

Altair® Monarch® v2020.0
MONARCH SERVER
CONTENT DYNAMIC LOGIN API GUIDE

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INTRODUCTION

Monarch Server (MS hereafter) provides the API for external applications based on the HTTP protocol.

API ENTRY POINT

Access to the MS HTTP API is performed through an entry point.

The format of the request URL is

```
http://<host>:<port>/MSClient/api
```

Here, <host> is the name of the computer where MS is running, and <port> is the port number on which MS is listening.

The request can be sent using either an HTTP GET or an HTTP POST method (unless specified otherwise). The target area can be either the top window or a new browser window.

Parameter values that contain URL-prohibited symbols must be encoded as required by the URL specification.



NOTES

In Monarch Server v2020.0 that is upgraded from previous versions (e.g., v13.2), the virtual folders could still be labeled as "DSClient" (or "DSAdmin"). In this case, use "DSClient" (or "DSAdmin") instead of "MSClient" (or "MSAdmin") to open the Client (or Admin) page.



RESPONSE TYPE AND ERROR HANDLING

The response to a request can be one of the following depending on the success condition:

- ❑ Request succeeded. The response has the corresponding HTTP redirect.
- ❑ Request failed.

Depending on the operation nature and status, the response can be one of the following:

- ❑ The standard MS error page describing the nature of the error (for HTML-based views)
- ❑ HTTP error code with an optional message
- ❑ XML error description (non-HTML views)

In case of an XML error description, the response type is text/xml. The format of an XML error message is

```
<Error>
  <Message> [Message] </Message>
  <ExceptionMessage> [ExceptionMessage] </ExceptionMessage>
  <ExceptionType> [ExceptionType] </ExceptionType>
  <StackTrace> [StackTrace] </StackTrace>
</Error>
```

The client application can check the root node's name if text/xml content is returned to determine whether an error occurred.

DYNAMIC LOGIN METHOD

Use the following method to login to MS Client with Dynamic User.

POST METHOD

The POST method entry point is

`api/dynamicLogin`

Request Information

URI Parameters: none.

Body parameters:

NAME	DESCRIPTION	TYPE	ADDITIONAL INFORMATION
UserName	Name of Dynamic User.	String	Required max length: 60
UserFullName	Full Name of Dynamic User.	String	Optional max length: 60
GroupNames	The names of the Groups of which the User will be a member. Refer to Specifying User Group for Dynamic Login section to get information about specifying user groups. For multiple groups, use a comma as a delimiter (,).	Collection of string	Required
RedirectPage	Page that redirects the User after login. Main Page, Document Search, or Report Search.	RedirectType (see below)	Required
DocumentTypeId	Document Type ID, which is set on the Search Form by default.	Integer	Optional
DateFrom	The lower boundary limit by date, which is set on the Search Form by default.	Date	Optional data type: DateTime
DateTo	The upper boundary limit by date, which is set on the Search Form by default.	Date	Optional data type: DateTime
IsLatest	Default value of Is Latest option on the Search form.	Boolean	Optional
SecurityKeywords	Security keywords	Collection of	Optional

NAME	DESCRIPTION	TYPE	ADDITIONAL INFORMATION
		SecurityKeywordItem (see below)	

RedirectType

NAME	VALUE	DESCRIPTION
Main	0	Main Page
DocumentSearch	1	Document Search Page
ReportSearch	2	Report Search Page

SecurityKeywordItem

NAME	DESCRIPTION	TYPE	ADDITIONAL INFORMATION
Name	Security Keyword Name	string	None
Value	Security Keyword Value	string	None

Request format sample (application/json, text/json)

```
{
  "UserName": "sample string 1",
  "UserFullName": "sample string 2",
  "GroupNames": [
    "sample string 1",
    "sample string 2"
  ],
  "RedirectPage": 0,
  "DocumentTypeId": 1,
  "DateFrom": "2015-10-09T12:26:32.1385658Z",
  "DateTo": "2015-10-09T12:26:32.1385658Z",
  "IsLatest": true,
  "SecurityKeywords": [
    {
      "Name": "sample string 1",
      "Value": "sample string 2"
    },
    {
      "Name": "sample string 1",
      "Value": "sample string 2"
    }
  ]
}
```

Response Information

The response is: Redirect to Monarch Server Client.

SPECIFYING USER GROUPS FOR DYNAMIC LOGIN

When logging in to MS Client via Dynamic Login API, the user should enter the name of the user group (or multiple user groups) in the MS that he/she is entitled to log in to. Once the user is logged in, all rights of this user group are assigned to this user.

Server Administrator should create a user group in the MS Admin application and add the newly created group to the list of user groups that the dynamic users are entitled to log in to.

To specify a user group for dynamic login

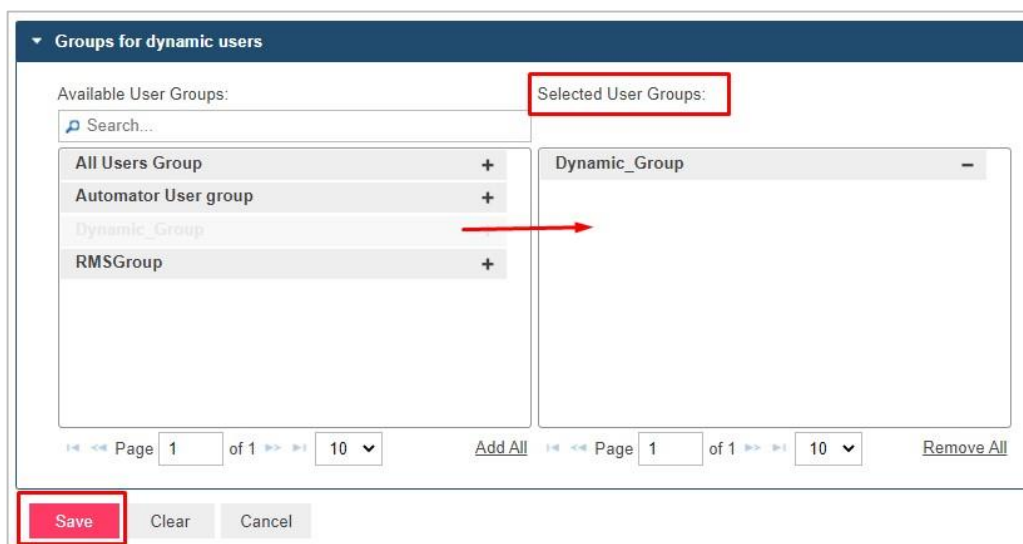
1. In the **Web.config** file of Admin application, change the value of the **ShowDynamicUserSettings** parameter from “false” to “true” to enable the Dynamic Login Setting page.

The path to the **Web.config** file is C:\inetpub\wwwroot\MSAdmin\Web.config.

The **ShowDynamicUserSettings** parameter is located in the <appSettings> section:

```
<appSettings>
  <add key="ShowDynamicUserSettings" value="true"/>
  ...
</appSettings>
```

2. Login to the Admin application, create a user group (e.g., Dynamic_Group), add some rights, and assign any document types to them.
3. Open **System Settings > System Preferences > Dynamic Login Settings**, expand the **Groups** for dynamic users section, and assign the newly created user group to the **Selected User Groups** list.



4. Click the **Save** button.

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