



z/OS DFSMSrmm Documentation Changes

Version 2 Release 4

First Edition (July 2020)

This edition applies to z/OS DFSMSrmm V2R4, and to all subsequent releases and modifications until otherwise indicated in new editions. Make sure you are using the correct edition for the level of the product.

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About This Book

This publication contains the corrections to the z/OS DFSMSrmm manuals. These changes are to be implemented into this manual starting V2R4 and above.

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```
+-----Product-sensitive programming interface-----+
```

Product-sensitive Programming Interface and Associated Guidance Information...

```
+-----End of Product-sensitive programming interface-----+
```

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Chapter 1 APAR OA59499 z/OSMF RMM Plug-in, OA59727 z/OSMF RMM Plug-in Improvements, and OA60151 z/OSMF RMM Plug-in serviceability enhancements

“z/OS DFSMSrmm Implementation and Customization Guide(SC23-6874-40)” changes Chapter “Introducing DFSMSrmm”

Topic “Who can use DFSMSrmm and how?”

New subtopic “Using DFSMSrmm WUI” has been added

DFSMSrmm WEB GUI(WUI) provides an alternative to ISPF green screens. It is deployed as a z/OSMF plugin and interacts with RMM server via z/OSMF REST API interface and RMM TSO API commands. It offers a subset of those features that can be controlled or displayed via DFSMSrmm ISPF panels. Modern user interface allows users that are not experienced with RMM to quickly get started and get an easy overview of RMM status and Volume information. Most of fields in the DFSMSrmm WUI have hints with helpful instructions, input fields have data validation that prevents users from entering incorrect values.

Chapter “Implementing DFSMSrmm”

Topic “Step 24: Setting up DFSMSrmm web service (optional)”

This topic has been appended with the following text

Also, you can use the DFSMSrmm WUI as an alternative to interact with RMM server via subset of DFSMSrmm TSO commands. It offers a subset of those features that can be controlled or displayed via DFSMSrmm ISPF panels.

The new chapter “The DFSMSrmm WUI” has been added to the manual.

Chapter The DFSMSrmm WUI

The DFSMSrmm Web GUI provides an alternative to 3270 RMM green screens. It is deployed as a z/OSMF plug-in and interacts with RMM via the z/OSMF REST API interface and RMM TSO API commands. It offers a subset of those features that can be controlled or displayed via RMM ISPF panels.

Setting up the DFSMSrmm WUI

The DFSMSrmm WUI plugin for z/OSMF represents a web user interface for DFSMSrmm. It provides a subset of functionality implemented by ISPF screens of DFSMSrmm.

DFSMSrmm WUI depends on:

- DFSMS Removable Media Manager (RMM)
- z/OSMF Nucleus
- z/OSMF Administration tasks
- z/OSMF TSO/E address space services

DFSMSrmm WUI - Installation

To install the DFSMSrmm WUI plugin for z/OSMF, you need to follow these steps:

1. Before installation, make sure that DFSMSrmm and z/OSMF are running and properly configured using their configuration guides.
 - 1.1. To install and configure DFSMSrmm, follow this guide: [Implementing DFSMSrmm](#).
 - 1.2. To install and configure core features of z/OSMF, follow these guides: [Create a z/OSMF nucleus on your system](#); [Configure the z/OSMF administration tasks](#).
 - 1.3. z/OSMF TSO API must be authorized to SAF.
You can check the existing API Authorizations in the [Security Configuration Assistant tab](#) of z/OSMF.
 - 1.4. Make sure that the User that will be using the DFSMSrmm WUI is added to either the IZUUSER or the IZUADMIN SAF groups.
2. Open z/OSMF in your browser and run the z/OSMF “Import Manager” plugin. You need to [be authorized to access](#) the “Import Manager” task.
3. In the z/OSMF “Import Manager” plugin, specify the full path to the ../plugin.properties file located in the root folder of the DFSMSrmm WUI and click the 'Import' button.
4. To use the DFSMSrmm WUI plugin, authorize user groups IZUADMIN and IZUUSER (or your custom user group) to the plugin’s class in SAF by issuing the commands as below:

```
RDEFINE ZMFAPLA IZUFLT.ZOSMF.DFSMS.RMM.WUI UACC(NONE)
```

```
PERMIT IZUFLT.ZOSMF.DFSMS.RMM.WUI CLASS(ZMFAPLA)  
ID(IZUADMIN) ACCESS(CONTROL)
```

```
PERMIT IZUFLT.ZOSMF.DFSMS.RMM.WUI CLASS(ZMFAPLA)  
ID(IZUUSER) ACCESS(READ)
```

```
SETROPTS RACLIST(ZMFAPLA) REFRESH
```

Refresh the z/OSMF web page to accept changes of SAF permissions.

5. Add the DFSMSrmm WUI TSO logon procedure:
 - 5.1. Add a TSO logon procedure as a member named "EDGWUILP" to PDS containing your TSO logon procedures.

- 5.2. Add the following contents to the logon procedure:

