of the metric data to purge in addition to the channel number and data type. The hour is stated as a two-place numerical value ranging from 01 to 24.

Choose 9 to purge the partition

```
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List of Procedures

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7. monitorFileSystem
8. monitorTablespaces
9. purgePartitions
10. resizeTablespaceFile
11. selectOffHoursPeriod
12. showDBPackageVersions
13. showPurgeablePartitions
14. showTablespaceFiles
15. versionDeleteBySingleProvisoComp
16. versionDeleteProvisoGlobal
17. versionRptByProvisoApp
18. versionRptByProvisoComponent

Q. Quit      P. Previous  N. Next

Choice : 9
```

Return to the **List of Procedures** menu and select the **purgePartitions** procedure, choice **9**.

Choose channel number

```
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Procedure : purgePartitions

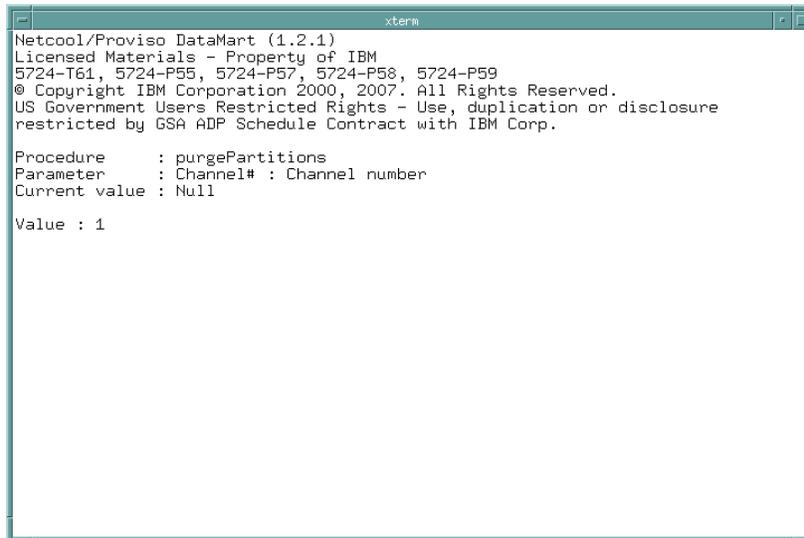
argument          value
-----          -
1. Channel#       Null
2. Data type
3. Date
4. Format          YYYY.MM.DD-HH24

B. Back          P. Previous      N. Next          E. Execute

Choice : 1
```

Choose **1** to define the channel number.

Enter the channel number



```
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Procedure      : purgePartitions
Parameter      : Channel# : Channel number
Current value  : Null

Value : 1
```

Enter the channel number to use. The current value is null.

Choose the data type option

```
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Procedure : purgePartitions

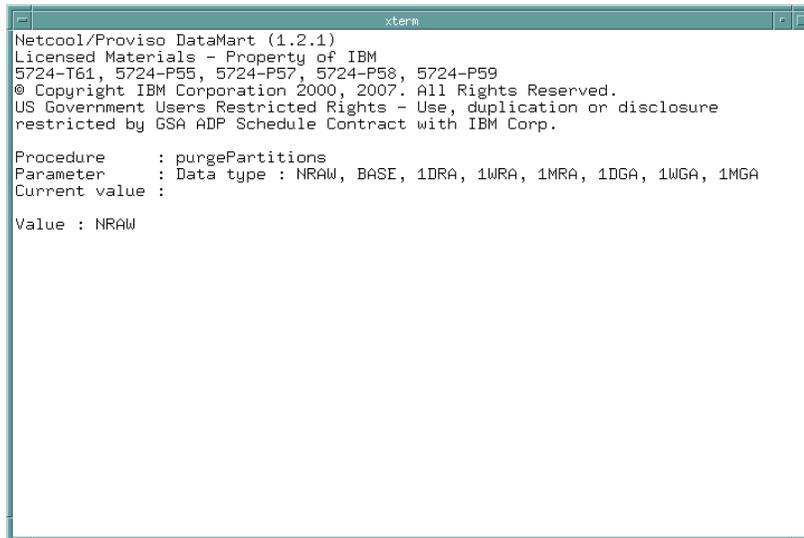
argument          value
-----          -
1. Channel#       1
2. Data type
3. Date
4. Format          YYYY.MM.DD-HH24

B. Back          P. Previous      N. Next          E. Execute

Choice : 2
```

Choose **2** to supply the data type.

