



Motor Pool Portal Setup Guide

Version 24.x
Last Modified 24.0 | March 2024

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Technical Support

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Customer Support is available Monday through Friday, 7:00 a.m. to 7:00 p.m., Eastern Time.

Telephone: 1-610-225-8300

Email: M5Support@AssetWorks.com

Website: Community.AssetWorks.com

The support website can be used to open issues, subscribe to user groups, and download documentation, as well as to access the latest AssetWorks news. For secure access to the website, contact Customer Support by calling the number above.

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Overview

The Motor Pool Portal system is constructed using Screen Designer technology. It can be licensed with or without the separate Screen Designer product. This document describes the process of setting up either a new design or the standard design delivered Motor Pool Portal frames.

1. Security

The best way to understand the security and setup required for outside access is using an example. Let us assume we have a four-page Motor Pool portal with a logon page.

Assume the Screen Designer pages are named as follows:

- AWMP-MAIN – Page 1
- AWMP-CURRES – Page 2
- AWMP-NEWRES or AWMP-NEWRES-CAL– Page 3
- AWMP-PROFILE – Page 4
- AWMP-LOGON – The logon page

External access requires the creation of an outside user. This is an application user exactly like a normal M5 user except it has a role that is designated as an outside user. The end user never needs to know the password to this account, but it becomes a surrogate user while they run the portal pages. This role must therefore have a menu that controls what pages this outside user can access.

In our example this user needs to run the logon page and all the motor pool portal pages. The delivery process has inserted all the frames into your system. The only page that needs to be added to the Outside Access Menu is the one with the name “Motor Pool Portal”. The other pages in the portal are automatically authorized with this main page. A new menu should be created for this portal, so we do not give the outside user more access than they need to accomplish the task.

We must then create a new role that has access to only this new menu. Depending on the Motor Pool functionality you want, other authorizations may need to be set on this role. This role must be marked as an “Outside User”.

Then an M5 Application User is created that has this role. The account needs a password, but no one needs to know it. It should be a complex password to prevent the account from being used as a normal M5 account.

The final step is to create the shortcut record. The shortcut record is created using the “Outside Access Shortcut Definition” frame. This record is the entry point for the portal. It names the target page, user authentication type and specifies the surrogate application user created for this portal.

2. Menu Maintenance

The main Motor Pool Portal frame (AWMP-MAIN) will need to be added to the outside users menu.

Menu Maintenance

✕ (4 matches)

	Authorization Group	Security Level Read / Update / Full	Security Template	Reauthenticate on save
ROOT				
Outside MP User	<input checked="" type="checkbox"/>			
Motorpool Portal		<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>		<input type="checkbox"/>

3. Role Maintenance

A role needs to be created for the Outside User. It must have the Outside User checkbox selected on the General tab.

Role Maintenance

Role Information

Role:

Description:

MPOUT

Outside MP user

+

General

Locations/
Oper Entities

Menus/
KPI

Privileges

Reporting

Application
Users

Departments/
Chat Groups

Vendor
Gateway

Indirect
Accounts

General Information

Notes

Restricted Home Page:

Outside User:

Two Factor Authentication:

☒

☐

Database User Id:

CSI

CSI name over twenty chars

On the Menus/KPI tab, confirm the outside user has the correct menu.

Role Maintenance

Role Information

Role: Description:

+ General Locations/Oper Entities **Menus/KPI** Privileges Reporting Application Users Departments/Chat Groups Vendor Gateway Indirect Accounts

Menu Access

<input checked="" type="checkbox"/> <input type="checkbox"/> Unauthorized Menus	<input checked="" type="checkbox"/> <input type="checkbox"/> Authorized Menus
Accident	Outside MP User
Accident	
AD HOC Reporting	
Ad Hoc Reports	
Adam Menu	
Adhoc	
Appointments Menu	
Asset Management	
Brian	
BRMenu	

The role must have access to the motor pool locations.