```
//EDGWUILP EXEC PGM=IKJEFT01,REGION=6144K,  
//          DPRTY=(10,10),TIME=1440,DYNAMNBR=50
```

You can also find the sample EDGWUILP logon procedure inside the SYS1.SEDGEXE1 library or ../assets/logon/ directory of the DFSMSrmm WUI.

- 5.3. Define the logon procedure to SAF. Sample commands:

```
RDEFINE TSOPROC EDGWUILP UACC(NONE)
```

```
PERMIT EDGWUILP CLASS(TSOPROC) ID(IZUADMIN) ACCESS(READ)
```

```
PERMIT EDGWUILP CLASS(TSOPROC) ID(IZUUSER) ACCESS(READ)
```

```
SETROPTS RACLIST(TSOPROC) REFRESH
```

- 5.4. It is recommended to enable no less than 2 simultaneous TSO sessions for a user. Otherwise the DFSMSrmm WUI may encounter stability issues.
 - 5.5. To check that the logon procedure was successfully installed, logon to the TSO terminal using the EDGWUILP procedure.
If the TSO logon is successful and no errors or prompts for user input are received at logon, the logon procedure installation is successful.

The EDGWUILP procedure is not designed to work with ISPF.

6. Run the DFSMSrmm WUI plugin from the z/OSMF web interface and open its settings tab.

Check all settings in the "Web application" block, except the "Request limit" setting. They must be the same as the settings used to successfully connect to your TSO terminal on step 5.5.

The logon procedure name used must be the 'EDGWUILP' procedure installed in step 5.

It is recommended to log off from other active TSO sessions for the current user.

7. To accept TSO connection settings, use the "Save" button and reload the DFSMSrmm WUI page to finish the installation.

To update existing installation:

Re-import the plugin as defined in steps 2., 3. of the installation instructions

RMM Authorizations

Volumes Tab

To use the "Volumes" tab you need READ access to the STGADMIN.EDG.MASTER resource profile.

In addition, if COMMANDAUTH(DSN) is in effect, you need READ access to the first file data set name in the DATASET class. If there is no first file defined to DFSMSrmm and the volume is in master status or user status, you need READ access to the volume in the TAPEVOL class.

When the RACF® SETROPTS MLNAMES command has been used to activate the name-hiding function, or when COMMANDAUTH(DSN) is in use, to list and search all entries independent of the access granted to the DATASET and TAPEVOL class, you need either CONTROL access to the STGADMIN.EDG.MASTER profile resource or CONTROL access to the STGADMIN.EDG.LIST profile resource.

Data Sets tab

To use the “Data Sets” tab you need READ access to the STGADMIN.EDG.MASTER resource profile.

In addition, if COMMANDAUTH(DSN) is in effect, you need READ access to the data set name in the DATASET class.

When the RACF® SETROPTS MLNAMES command has been used to activate the name-hiding function, or when COMMANDAUTH(DSN) is in use, to list and search all entries independent of the access granted to the DATASET and TAPEVOL class, you need either CONTROL access to the STGADMIN.EDG.MASTER profile resource or CONTROL access to the STGADMIN.EDG.LIST profile resource.

Defaults Table tab

To use the “Defaults Table” tab you need CONTROL access to the STGADMIN.EDG.MASTER resource profile when the STGADMIN.EDG.LISTCONTROL resource profile is not defined.

Or you need CONTROL access to the STGADMIN.EDG.LISTCONTROL resource profile when the STGADMIN.EDG.LISTCONTROL resource profile is defined.

Monitoring tab

To use the “Monitoring” tab you need CONTROL access to the STGADMIN.EDG.MASTER resource profile when the STGADMIN.EDG.LISTCONTROL resource profile is not defined.

Or you need CONTROL access to the STGADMIN.EDG.LISTCONTROL resource profile when the STGADMIN.EDG.LISTCONTROL resource profile is defined.

Using the DFSMSrmm WUI

