

Maintenance Connection Mobile Installation Process



Maintenance Connection Canada

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Revision 2

INSTALLATION GUIDE FOR MOBILE WEB SERVICE & DEVICE

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Before Installing

Before installing any of the mobile products you need to make sure you have all the necessary files to install with. The required files are:

Mobile Web Service

- Current Mobile Web Service Install zip “MCM_WebService (v???)”.zip”
[http://files.maintenanceconnection.ca/mobile/MCM%20WebService%20\(v2.4.1\).zip](http://files.maintenanceconnection.ca/mobile/MCM%20WebService%20(v2.4.1).zip)
- A mobile license file. Must be requested per customer.
- Requires Microsoft .NET Framework 2.0
(<http://www.microsoft.com/downloads/details.aspx?FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5&displaylang=en>)
- Also requires IIS to be installed.

PPC Work Orders

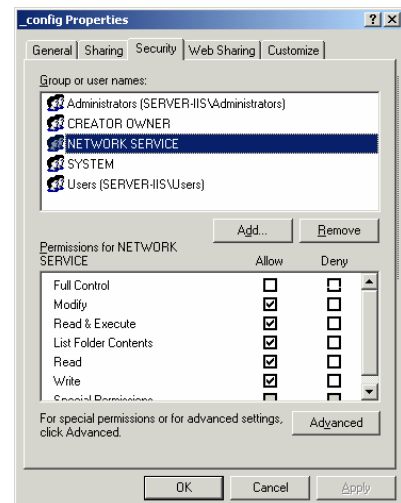
- Current Mobile Work Orders Install CAB “MCM_WO (v???)”.CAB”
http://files.maintenanceconnection.ca/mobile/MCM_WO_v21.CAB
- Requires Microsoft Compact Framework .NET 1.0
<http://files.maintenanceconnection.ca/mobile/NETCFv1.WCE.ARMV4.CAB>
- Also requires a PPC (OS 2003 and up)

PPC Inventory

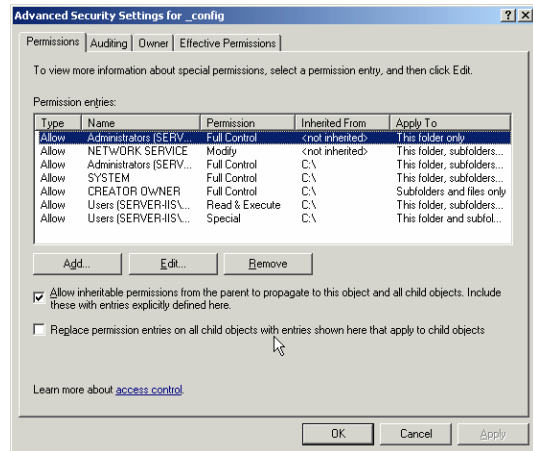
- MCMobile Inventory Install CAB “MCM_Inventory (v????).CAB”
- Requires Microsoft Compact Framework .NET 2.0
- Requires Microsoft SQL Server Mobile 2005
- Also requires a PPC (OS 2003SE and up)

Installation of Mobile Web Service

1. Unzip the mobile web service into a directory located under the main Maintenance Connection installation. The typical directory name is: “c:\Maintenance Connection\mcm_webservice\”.
2. Create a virtual directory in IIS and point it to the installation directory of the web service. The typical name of the virtual directory is: “MCM_WebService”.
3. Change the Windows security settings to allow the web service to modify the “_config” directory in the installation folder.
 - a. Open Sharing & Security for the _config folder.
 - b. Add the “ASPNET” user (Windows 2000/XP) or “NETWORK SERVICE” (Windows 2003+)
 - c. Ensure the new user has Read, Write & Modify permissions.
 - d. Select Advanced.



- e. Check "Replace permission entries"
 - f. Select OK
 - g. Select OK
4. Open the web.config file in a text editor.
 5. Scroll to the <connectionStrings> section in the config file.
 6. Change the "-RegistrationDatabase" setting to point to the Maintenance Connection registration database.
 - a. A typical connection string is made up of 4 parts



- i. Data Source. The name of the database server.
- ii. Initial Catalog. The name of the database.
- iii. User ID. The name of the SQL User
- iv. Password. The password for the SQL user.

- b. The default connection string contains the typically required elements and usually must only be modified for the Data Source.
7. Change the "-IndirectConnection" setting to be able to login to the customer database(s).

```
<connectionStrings>
<!-- This is one of three special fixed entry connection strings. The "-IndirectConnection" are used when an indirect database is requested. When a direct connection is requested the name of the database is part of the server key (ex. serverkey="DIRECTsample", indirectkey="sample").

A direct connection is used when an indirect connection is requested. This is used for server setup such as non-default SQL server ports.
-->
<add name="-RegistrationDatabase" connectionString="Data Source={database};Initial Catalog={servername}" providerName="System.Data.SqlClient" />
<!-- The "-IndirectConnection" connection string is a special connection string that contains keywords in the string that will be replaced dynamically when an indirect connection is requested. When an indirect connection is requested the word "DIRECT" is replaced with "INDIRECT" and the server key is used to pull the server name and database.

The keywords that get replaced dynamically are:
1) {database} - the name of the database (as loaded from the registration database)
2) {servername} - the name of the database server (as loaded from the registration database)
-->
<add name="-IndirectConnection" connectionString="Data Source={serverkey};" providerName="System.Data.SqlClient" />
<!-- This is a sample of a direct connection. This is used for testing purposes.
-->
<add name="sample" connectionString="Data source=(local);Initial Catalog=sample;" providerName="System.Data.SqlClient" />
</connectionStrings>
```

- a. Indirect connection attempts auto replace the Data Source and Initial Catalog with values taken from the registration database. Make sure the "dbserver_name" field in the container_resource table in the registration database is pointing to the correct database server.
 - b. If the user ID & password that are used is not the Maintenance Connection default it is usually the only item that will require changing.
8. Change the <statusCodes> section to enable/disable status codes that the customer wants showing up on the Pocket PC.
 - a. This section is defaulted to very broad settings. Make sure the customer wants PPC users to be able to perform the status code changes that are preset.
 - b. Allowing too many status codes can cause issues for customers if they wish to follow special steps after a laborer has completed work tasks and before closing the work order.

Testing the Mobile Web Service

1. Use Internet Explorer to go to the mobile web service. Usually http://localhost/MCM_Webservice/
2. Select "Go To Testing"
3. Run each test in turn. If a test fails correct the problem and then rerun the test.
4. Hit back on the browser.
5. Select "Go To Licensing"

6. In step 1, select the license file that has been provided.
7. Upload the license file.
 - a. The upload will produce an activation key in the response window. Select the key without the quotes and copy it.
8. Paste the activation key into Step 2a
9. Submit the activation code to activate the license on the system.

Installation of PPC Work Orders

To Be Added

Installation of PPC Inventory

To Be Added