Role Maintenance

Role Information
Role: MPOUT Description: Outside MP user

+

General

Locations/
Oper Entities

Menus/
KPI

Privileges

Reporting

Application
Users

Departments/
Chat Groups

Vendor
Gateway

Indirect
Accounts

Location Maintenance

☒ ☐ Unauthorized Location Groups

☒ ☐ Authorized Location Groups

LYNN
MC LOCATIONS
MICHELS
ML031419
ML073119
MLLOGROUP
NEW
NICK
NORMM
NORTH

>>
<<

MOTORPOOL

The role must also have some specific motor pool privileges.

Role Maintenance

Role Information

Role: MPOUT

Description: Outside MP user

+

General

Locations/
Oper Entities

Menus/
KPI

Privileges

Reporting

Application
Users

Departments/
Chat Groups

Vendor
Gateway

Indirect
Accounts

Privilege Maintenance

☒ ☐ Unauthorized Privileges

MORE THAN 1 OPEN WO

MP-MANAGER

MP-RESV-APPROVAL

MP ADJUSTMENT

MYVEH-SHOW ALL VEH

NATIONAL PARTS

NEW NON-STOCK PART

NEW NSTKPRT LOC

NEW PART XREF

NEW STKPRT LOC

☒ ☐ Authorized Privileges

MP-RESV-ENTRY

>>

<<

4. Application User

Even though the outside user will not login into M5 directly with an application user ID and password, one must be created to service the request on the users behalf.

Application User Maintenance

Application User Information

Application User:
MPOUT

Disabled:
No

☒ Allow Web Access:

Password:

Password Expire (days):

User can change password:
☒
Force password change next login:
☐

☐ Allow Mobile Access:

Adhoc Access:
None

Adhoc Starting Folder:

Account Expiration Date:

User Role: User Based Dashboard:
MPOUT

Idle Timeout Minutes:

Pooled:
☒

Crystal Enterprise Output Path:

Stylesheet Directory:

HomePage:

Logon Failures:

Last Logon:
01/13/2011 16:55:00

Starting PMM Location Hierarchy:

Application User Identity

Name:
MP Outside

Unique ID:
MPOUT

Employee No:

Name:

5. Outside Access Shortcut Definition

This frame determines how the outside user will access M5 as an Authorization screen or an Id Query frame. The Target URL frame needs to be added to the Menu.

Outside Access (Record 2 of 8)				
Shortcut	Target URL	Id Query String	Authorization Screen	Surrogate User App
AWMP	/PRESENTATION/SCREENDSIGNER/PROCESS.ASPX?INFO=AWMP-MAIN		AWMP-LOGON	MP0UT

1. Shortcut - Enter a shortcut name for the Motor Pool Portal Logon frame that was created. This will be used as a parameter in the URL.
2. Target URL – Enter the path of the URL that will be used in the logon process.
3. Id Query String – This can only be a custom query string for an employee number (for example, myEmpNo)
 - a. When in use the Authorization Screen value must be blank.
 - b. This will bypass login security using the employee number to login.
 - c. Only use this feature when on an intranet.
 - d. The custom URL to launch the shortcut needs to add &myEmpNo={validEmpNo}.
4. Authorization Screen – Enter the name of the logon frame that was created.
5. Surrogate User app – Enter the app user created in the Application User frame.

6. Message Editor

The default main page has a message viewer control on it. This control can be used to display company news or instructions. The maintenance of this information is done with another standard delivered page called the “Motorpool message editor”. This page has to be added to the menu of the standard M5 user that will be responsible for editing its content.

This page will allow the user to create the news or instructions with a control that provides many similar concepts to Microsoft word. It saves the information in an HTML format without the user needing to understand HTML.

7. Launching the Portal

The URL required for an end user to launch the portal is fairly complex so it is common practice to create a launch page to simplify the process.