DFSMSrmm WUI consists of the four main tabs (Volumes, Data Sets, Defaults Table and Monitoring) and one Settings tab. Tabs are accessed from the top navigation panel of the WUI. It also contains two additional views: Volumes and Data Sets relation view and the Network Logs.

Volumes tab is used to display the main table with a list of Volumes which can be filtered by using the applied search filters. This tab has a panel that displays detailed information for a selected Volume.

Data Sets tab is used to display the main table with a list of Data Sets which can be filtered by using the applied search filters. This tab has a panel that displays detailed information for a selected Data Set.

Volumes and Data Sets relation view shows Volumes containing the selected Data Set for a multi-volume Data Set, or Data Sets that are located on a selected Volume. This view is accessible from a context (right-click) menu of Volumes or Data Sets tabs.

Defaults Table tab is used to display a table with RMM Defaults Table policies.

Monitoring tab is used to display information about the current RMM status. It has general information about the system, PARMLIB, RMM CDS (Control Data Set), the RMM Journal. Additionally, it contains network information which available if RMM is being used in a client/server setup.

Settings tab is used to display and modify current settings of the DFSMSrmm WUI. From this tab, you can navigate to the network logs for the service purposes.

Network logs view is used to display network requests that returned abnormal (non-2XX) HTTP response codes. It can be used to check whether there are some issues detected during the exploitation of the DFSMSrmm WUI. This log can be downloaded for the service analysis.

Volumes tab.

“Volumes” tab is used to display filtered list of Volumes and detailed information on a Volume stored in RMM

To use the “Volumes” tab you need READ access to the STGADMIN.EDG.MASTER resource profile.

In addition, if COMMANDAUTH(DSN) is in effect, you need READ access to the first file data set name in the DATASET class. If there is no first file defined to DFSMSrmm and the volume is in master status or user status, you need READ access to the volume in the TAPEVOL class.

When the RACF® SETROPTS MLNAMES command has been used to activate the name-hiding function, or when COMMANDAUTH(DSN) is in use, to list and search all entries independent of the access granted to the DATASET and TAPEVOL class, you need either CONTROL access to the STGADMIN.EDG.MASTER profile resource or CONTROL access to the STGADMIN.EDG.LIST profile resource.

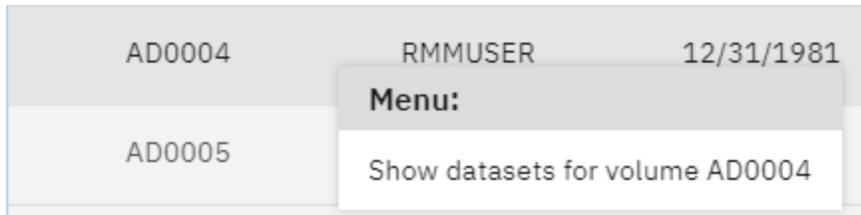
“Volumes” tab consists of the following elements:

Volume Serial	Owner	Assigned Date	Expiration Date	Retention Conditions	Retention Date	Status	Location	System ID	Size
AD0001	IBMUSER	12/31/2016	01/01/2007			MASTER	SHELF	EZU104	1 KB
AD0002		12/31/2020				SCRATCH	SHELF		0 KB
AD0003	RMMUSER	12/31/2014	12/31/2000			MASTER	SHELF		0 KB
AD0004	RMMUSER	12/31/1981	12/31/2020	Expiration date not reached		MASTER	SHELF	EZU160	2 KB
AD0005	RMMUSER	10/02/2017	12/31/1997			USER	SHELF		0 KB
AD0006		05/06/2004				SCRATCH	SHELF		0 KB
AD0007	IBMUSER	02/29/2004	02/29/2028	Expiration date not reached		USER	SHELF	EZU104	1 KB
AD0008	RMMUSER	01/01/2029	02/29/1984			USER	SHELF		0 KB
AD0009		12/31/2024				SCRATCH	SHELF		0 KB
AD0010		12/31/2051				SCRATCH	SHELF		0 KB
AD0011		04/05/2036				SCRATCH	SHELF		0 KB

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1. Top Navigation panel. Contains tabs which represents main sections of the DFSMSrmm WUI
2. Volumes list. It contains Volume search results depending on applied filters. Information is retrieved using RMM TSO commands LISTVOLUME and SEARCHVOLUME. A right-click on this table opens a menu which allows to show Data Sets for the selected Volume:



3. “Download Table” button. Starts to download current search results to PC in *.csv format.
