

Altair® Monarch® v2021.1.1
MONARCH SERVER
REPORT MINING EDITION - INITIATION
REQUEST

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INTRODUCTION

Monarch Server Report Mining Server (RMS) Edition can be used through an initiation request. The request is sent using the HTTP POST method. It can be generated in a client browser by sending an HTML form with the fields named according to the corresponding parameters of the initiation request.

ENTRY POINT FOR INITIATION REQUEST

The initiation request is sent to the RMS entry point. The URL of the entry point is

```
http://<host name>:<port number>/<RMS virtual directory>/TestFramework/ChoiceRequestType
```

where

- ❑ <host name> is the name of the computer where the target RMS WebServer component is installed.
- ❑ <port number> is the port number on which the RMS WebServer is listening.
- ❑ <RMS virtual directory> is the virtual directory under which the application has been installed. By default, it is RMSClient.

The request is sent using the HTTP POST method. All parameters are passed as fields of the POST request.

The URL for an [interactive view request](#) is

```
http://<host name>:<port number>/<RMS virtual directory>/TestFramework/InteractiveTestLogin
```

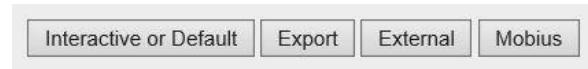
The URL for an [export view request](#) is

```
http://<host name>:<port number>/<RMS virtual directory>/TestFramework/ExportTestLogin
```

For information about the URL for an external view request, see the *Monarch Server Report Mining Edition MECM Test Framework* document.

SELECTING THE PRESENTATION TYPE

The initiation request contains instructions to determine the type of presentation provided. You can select interactive, export, or external type of presentation in Monarch Server RMS Edition.



- To open a fully interactive mining application, click the **Interactive or Default** button. This type of presentation is used for the user to select views.
- To open an export (session-less) presentation, click the **Export** button. This type of presentation is used to publish a single export of data on the basis of a predefined set of mining rules to a particular data format. The request's response will be HTML, PDF, CSV, XLS(X), PRF content, or an HTTP error.
- To open an external MECM test framework presentation, click the **External** button. This type of presentation is used for imitating a request from the McKesson portal. For more information about the external view request, see the *Monarch Server RMS MECM Interfaces Reference* document.

MONARCH SERVER REPORT MINING EDITION INTERACTIVE VIEW REQUEST

RMS recognizes the request and then queries the report, model, and template data to determine the user's available views. As a result, the page with the appropriate request parameters will be displayed.

The screenshot shows the 'Altair Monarch Report Mining Server' interface. It features a form with the following fields and controls:

- Host:** Text input field containing 'MONSERV13-5'. Below it is a checkbox labeled 'All paths are UNC'.
- Reports:** Text input field containing 'C:\inetpub\wwwroot\RMSClient\TestPage\Files\Classic.pm'.
- Models:** Text input field containing 'C:\inetpub\wwwroot\RMSClient\TestPage\Files\Lesson11.xmod'.
- Templates:** Text input field containing 'C:\inetpub\wwwroot\RMSClient\TestPage\Files\MusicESStyleTemplate-v4.xsl'.
- Models to Templates:** Text input field containing 'C:\inetpub\wwwroot\RMSClient\TestPage\Files\MusicESStyleTemplate-v4.xsl,C:\inetpub\wwwroot\RMSClient\TestPage\Files\...'.
- Dynamic Filter:** Text input field.
- Join Password:** Text input field.
- User ID:** Text input field containing 'userid'.
- User Password:** Text input field.
- Server Library Folder:** Text input field containing 'documentType'.
- Allowed Views:** Text input field containing 'HTML_REPORT,DYNAMIC,TABLE,SUMMARY,XLS_TABLE,XLS_SUMMARY,PRF,XFORM,REMOTE_PORTLETS'.
- Default View:** Text input field containing 'WELCOME'.
- Reports Encoding:** Dropdown menu set to 'Default'.
- Locale:** Dropdown menu set to 'Default'.
- Delete Reports:** Checkbox.
- Delete Models:** Checkbox.
- Delete Templates:** Checkbox.
- Admin mode:** Checkbox.
- Checksum:** Two radio buttons: 'Checksum' (selected) and 'Checksum Asymmetric'.
- Timestamp:** Text input field.

At the bottom of the form are three buttons: 'Connect', 'Connect in new Window/Tab', and 'Reset'.

The page contains the following items:

- Host** field: Enter the name of the host where the report is located. The default value is the data retrieved by the initiation request to the server. This field is mandatory.
- All paths are UNC** check box: Select this check box if the report host is not set so that the report path is equally accessible by any exporter.
- Reports** field: Enter a complete resolvable path to the source report(s) or a folder that contains reports. This field is mandatory.