Copy the following text into a text file located in the m5web_source folder on all your M5 web servers.

```
<%@ LANGUAGE="JavaScript" EnableSessionState=False %>
<%
    // Shortcut page for the standard assetworks motor pool portal.
    // The m5site querystring must be customized for the installation.
    // This can be used as the basis for other pages exposed to non-m5
users.
    var targUrl =
"presentation/common/OutsideLogon.aspx?m5site=m5test&shortcut=awmp";
    var additionalQS = Request.QueryString;
    if (additionalQS != "")
        targUrl += "&" + additionalQS;
    Response.Redirect(targUrl);
%>
```

The m5site and shortcut parameters must be customized for your environment. The shortcut for the standard delivered portal is AWMP.

If using Id Query String add the custom query string to the targUrl after the &shortcut (for example, &myEmpNo={validEmpNo}).

The file must be placed in the m5web_source folder so it is not lost the next time the site is compiled. However, the file is a plain asp page and does not itself get compiled so it can also be placed directly in the m5web folder.

If you have a multiple company database you will need a different shortcut file and shortcut definition for each company.

Example: <https://yourServer/m5web/m5mp.asp>

8. Single Sign-on Considerations

If the site that will host the portal supports single sign for normal M5 users some addition setup will be required.

An M5 site that supports single sign on does not allow anonymous access but the portal requires it. This will require that the portal requests come in to a different virtual directory or application.

Windows Server 2019:

1. Sign onto the web server and launch the Internet Information Services (IIS) Manager.
2. Expand the sites until you see "Default Web Site."
3. Right-click on "Default Web Site" and pick New / virtual Directory.
4. Select Next.
5. Enter the alias M5mp.
6. Enter the path to the M5 site. Normally c:\M5\M5web.
7. Select OK.
8. Right-click on the Virtual directory just created and pick "convert to application."
9. Click the select next to the Application pool and select "M5AppServices."
10. Setup Pass-through authentication. Select "Connect as" and enter the id and password to access the m5site. (Normally M5IIS).
11. Select OK.
12. From "Features View" click "Authentication". Select "Anonymous Authentication" and select the "Enable" action.
13. Select OK.

Setup M5 Web.config file:

The M5MP.asp file must be modified to use the new m5site just created.

The new site must be added to the SOURCE field in the M5_INIT database table. For example, if your application server is called V303M5Prod add ";V303M5Prod/m5mp" to the end of the current SOURCE value.

Edit the web.config file in the M5Web site. Locate the current production entries and then duplicate them. Change the copied version to the new site value.

Oracle / Old web.config parameters:

```
<!-- ***** m5dev SETTINGS ***** -->
<add key="m5dev_project" value="/m5web" />
<add key="m5dev_SessionStateQryStr"
value="Provider=OraOLEDB.Oracle;Data Source=m5devDB;USER
ID=mfiveSessionMgr;Password=getsession;" />
<add key="m5dev_lockdown" value="N" />
```

Oracle/After Modification:

```
<!-- ***** m5mp SETTINGS ***** -->
<add key="m5mp_project" value="/m5web" />
<add key="m5mp_SessionStateQryStr" value="Provider=OraOLEDB.Oracle;Data
Source=m5devDB;USER ID=mfiveSessionMgr;Password=getsession;" />
<add key="m5mp_lockdown" value="N" />
```

SqlServer / Old web.config parameters:

```
<!-- ***** m5dev SETTINGS ***** -->
<add key="m5dev_project" value="/m5web" />
<add key="m5dev_SessionStateQryStr" value="
Provider=MSOLEDBSQL;UID=mfivesessionmgr;pwd=getsession;server=m5devDB\M5ProdD
B;initial catalog=m5dv;MultipleActiveResultSets=True" />
<add key="m5dev_lockdown" value="N" />
```

SqlServer / After Modification:

```
<!-- ***** m5mp SETTINGS ***** -->
<add key="m5mp_project" value="/m5web" />
<add key="m5mp_SessionStateQryStr" value="
Provider=MSOLEDBSQL;UID=mfivesessionmgr;pwd=getsession;server=m5devDB\M5ProdD
B;initial catalog=m5dv;MultipleActiveResultSets=True " />
<add key="m5mp_lockdown" value="N" />
```


Updates

Release	Section	Description
23.2	All sections	Applied miscellaneous writing style updates throughout the document.