4. “Filters” button. Opens a modal window with filters that are set for the list of Volumes displayed in “Volumes” tab
5. “Refresh” button. Use it to update the list of volumes.
6. Volume details. Contains detailed information about the selected volume. This panel is hidden until a Volume from the list of volumes is clicked.
7. “Notification” button. Opens a window with the history of notifications which have appeared during the current session.
8. Volumes list navigation bar. It displays the total amount of volumes and pages and is used to navigate through the list.

Filters applied to the list of volumes are set in the following modal window:

Volumes filters ×

<p>Volume serial ⓘ</p> <input style="width: 90%;" type="text" value="*"/>	<p>Job Name ⓘ</p> <input style="width: 90%;" type="text" value="Job Name"/>	<p>NOJOBNAME</p> <input type="checkbox"/> OFF
<p>Owner ⓘ</p> <input style="width: 90%;" type="text" value="*"/>	<p>Status ⓘ</p> <div style="border: 1px solid #ccc; padding: 2px;">ALL</div>	
<p>Expiration Date ⓘ</p> <div style="display: flex; justify-content: space-between;"> <input style="width: 45%;" type="text" value="mm/dd/yyyy"/> — <input style="width: 45%;" type="text" value="mm/dd/yyyy"/> </div>	<p>Create Date ⓘ</p> <div style="display: flex; justify-content: space-between;"> <input style="width: 45%;" type="text" value="mm/dd/yyyy"/> — <input style="width: 45%;" type="text" value="mm/dd/yyyy"/> </div>	
<p>Reference Date ⓘ</p> <div style="display: flex; justify-content: space-between;"> <input style="width: 45%;" type="text" value="mm/dd/yyyy"/> — <input style="width: 45%;" type="text" value="mm/dd/yyyy"/> </div>	<p>Retention Date ⓘ</p> <input style="width: 100%;" type="text" value="Retention Date"/>	

Reset
Apply

Note: Below is a short description of the fields used to filter the list of volumes. All fields correspond to the similarly named parameters in the RMM SEARCHVOLUME subcommand. For detailed usage and restrictions, please see the [“z/OS DFSMSrmm Managing and Using Removable Media”](#) for the SEARCHVOLUME command.

Volume Serial field

specifies the serial numbers of the Volumes that are being searched. This field has a switcher button to turn on/off the search volumes interval.

Owner field

specifies a specific owner ID to list volumes belonging to that owner.

Expiration Date field

specifies the search criteria of expiration date of the searched volumes.

Reference Date field

filters the list based on last read date and last write dates, using the most recent of both dates.

Job Name field

specifies the name of a job which created the volumes.

Status field

allows to filter Volumes that have a specific status.

Create Date field

specifies the search criteria of created date of the searched volumes.

Retention Date field

specifies the retention date of the volumes that are being searched.

Data Sets tab.

The “Data Sets” tab is used to display a filtered list of Data Sets and detailed information on a Data Set stored in RMM.

To use the “Data Sets” tab you need READ access to the STGADMIN.EDG.MASTER resource profile.

In addition, if COMMANDAUTH(DSN) is in effect, you need READ access to the data set name in the DATASET class.

When the RACF® SETROPTS MLNAMES command has been used to activate the name-hiding function, or when COMMANDAUTH(DSN) is in use, to list and search all entries independent of the access granted to the DATASET and TAPEVOL class, you need either CONTROL access to the STGADMIN.EDG.MASTER profile resource or CONTROL access to the STGADMIN.EDG.LIST profile resource.

The “Data Sets” tab consists of the following elements:

Data Set Name	Volume Serial	Owner	SEQ	Expiration Date	Retention Date
RMMUSER.TDS1.D4	AD0004	RMMUSER	1	10/26/2020	
RMMUSER.TDS2.D4	AD0004	RMMUSER	2	10/26/2020	