The default value is the data retrieved by the initiation request to the server. The data are added automatically to the web server during installation and are located in `http://<host name>:<port number>/<RMS virtual directory>/TestPage/Files`

where

- `<host name>` is the name of the computer where the target RMS WebServer component is installed.
- `<port number>` is the port number on which the RMS WebServer is listening.

- `<RMS virtual directory>` is the virtual directory under which the application is installed (RMSClient by default).



NOTES

RMS supports the following formats for this parameter:

- Path to a single report
- List of paths to the reports. The list items should be separated with a comma (,): `<report_1_path>;<report_2_path>;...<report_n_path>`
- Path to the folder which contains reports (only `.prn`, `.pdf`, and `.xps` files will be retrieved)



- **Models** field: Enter a complete resolvable path to the source models (non-template-bound), a folder with templates, or a model definition ID. This field is mandatory.

The default value is the data retrieved by the initiation request to the server. The data are added automatically to the web server during installation and are located at `http://<host name>:<port number>/<RMS virtual directory>/TestPage/Files`

where

- `<host name>` is the name of the computer where the target RMS WebServer component is installed
- `<port number>` is the port number on which the RMS WebServer is listening
- `<RMS virtual directory>` is the virtual directory under which the application is installed (RMSClient by default)



NOTES

RMS supports the following formats for this parameter:

- Path to a single model
- List of paths to the models. The list items should be separated with a comma (,): `<model_1_path>;<model_2_path>;...<model_n_path>`
- Path to the folder which contains models
- Model Definition ID. The model object will be available to the user (if the user has the necessary access permissions).



Important: This parameter should list only table/summary models and not template-bound models.

- **Templates** field: Complete resolvable path to the source template(s) or a template definition ID. This field is mandatory.

The default value is the data retrieved by the initiation request to the server. The data are added automatically to the web server during installation and are located at `http://<host name>:<port number>/<RMS virtual directory>/TestPage/Files`

where

- `<host name>` is the name of the computer where the target RMS WebServer component is installed
- `<port number>` is the port number on which the RMS WebServer is listening
- `<RMS virtual directory>` is the virtual directory under which the application is installed (RMSClient by default)



NOTES

RMS supports the following formats for this parameter:

- Path to a single template
- List of paths to the templates. The list items should be separated with a comma (,): `<template_1_path>;< template_2_path>;... <template_n_path>`
- Path to the folder which content templates (only .xls and .xlsx files will be retrieved)
- Template Definition ID. The template object will be available to the user (if the user has the necessary access permissions).



Important: If this parameter is absent, XFORM data views will not be available.

- **Models to Templates** field: Enter the model-to-template association. Model and template definition IDs can be used as the input here instead of paths.

The default value are the data retrieved by the initiation request to the server. The data are added automatically to the web server during installation and are located at `http://<host name>:<port number>/<RMS virtual directory>/TestPage/Files`

where

- `<host name>` is the name of the computer where the target RMS WebServer component is installed
- `<port number>` is the port number on which the RMS WebServer is listening
- `<RMS virtual directory>` is the virtual directory under which the application is installed (RMSClient by default)



NOTES

The list items should be separated with a comma (,):

`<template_1_path>;<model_1_path>;<template_2_path>;<model_2_path>...`

`<template_n_path>;<model_n_path>`



Important: If this parameter is absent, XFORM data views will not be available.

- **Dynamic Filter:** Enter the initial dynamic filter for Data, Summary, and ES Style Views.



NOTES

It consists of a value pair of column name and filter value:

FILTERCOLUMN=[ColumnName];FILTERVALUE=[FilterValue];FILTEROPERATOR=[EQ,NEQ,GT,LT,GTE,LTE,CONTAINS,STARTSWITH,ENDSWITH]

The date format for the filter value is YYYYMMDD.



- Join Password** field: Enter join password for logging on to an external data source.
- User ID** field: Enter user identifier.



NOTES

This identifier is used for getting user preferences and for authentication.



- User Password** field: Enter user password.



NOTES

If a password is not provided, a new dynamic user is created in the RMS DB. This user is assigned to the user group that is specified in the web.config file of the RMS Client. If a password is provided, then the user with the USER_ID and PASSWORD should already exist and be assigned with the RMS user privilege to login to RMS Client.



- Server Library Folder** field: Enter a Server Library Folder identifier to make all the models and templates contained in the group available to the user, provided the user has the necessary access permissions.