Enter the data type value



```
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Procedure      : purgePartitions
Parameter      : Data type : NRAW, BASE, 1DRA, 1WRA, 1MRA, 1DGA, 1WGA, 1MGA
Current value  :
Value : NRAW
```

Select the data type to purge. **NRAW** is supplied in this example.

Choose the date option

```
xterm
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Procedure : purgePartitions

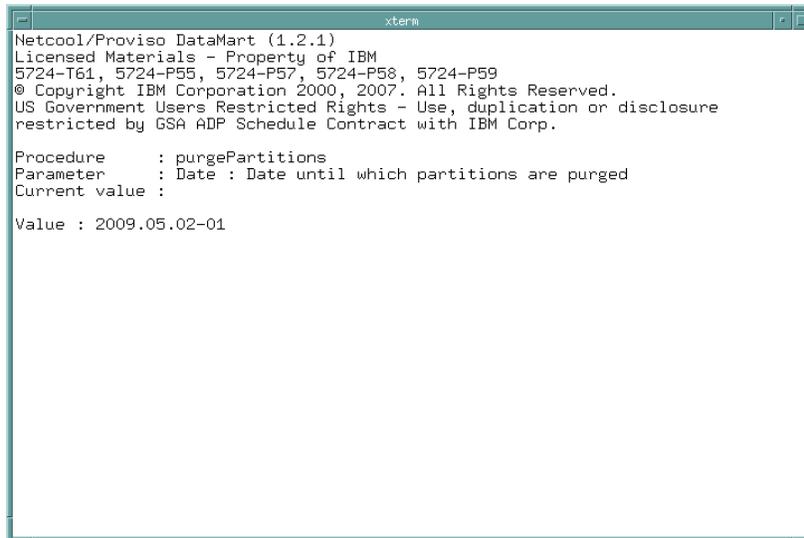
argument          value
-----          -
1. Channel#       1
2. Data type      NRAW
3. Date           YYYY.MM.DD-HH24
4. Format

B. Back          P. Previous     N. Next        E. Execute

Choice : 3
```

Choose **3** to supply the date of the metric data to purge.

Enter date value (YYYY.MM.DD-HR)



```
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Procedure      : purgePartitions
Parameter      : Date : Date until which partitions are purged
Current value  :
Value : 2009.05.02-01
```

Enter the date in the format YYYY.MM.DD-HH for NRAW data. The hour is a two-place numerical value, 01 to 24.

Choose execute and confirm choice

```
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Procedure : purgePartitions

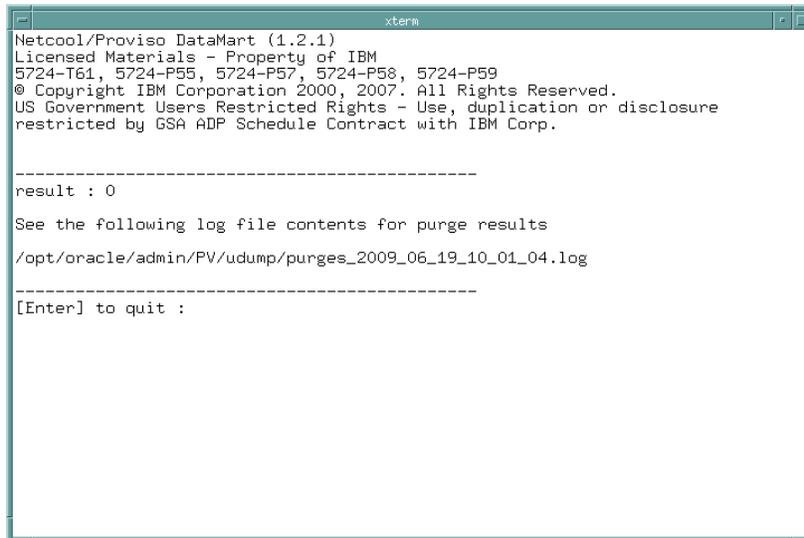
argument          value
-----
1. Channel#       1
2. Data type      NRAW
3. Date           2009.05.02-01
4. Format         YYYY.MM.DD-HH24

B. Back          P. Previous     N. Next         E. Execute

Choice : E
procedure : purgePartitions 1 NRAW 2009.05.02-01 YYYY.MM.DD-HH24
Confirmation (y/n) :y
```