RMMWUI.V0001.TDS1	AD0001	IBMUSER	1	01/01/2007	
RMMWUI.V0001.TDS2	AD0001	IBMUSER	2	12/31/2000	
RMMWUI.V0007.TDS1	AD0007	IBMUSER	1	02/29/2028	
RMMWUI.V0013.TDS1	AD0013	RMMUSER	1	02/29/2000	
RMMWUI.V0017.TDS1	AD0017	RMMUSER	1	12/31/2000	
RMMWUI.V0026.TDS1	AD0026	IBMUSER	1	08/14/2012	
RMMWUI.V0027.TDS1	AD0027	IBMUSER	1	01/01/2032	
RMMWUI.V0029.TDS1	AD0029	RMMUSER	1	12/31/2056	
RMMWUI.V0036.TDS1	AD0036	RMMUSER	1	02/29/2056	

1. Top Navigation panel. Contains tabs which represent the main sections of the DFSMSrmm WUI.
2. Data Sets list. Contains data sets search results that depend on the applied filters. Information is retrieved using RMM TSO commands LISTDATASET and SEARCHDATASET. A right-click on this table opens a menu which allows to show the volumes for the selected data set:

3. “Download Table” button. Starts to download current search results to PC in *.csv format.
4. “Filters” button. Opens a modal window with filters that are set for the list of data sets displayed in “Data Sets” tab
5. “Refresh” button. Use it to update the list of data sets.
6. Data Set Details. Contains detailed information about the selected data set. This panel is hidden until a data set from the list of data sets is clicked.
7. “Notification” button. Opens window with history of notifications which appear during current session.
8. Data Sets list navigation bar. It displays total amount of data sets and pages and is used to navigate through the list.

Filters applied to the list of Data Sets are set in the following modal window:

Data Sets filters ✕

Data Set Name ⓘ	Volume Serial ⓘ	Job Name ⓘ	NOJOBNAME
<input type="text" value="*"/>	<input type="text" value="*"/>	<input type="text" value="Job Name"/>	<input type="checkbox"/> OFF
Owner ⓘ	Program Name ⓘ		NOPROGRAMNAME
<input type="text" value="*"/>	<input type="text" value="Program Name"/>		<input type="checkbox"/> OFF
Expiration Date ⓘ	Create Date ⓘ		
<input type="text" value="mm/dd/yyyy"/> — <input type="text" value="mm/dd/yyyy"/>	<input type="text" value="mm/dd/yyyy"/> — <input type="text" value="mm/dd/yyyy"/>		
Reference Date ⓘ	Retention Date ⓘ		
<input type="text" value="mm/dd/yyyy"/> — <input type="text" value="mm/dd/yyyy"/>	<input type="text" value="Retention Date"/>		

Reset
Apply

Note: Below is a short description of the fields used to filter the list of data sets. All fields correspond to the similarly named parameters in the RMM SEARCHDATASET command. For detailed usage and restrictions, please see the ["z/OS DFSMSrmm Managing and Using Removable Media"](#) for the SEARCHDATASET command.

- Data Set Name field*
specifies the mask or a fully-qualified Data Set name to lists only those Data Sets.
- Volume Serial field*
specifies the serial number of the volume where Data Sets are being searched.
- Owner field*
specifies a specific owner ID to list Data Sets belonging to that owner.
- Expiration Date field*
specifies the search criteria of expiration date of the searched Data Sets.
- Reference Date field*
filters the list based on last read date and last write date parameters, using the most recent of both dates.
- Job Name field*
specifies the name of a job which created the data sets.
- Program Name field*
specifies the name of a job step program running at the time the data sets were opened for output.
- Create Date field*
specifies the search criteria of created date of the searched Data Sets.

Retention Date field

specifies the retention date of the Data Sets that are being searched.

Defaults Table tab.

“Defaults Table” tab displays RMM defaults table, currently in read-only mode.

To use the “Defaults Table” tab you need CONTROL access to the STGADMIN.EDG.MASTER resource profile when the STGADMIN.EDG.LISTCONTROL resource profile is not defined.

