

MCL Technologies

# Release Notes

## *MCL-Net 4.6*

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## ***MCL-Net 4.6 Update Packages***

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### **1. Package Details**

<b>Package #</b>	<b><i>MCL-Net</i></b>	<b><i>MCL-NetDB</i></b>	<b><i>MCL-Net Agent</i></b>	<b>Release Date</b>
<a href="#">P02</a>	4.6.1.30550	4.6.1.30760	4.5.2.21846	22/09/2023
<a href="#">P01</a>	4.6.0.30210	4.6.0.30209	-	30/06/2023



## ***MCL-Net 4.6. Update Package (P02)***

### ***2.1 MCL-Net 4.6.1.30550 Update***

#### **2.1.1 Enhancements**

- *Net Agent Service*: The name for this service has been changed to “MCL-Net Agent Service” so it complies with *MCL* naming conventions.
- *System*: It is, now, possible to configure the maximum header size in transactions between the device and the *MCL-Net* server.

#### **2.1.2 Bug Fixes**

- *Installation/Activation*: Fixed issues occurring in *MCL-Net* activation:
  - The activation wizard is no longer launched when a license file is detected.
  - The license file is, now, cleaned when there is an *MCL-Net* uninstall.
- *Installation/Activation*: Fixed issues that prevented *MCL-Net's* upgrade from behaving as expected:
  - If the upgraded *MCL-Net* version is installed without the uninstall of the previous version, the INI file of the previous version is kept and the template is copied for reference.
  - If an uninstall is performed before the upgrade or the INI file is not detected, the template is copied and will be used as an INI file.
- *Installation/Activation*: Fixed an issue occurring in the *MCL-Net* installation wizard that prevented the user from unselecting non-required elements from a “Full” type of installation.
- *Installation/Activation*: Fixed random crash that could occur when installing/activating an *MCL-Net 4.5* version.
- *System*: Fixed an issue that affected the performance of the “Free SQL Statement” process (“Remote Database” processes group).
- Other Minor Bug Fixes.

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## 2.2 *MCL-NetDB 4.6.1.30760* Update

### 2.2.1 Bug Fixes

- *Database Service*: Fixed issue that affected the use of the "Store Number of Record(s) in Variable" option in the "Remote Database" group's processes – it would return the wrong value.
- *Database Service*: Fixed issue affecting the precision of the formatting of "numeric" and/or "decimal" values. **Ex:** A "decimal" value would be formatted as a real value.
- *Database Service*: Fixed issue that caused the wrong values to be placed in the target variables when parsing SQL parameters.

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## 3. *MCL-Net 4.6. Update Package (P01)*

### 3.1 *MCL-Net 4.6.0.30210 Update*

#### 3.1.1 Enhancements

- System: Improved Error Handling of invalid requests. As a result, *MCL-Net's* reliability is, now, higher.
- System: Now, all *MCL-Net* and *MCL-NetDB* logs are in UTF-8 format.
- Other Minor Enhancements.

#### 3.1.2 Bug Fixes

- Activation: Fixed issue that prevented the automatic deletion of invalid MCFG files.
- *File Service*: Fixed issue that would cause a crash when the *File* service handled files with non-ASCII file names.
- *File Service*: Fixed an issue that caused an "HTTP Error 400" error while using the "Send File to Host", "Append File to Host" or "Write Data Into Host" processes when the intermediate proxy was not HTTP1.1 compliant.
- *File Service*: Fixed an issue that could cause a potential crash when there was an error writing in the Output Log File.
- System: Fixed a vulnerability that under certain conditions could provide access to files and folders outside the *MCL-Net* service folder (CVE-2023-4990).
- System: Fixed an issue that could stop the *Queue* service from responding when handling multiple incoming messages simultaneously.
- System: Fixed Memory Leaks.
- System: Fixed issue that caused a wrong source address to be logged as a "connection CLOSED" entry in the *MCL-Net* log file.
- System: Fixed an issue that prevented the correct handling of a network interface while shutting down.
- System: Fixed an issue that caused *MCL-Net* to shut down in high load *Agent* traffic situations.
- System: Fixed an issue that generated duplicate information in the log (DEBUG log level or higher).

#### 3.1.3 Notes

- HTTPS is not supported.

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## 3.2 *MCL-NetDB 4.6.0.30209* Update

### 3.2.1 Enhancements

- *Database Service*: Added support for "Day of Year" date format.
- *Database Service*: Now, when using SQL, it is possible to declare an empty response range. As a result, this increases the performance when executing SQL queries that do not require a resultset.
- *Database Service*: Now, it is possible to disable the Connection Pooling mechanism via the "ResourcePooling" flag of the "OLE DB Services". If this is not set, the *Database Service* will not maintain any connections to the Database OLE DB Provider.
- *Database Service*: Added support for the Oracle CLOB data type as a bind parameter for the "Oracle Provider for OLE DB" provider.
- *Database Service*: New bind parameter data types have been added in order to allow more ADO data types. Now, "SQLOLEDB", "SQLNCLI11", "MSOLEDBSQL19" and "OraOLEDB.Oracle" providers have an alias mechanism that should match most of the database definitions.
- *Database Service*: In order to improve security in non-trusted networks, a new parameter was added to disable *MCL-Client's* ability to override MQD entries. We recommend you only use MQD files with bind parameters when in a non-trusted network.
- *Database Service*: Now, the SQL command query timeout can be set.
- *Database Service*: It is, now, possible to configure SQL Statement parameters when using the Embedded SQL command option in the same way as the parameter configuration of MQD files.
- *Database Service*: Now, the size of a bind parameter can be defined.

### 3.2.2 Bug Fixes

- *Database Service*: Fixed issue that caused a crash when "Week Number" date formatting was used.
- *Database Service*: Fixed issue that caused the loss of millisecond precision in date formatting for dates prior to 30/12/1899.
- *Database Service*: Fixed issue that could cause a potential crash when formatting the year with 2 digits for dates prior to 1900.
- *Database Service*: Fixed issue that prevented *MCL-Net's Database* service from handling the first resultset of multiple returned resultsets when this first result was closed.
- *Database Service*: Fixed issue that caused the retrieved datetime to be wrongly rounded to the next second.

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