Choose **E** to purge the partition and confirm that you want to purge this partition.

Result of purge and location of log file displayed



```
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-----
result : 0

See the following log file contents for purge results
/opt/oracle/admin/PV/udump/purges_2009_06_19_10_01_04.log

-----
[Enter] to quit :
```

The metric data purge takes time. When the metric data purge finishes, the result of the purge and the path to the log file for the purge are displayed.

Output from log file

```

xterm
$ more purges_2009_06_19_10_01_04.log
Proviso - Purge results - Fri Jun 19 10 2009
Channel# : 1
TableSet : NRAW
Date      : Sat May 02 01 2009

Table      Partition      Dropped Tablespace      Drop
ped
-----
---
C01_NRAW_000_H2 C01_NRAW_000_H2_2009012600 Yes C01_NRAW_000_2009012600 Yes
C01_NRAW_000_H2 C01_NRAW_000_H2_2009012700 Yes C01_NRAW_000_2009012700 Yes
C01_NRAW_000_H2 C01_NRAW_000_H2_2009012800 Yes C01_NRAW_000_2009012800 Yes
C01_NRAW_000_H2 C01_NRAW_000_H2_2009012900 Yes C01_NRAW_000_2009012900 Yes
C01_NRAW_000_H2 C01_NRAW_000_H2_2009013000 Yes C01_NRAW_000_2009013000 Yes
C01_NRAW_000_H2 C01_NRAW_000_H2_2009013100 Yes C01_NRAW_000_2009013100 Yes
C01_NRAW_000_H2 C01_NRAW_000_H2_2009020100 Yes C01_NRAW_000_2009020100 Yes
C01_NRAW_000_H2 C01_NRAW_000_H2_2009020200 Yes C01_NRAW_000_2009020200 Yes
C01_NRAW_000_H2 C01_NRAW_000_H2_2009020300 Yes C01_NRAW_000_2009020300 Yes
--More-- (7%)

```

The log file shows the tables dropped, partitions dropped, and table spaces dropped and the status of the purge request.

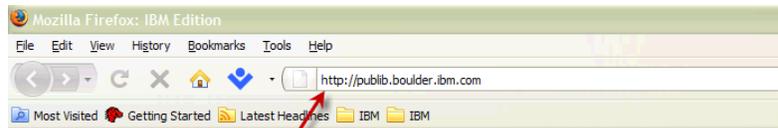
Need for an automated metric data purge

- Manual metric data purge is time consuming
- Only one channel, data type, can be purged at a time using the manual purge method
- An automated tool is available as part of the Netcool/Proviso distribution
- The automated tool and its use is detailed in Netcool/Proviso documentation

There is a need for an automated purge process in very large installations or installations where database space is at a premium. The manual purge procedures are time consuming. However, an automated metric data purge tool is included with the Netcool/Proviso distribution.

This module does not cover the process of automating the metric data purge. It does, in the following slides, describe where to find the documentation to automate the metric data purge.