Or you need CONTROL access to the STGADMIN.EDG.LISTCONTROL resource profile when the STGADMIN.EDG.LISTCONTROL resource profile is defined.

“Defaults Table” tab consists of the following elements:

DSN mask	Job name mask	KEYDATE	Pgm name mask	Continue	RM	Pool	EDM	VRS value	VX	Last ref days	Ret PD	RO	RetainBy	WHILECAT
AAA.BBB.CCC	JOBNAME1	NOKEYDATE	*	✘	VRSEL		Y	VRSVL051	Y	91001	PERM	N	VOLUME	ON
RMMWULV0026	JOBNAME2	NOKEYDATE	PRMNAME	✘	VRSEL		Y	VRSVL051	Y				VOLUME	ON

1. Top Navigation panel. Contains tabs which represent main sections of the DFSMSrmm WUI
2. Defaults Table. Contains information from RMM Defaults Table.
3. “Download Table” button. Starts to download current table to PC in *.csv format.
4. “Refresh” button. Use it to reload the Defaults Table.
5. “Notification” button. Opens window with history of notifications which appear during current session.
6. Defaults Table navigation bar. It displays the total amount of items and pages and is used to navigate through the list.

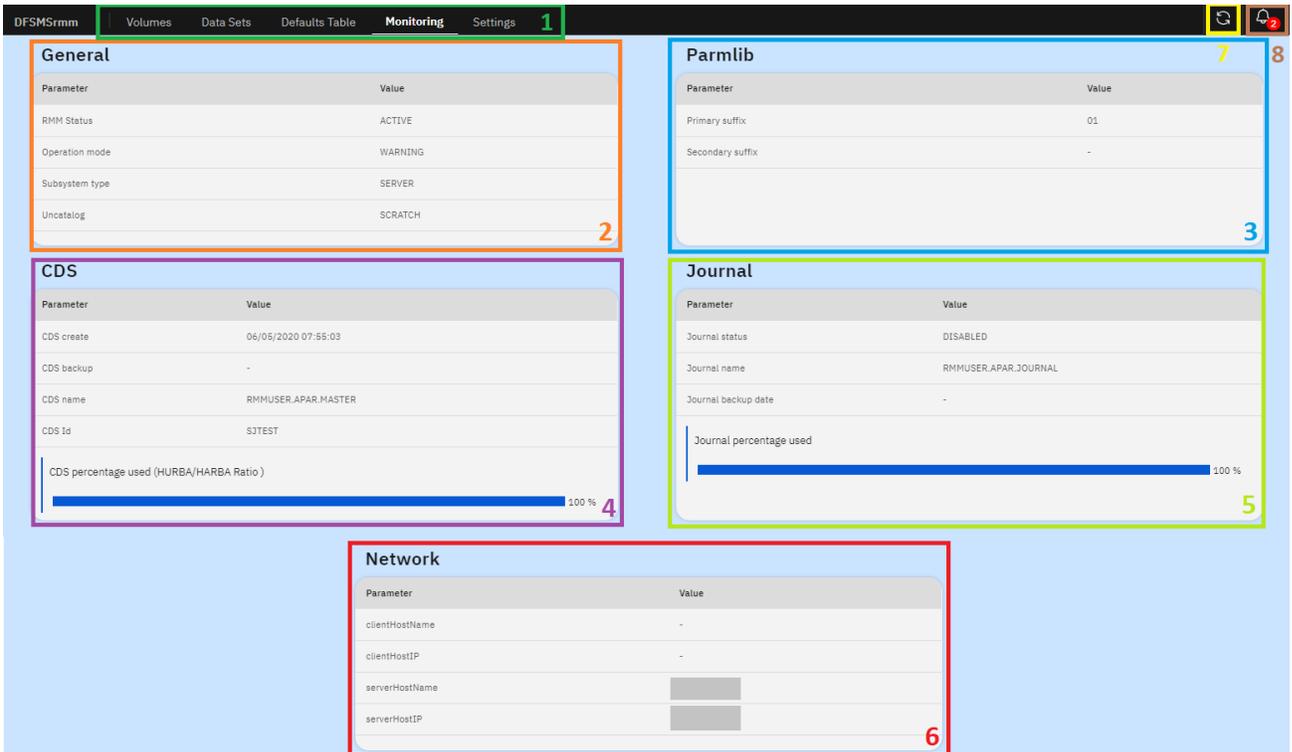
Monitoring tab

“Monitoring” tab displays current RMM status.

To use the “Monitoring” tab you need CONTROL access to the STGADMIN.EDG.MASTER resource profile when the STGADMIN.EDG.LISTCONTROL resource profile is not defined.

Or you need CONTROL access to the STGADMIN.EDG.LISTCONTROL resource profile when the STGADMIN.EDG.LISTCONTROL resource profile is defined.

The “Monitoring” tab consists of the following elements:

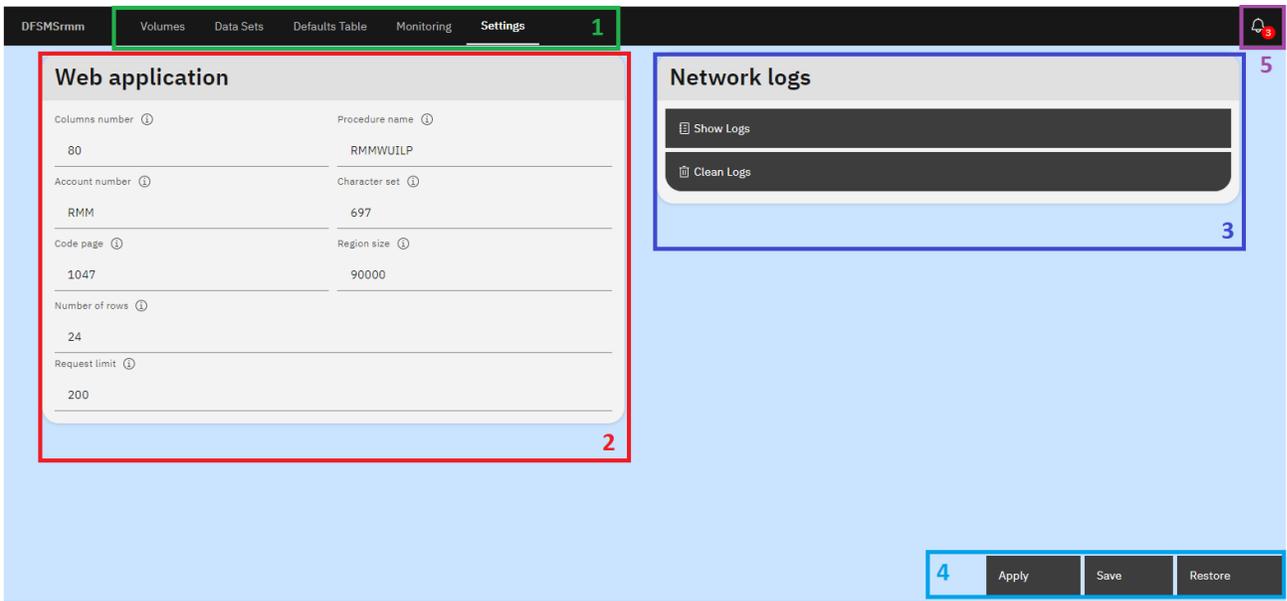


1. Top Navigation panel. Contains tabs which represents main sections of the DFSMSrmm WUI
2. General information about system.
3. Information about PARMLIB.
4. Information about the RMM Control Data Set.
5. Information about the RMM Journal.
6. Network information. Consists of the connection status if RMM is being used in a client/server setup.
7. “Refresh” button. Use to update Monitoring Information.
8. “Notification” button. Opens window with history of notifications which have appeared during the current session.

Settings tab

“Settings” tab contains connection-related and other settings of the DFSMSrmm WUI.

“Settings” tab consists of the following elements:



1. Top Navigation panel. Contains tabs which represents main sections of the DFSMSrmm WUI
2. Web Application settings. Contains parameters of the TSO/E logon procedure which is used to log onto the TSO/E address space, and the Request Limit field, which controls the maximum number of elements that may be displayed in the “Volumes” and “Data Sets” tabs
3. Network logs. Contains buttons to show logs for current user and clear logs for current user.
4. “Accept changes” buttons. Use “Apply” button to accept changes only for the current session. Use “Restore” button to restore settings that were saved previously. Use “Save” button to save changes to be applied for next sessions.
5. “Notification” button. Opens window with history of notifications which have appeared during the current session.

The DFSMSrmm WUI uses utility REXX programs to process response data from RMM TSO commands and convert it to WEB-acceptable format (JSON).

“Settings” tab has a link to the “Network Logs” tab which contains request information with non-200 response codes.

Network Logs tab

“Network Logs” tab consists of the following elements:

The screenshot shows the DFSMSrmm interface with the 'Settings' tab selected. The 'Network Logs' section is highlighted with a red border. The table below shows log entries with columns for Date, Status, Method, URL, Request body, and Response body. The table is numbered '3' and the 'Download Table' button is numbered '4'. A 'Notification' button is numbered '2'.

Date	Status	Method	URL	Request body	Response body
Thu, 29 Oct 2020 11:29:24	500	PUT	https://ezu278.tuc.stgl...	"/ REXX */\nArg sessionNumber limit command\nsysauth...	{\"rc\":4,\"reason\":3,\"details\":[\"IEC032I E37-04,IFG0554P,IBMUS...