NOTES

This identifier is also used when the user saves a model to the server. If DOCTYPE_ID is not provided, the model cannot be saved to the server. If DOCTYPE_ID is provided, then the model can be stored on the RMS and can be re-used in the following user sessions.



- Allowed Views** field: Specify data views that will be available for the user. By default, all views are listed.



NOTES

The list items should be separated with a comma (,): `<data_view_1`

>; < data_view_2>; ... < data_view_n>.

<data_view_n> is one of the following constants:

- HTML_REPORT
- DYNAMIC
- TABLE
- SUMMARY
- XLS_TABLE
- XLS_SUMMARY
- PRF
- XFORM
- REMOTE_PORTLETS

- Default View** field: Specify the name of the view to show initially. The default value is **Welcome**.



NOTES

The view name can be one of the values permitted for the **Allowed Views** parameter. If no view name is specified, **My Home page** will be displayed.

- Reports Encoding** field: Select the encoding type of incoming reports from the following:

- ANSI
- ASCII
- UTF8
- UTF16LE
- UTF16BE



NOTES

If the value is not defined, the default encoding type specified by admin will be used.

- Locale** field: Select the locale to be used in the current session. It can be one of the following:

- English
- Deutsch (German - Germany)
- Français (French – France)



NOTES

If the value is not defined, the default locale specified by the admin will be used.

- Delete Reports** check box: Select this check box to remove the source report after user session ends.
- Delete Models** check box: Select this check box to remove the source models after user session ends.
- Delete Templates** check box: Select this check box to remove the source templates after user session ends.
- Admin Mode** check box: Select this check box to allow uploading of shared models and deleting of models.
- Checksum** field: Contains the digital signature for the initiation request's parameters. The field is non-editable.
 - **Checksum button**: Click the button to generate a symmetric checksum.
 - **Checksum Asymmetric button**: Click the button to generate an asymmetric checksum.



NOTES

Checksum type is defined by the administrator.

- Timestamp** field: Contains the timestamp of the request. The field is non-editable.



NOTES

Timestamp is represented as a number of milliseconds elapsed since Jan 01, 1970 (Java-style date/time representation).

- Connect** button: Click the button to proceed to the application.
- Connect in a New Window/Tab** button: Click the button to open the application in a new window/tab.
- Reset** button: Click the button to clear insertions.

MONARCH SERVER REPORT MINING EDITION EXPORT VIEW REQUEST

RMS recognizes the request and then queries the report, model, and template data. As a result, the page with the appropriate request parameters will be displayed.

The screenshot shows the 'Altair Monarch Report Mining Server' configuration page. The fields are as follows:

- Host:** MONSERV13-5
- All paths are UNC
- Reports:** C:\inetpub\wwwroot\RMSClient\TestPage\Files\Classic.pm
- Models:** C:\inetpub\wwwroot\RMSClient\TestPage\Files\Lesson11.xmod
- Templates:** C:\inetpub\wwwroot\RMSClient\TestPage\Files\MusicESStyleTemplate-v4.xsl
- Models to Templates:** C:\inetpub\wwwroot\RMSClient\TestPage\Files\MusicESStyleTemplate-v4.xsl; C:\inetpub\wwwroot\RMSClient\TestPage\Files\
- Dynamic Filter:** (empty)
- Join Password:** (empty)
- User ID:** userid
- User Password:** (empty)
- Default View:** HTML_REPORT
- Reports Encoding:** Default
- Locale:** Default
- Delete Reports:
- Delete Models:
- Delete Templates:
- Export to:** HTML
- Checksum:** Checksum | Checksum Asymmetric
- Timestamp:** (empty)

Buttons at the bottom: Connect, Connect in new Window/Tab, Reset

The page contains the following items:

- Host** field: Enter the name of the host where the report is located. The default value is the data retrieved by the initiation request to the server. This field is mandatory.
- All paths are UNC** check box: Select this check box if the report host is not set so that the report path is equally accessible by any exporter.
- Reports** field: Enter a complete resolvable path to the source report. This field is mandatory.

The default value is the data retrieved by the initiation request to the server. The data are added automatically to the web server during installation and are located at `http://<host name>:<port number>/<RMS virtual directory>/TestPage/Files`


where

- `<host name>` is the name of the computer where the target RMS WebServer component is installed
- `<port number>` is the port number on which the RMS WebServer is listening
- `<RMS virtual directory>` is the virtual directory under which the application is installed (RMSClient by default)



NOTES

Only one report can be published at a time.

- 
- ❑ **Models** field: Enter a complete resolvable path to the source model (non-template-bound) or a model definition ID. This field is mandatory.