Open a Web browser



Open a browser and input the following URL:
http://publib.boulder.ibm.com

Open a Web browser and enter the following URL: **http://publib.boulder.ibm.com**

Choose support type and product

The screenshot shows a web page titled "Support & downloads" with a sidebar menu containing "Support & downloads", "Warranties and licenses", and "Feedback". A yellow callout box contains the following instructions:

1. Choose support type: is Tivoli
2. Choose a product: is Netcool/Proviso
3. Click the blue button

Below the callout box, the "Select product or service type for support" form is visible. It has two dropdown menus: "Choose support type:" with "Tivoli" selected (labeled 1) and "Choose a product:" with "Netcool/Proviso" selected (labeled 2). A blue button with a plus sign is labeled 3. The footer of the page includes "Purging metric data" and "© 2009 IBM Corporation" with the page number "23".

Select support type **Tivoli** and product **Netcool/Proviso** from the pull-down menus. Click the blue button to advance to the next Web page.

Select the product Netcool/Proviso



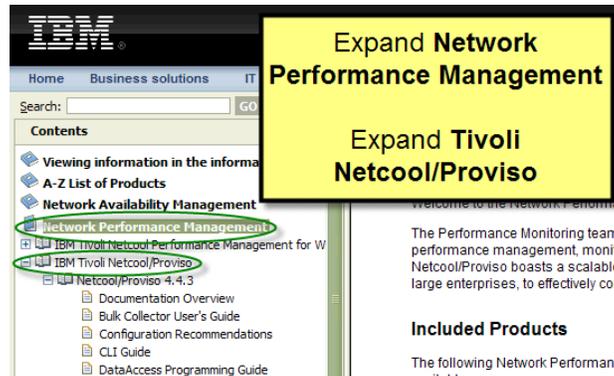
Click **Netcool/Proviso**.

Select Product manuals

The screenshot shows the IBM website interface for the Netcool/Proviso product. The top navigation bar includes links for Home, Solutions, Services, Products, Support & downloads, and My IBM. The breadcrumb trail indicates the path: Software > Tivoli > Products > Netcool/Proviso. In the left-hand navigation menu, the 'Product manuals' link is circled in green. A yellow callout box with a black border and the text 'Click Product manuals' is positioned over this link. The main content area displays the product name 'Netcool/Proviso' and a brief description of its capabilities. The footer of the page contains the text 'Purging metric data' and '© 2009 IBM Corporation'.

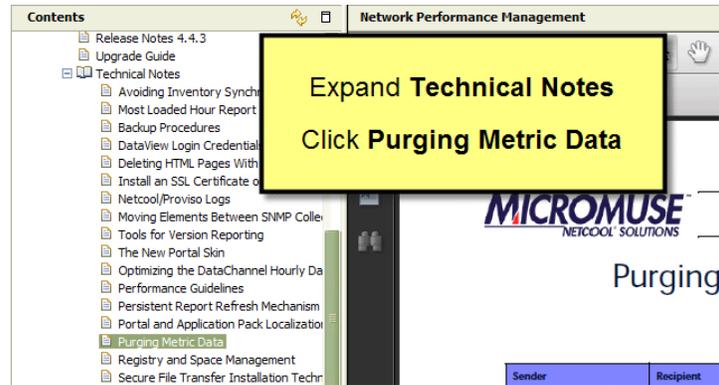
Click **Product manuals**.

Expand the Netcool/Proviso documentation



Expand **Network Performance Management**, **IBM Tivoli Netcool/Proviso**, and **Netcool/Proviso 4.4.3**.

Click Purging Metric Data in Technical Notes



Expand **Technical Notes** and click **Purging Metric Data**. The document that covers automating the metric data purge is displayed.

Summary

You should now be able to:

- Describe the sequence of manually purging metric data using the **dbMgr** command
- Locate the online Netcool/Proviso documentation source that details automating the metric data purge process

You should now be able to:

Describe the sequence of manually purging metric data using the **dbMgr** command

Locate the online Netcool/Proviso documentation source that details automating the metric data purge process

Training roadmap for *Netcool/Proviso*

http://www.ibm.com/software/tivoli/education/edu_prd.html



Copy and paste the link provided into the Web browser of your choice to explore the Netcool/Proviso training roadmap.

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