Thu, 29 Oct 2020 11:29:23	500	PUT	https://ezu278.tuc.stgl...	"/ REXX */\nArg sessionNumber limit VolumeSer\nsysaut...	{\"rc\":4,\"reason\":3,\"details\":[\"IEC032I E37-04,IFG0554P,IBMUS...
Thu, 29 Oct 2020 11:29:21	500	PUT	https://ezu278.tuc.stgl...	"/ REXX */\nysauth.edgdate = AMERICAN\nArg sessionN...	{\"rc\":4,\"reason\":3,\"details\":[\"IEC032I E37-04,IFG0554P,IBMUS...
Thu, 29 Oct 2020 11:29:20	500	PUT	https://ezu278.tuc.stgl...	"/ REXX */\nArg sessionNumber limit DataSet VolumeSeri...	{\"rc\":4,\"reason\":3,\"details\":[\"IEC032I E37-04,IFG0554P,IBMUS...
Thu, 29 Oct 2020 11:29:18	500	PUT	https://ezu278.tuc.stgl...	"/ REXX */\nysauth.edgdate = AMERICAN\nARG session...	{\"rc\":4,\"reason\":3,\"details\":[\"IEC032I E37-04,IFG0554P,IBMUS...
Thu, 29 Oct 2020 11:29:17	500	PUT	https://ezu278.tuc.stgl...	"/ REXX */\nysauth.edgdate = AMERICAN\nARG \$session...	{\"rc\":4,\"reason\":3,\"details\":[\"IEC032I E37-04,IFG0554P,IBMUS...
Thu, 29 Oct 2020 11:29:14	500	PUT	https://ezu278.tuc.stgl...	"/ REXX */\nysauth.edgdate = AMERICAN\nArg sessionN...	{\"rc\":4,\"reason\":3,\"details\":[\"IEC032I E37-04,IFG0554P,IBMUS...
Thu, 29 Oct 2020 11:29:13	500	PUT	https://ezu278.tuc.stgl...	"/ REXX */\nArg sessionNumber limit command\nsysauth...	{\"rc\":4,\"reason\":3,\"details\":[\"IEC032I E37-04,IFG0554P,IBMUS...

1. Top Navigation panel. Contains tabs which represents main sections of the DFSMSrmm WUI
2. Network Logs list. Contains information about requests which have non-200 response codes. That information for current session also can be found in the Developer Tools' Network part.
3. “Download Table” button. Starts to download current table to PC in *.csv format.
4. “Notification” button. Opens window with history of notifications which appear during current session.

Troubleshooting

Errors when creating TSO session:

Symptom: DFSMSrmm WUI takes too long to load data into volume table and displays the following message:

“ISPWB000 Client requested ISPF session initialization”

Possible cause: Logon procedure that is defined in Settings, needs actions which DFSMSrmm WUI cannot interpret.

Corrective action: Use the sample logon procedure stored in the './TSO' directory of the DFSMSrmm WUI installation package.

Symptom: DFSMSrmm WUI does not load data from the server and displays the following message:

“Error: The procedure name "XXXXXX" has not been defined for use”

Possible cause: Current logon procedure does not exist or is not allowed for the current user

Corrective action:

- Make sure that the TSO logon procedure name is specified correctly
- Authorize the current DFSMSrmm WUI user to execute TSO logon procedure specified in the DFSMSrmm WUI settings or specify another TSO logon procedure.

Symptom: DFSMSrmm WUI does not load data from the server and displays the following message:

“IZUG1121E: The TSO/E address space could not be created because an error occurred with the logon procedure or the user settings”

Possible cause: Current user configuration may not allow create a new TSO session in addition to the existing ones.

Corrective action:

- 1) Force reconnect to the existing TSO sessions must be turned off.

Change user configuration to stop force reconnect to the existing TSO session while creating new TSO session.

- 2) Parallel TSO session limit may be exceeded

Logoff from existing TSO sessions and try to open DFSMSrmm WUI again.

You can also cancel the TSO address spaces from the System Display and Search Facility of z/OS.

A new TSO session is created on each restart of the DFSMSrmm WUI.

To avoid future issues, enable no less than 2 simultaneous TSO sessions for all users that are using DFSMSrmm WUI.