The default value is the data retrieved by the initiation request to the server. The data are added automatically to the web server during installation and are located at `http://<host name>:<port number>/<RMS virtual directory>/TestPage/Files`


where

- `<host name>` is the name of the computer where the target RMS WebServer component is installed
- `<port number>` is the port number on which the RMS WebServer is listening
- `<RMS virtual directory>` is the virtual directory under which the application is installed (RMSCient by default)



NOTES

Only one model can be used at a time.



Important: This parameter should only list table/summary models; template-bound models will not be resolved.

- ❑ **Templates** field: Complete resolvable path to the source template or a template definition ID. This field is mandatory.

The default value is the data retrieved by the initiation request to the server. The data are added automatically to the web server during installation and are located at `http://<host name>:<port number>/<RMS virtual directory>/TestPage/Files`


where

- `<host name>` is the name of the computer where the target RMS WebServer component is installed
- `<port number>` is the port number on which the RMS WebServer is listening.
- `<RMS virtual directory>` is the virtual directory under which the application is installed (RMSCient by default)



NOTES

Only one template can be used at a time.



- ❑ **Models to Templates** field: Enter the model-to-template association. Object definition IDs can be used alongside object paths.

The default value is the data retrieved by the initiation request to the server. The data are added automatically to the web server during installation and are located at `http://<host name>:<port number>/<RMS virtual directory>/TestPage/Files`

where

- `<host name>` is the name of the computer where the target RMS WebServer component is installed
- `<port number>` is the port number on which the RMS WebServer is listening

- `<RMS virtual directory>` is the virtual directory under which the application is installed (RMSClient by default)



NOTES

Only one template-to-model can be used at a time. The items of this parameter should be separated with a comma (,) and have the following format:

```
<template_1_path>;<model_1_path>
```

- **Dynamic Filter** field: Enter the initial dynamic filter for Data, Summary, and ES Style Views.



NOTES

It consists of a value pair of column name and filter value:

```
FILTERCOLUMN=[ColumnName];FILTERVALUE=[FilterValue];FILTEROPERATOR=[EQ,NEQ,GT,LT,GTE,LTE,CONTAINS,STARTSWITH,ENDSWITH]
```

The date format for the filter value is YYYYMMDD.

- **Join Password** field: Enter join password for logging on to an external data source.
- **User ID** field: Enter user identifier.



NOTES

This identifier is used for getting user preferences and for authentication.

- **User Password** field: Enter user password.



NOTES

If a password is not provided, a new dynamic user is created in the RMS DB. This user is assigned to the user group that is specified in the web.config file of the RMS Client. If a password is provided, then the user with the USER_ID and PASSWORD should already exist and be assigned with the RMS user privilege to login to RMS Client.

- **Default View** field: Specify the name of the view for report display from the following:
 - HTML_REPORT
 - TABLE
 - SUMMARY

- XLS_TABLE
- XLS_SUMMARY
- PRF
- XFORM



NOTES

If the value is not defined, the default encoding type specified by the admin will be used.

Reports Encoding field: Select the encoding type of incoming reports from the following:

- ANSI
- ASCII
- UTF8
- UTF16LE
- UTF16BE



NOTES

If the value is not defined, the default encoding type specified by the admin will be used.

Locale field: Select the locale to be used in the current session. It can be one of the following:

- English
- Deutsch (German - Germany)
- Français (French – France)



NOTES

If the value is not defined, the default locale specified by the admin will be used.

Delete Reports check box: Select this check box to remove the source report after user session ends.

Delete Models check box: Select this check box to remove the source models after user session ends.

Delete Templates check box: Select this check box to remove the source templates after user session ends.

Export to field: Select export format from the following:

- HTML
- PDF

- CSV
- XLS
- PRF



NOTES

Different export formats are available depending on the selected **Default View** for report display.

- ❑ **Checksum** field: Contains the digital signature for the initiation request's parameters. The field is non-editable.
 - **Checksum button**: Click the button to generate a symmetric checksum.
 - **Checksum Asymmetric button**: Click the button to generate an asymmetric checksum.



NOTES

The checksum type (symmetric/asymmetric) is defined by the administrator.

- ❑ **Timestamp** field: Contains the timestamp of the request. The field is non-editable.



NOTES

Timestamp is represented as the number of milliseconds that has elapsed since Jan 01, 1970 (Java-style date/time representation).

- ❑ **Connect** button: Click the button to open a report.
- ❑ **Connect in a New Window/Tab** button: Click the button to open a report in a new tab.
- ❑ **Reset** button: Click the button to clear insertions.

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