In case of other problems related to initialization of TSO sessions, you may do the next steps to investigate possible cause of the problem:

- Try to logon with zOSMF’s standard ISPF plugin using the logon procedure specified in the DFSMSrmm WUI “Settings”. Please note, that DFSMSrmm WUI logon procedure will not be able to open ISPF panels. It is not intended to do this. However, you will get a message from TSO and this will indicate that TSO address space created successfully.
- Check the Web Application settings, they need to be the same as the settings that the DFSMSrmm WUI user is using to connect to 3270 terminal.
- Try to connect to 3270 terminal with the same settings.

Errors while working with the DFSMSrmm WUI

Symptom: DFSMSrmm WUI does not load any data and shows the following warning message:

“Unable to get settings from the server for the current user. Please, set your settings and press the SAVE button.”

Possible cause: DFSMSrmm WUI couldn't find user settings on the z/OSMF server. This situation happens when the user opened DFSMSrmm WUI for the first time or never saved settings before.

Corrective action: Open Settings tab, specify required fields and press “Save”.

Note: If you change Web Application settings, you need to restart DFSMSrmm WUI to accept the changes.

Symptom: Response time is too long; data on Volumes or Data Sets tabs loads too long.

Possible cause: DFSMSrmm WUI needs a lot of time to get a large amount of data.

Corrective action: Specify smaller value in the “Request limit” field in the DFSMSrmm WUI Settings tab.

Symptom: DFSMSrmm WUI does not load any data and shows the following error message: “Can't get data from the server. Check your connection and try again.”

Possible cause: DFSMSrmm WUI has sent request but did not receive a response from the server.

Corrective action: Check your internet connection and press the “Refresh” button in the right corner above the table.

Symptom: DFSMSrmm WUI does not load any data and shows the following error message: “Can't parse response from the server”

Possible cause: The plugin received a message from the server, but could not recognize it

Corrective action:

- Press the “Refresh” button in the right corner above the table
- Reload the DFSMSrmm WUI
- Check that z/OSMF APAR PH26103 is installed. As a temporary measure, try to decrease the "Request limit" parameter in the DFSMSrmm WUI Settings.

Symptom: DFSMSrmm WUI does not load any data and shows the following error message: “Can't parse settings”

Possible cause: DFSMSrmm WUI received saved user settings from the z/OSMF server, but could not read them

Corrective action: Re-enter all settings on the Settings tab and press the ‘Save’ button and reload DFSMSrmm WUI.

Symptom: DFSMSrmm WUI does not load any data and shows error message “DFSMSRMM SUBSYSTEM IS NOT ACTIVE”

Possible cause: DFSMSrmm is not active on the server

Corrective action: Start DFSMSrmm on the server

Symptom: DFSMSrmm WUI tries to load data for a very long time and shows the following error message:

“The request has timed out.”

Possible cause: DFSMSrmm WUI can’t receive a response from the server.

Corrective action: Check your internet connection and connection to the server. Then reload the DFSMSrmm WUI.

Symptom: DFSMSrmm WUI does not load any data and shows error message “Data Sets “XXXXXX” not in catalog or catalog can not be accessed” or “Member “XXXXXX” not in Dataset “YYYYYY””.

Possible cause: DFSMSrmm WUI can’t find some REXX procedures.

Corrective action: The RMM REXX procedures for the z/OSMF plug-in are installed to the SYS1.SEDGEXE1 data set, make sure that it is accessible.

<p>Note: For other types of errors, if they cause DFSMSrmm WUI to be unstable, please reload the DFSMSrmm WUI by closing its window in the z/OSMF user interface or by refreshing the current web browser tab.</p>
