

IBM[®] Net.Data



Messages and Codes

IBM[®] Net.Data



Messages and Codes

Note

Be sure to read the information in "Notices" on page 43 before using this information and the product it supports.

March 2001 Edition

This edition applies to IBM Net.Data for OS/390, a feature of Version 7 of DB2 Universal Database Server for OS/390 (DB2 UDB for OS/390) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Preface

Thank you for selecting Net.Data®, the IBM™ development tool for creating dynamic Web pages! With Net.Data, you can rapidly develop Web pages with dynamic content by incorporating data from a variety of data sources and by using the power of programming languages you already know.

About This Book

This book describes the following messages and codes returned by Net.Data:

- Error and information messages returned from Net.Data
- Return codes from function calls
- Trace messages logged for debugging

This book may refer to products or features that are announced, but not yet available.

More information including sample Net.Data macros, demos, and the latest copy of this book, is available from the following World Wide Web site:

<http://www.ibm.com/software/data/net.data/>

Who Should Read This Book

This book is intended for people involved in planning and writing Net.Data applications. To understand the concepts discussed in this book, you should be familiar with how a Web server works, understand simple SQL statements, and know HTML tags, including HTML form tags.

The Net.Data macro language, variables, and built-in functions, as well as operating system differences are described in *Net.Data Reference*.

About Examples in This Book

Examples used in this book are kept simple to illustrate specific concepts and do not show every way Net.Data constructs can be used. Some examples are fragments that require additional code to work.

How to send your comments

Your feedback helps IBM to provide quality information. Please send any comments that you have about this book or other DB2 documentation. You can use any of the following methods to provide comments:

- Send your comments by e-mail to db2pubs@vnet.ibm.com and include the name of the product, the version number of the product, and the number of the book. If you are commenting on specific text, please list the location of the text (for example, a chapter and section title, page number, or a help topic title).
- Send your comments from the Web. Visit the Web site at:

<http://www.ibm.com/software/db2os390>

The Web site has a feedback page that you can use to send comments.

- Complete the readers' comment form at the back of the book and return it by mail, by fax (800-426-7773 for the United States and Canada), or by giving it to an IBM representative.
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Chapter 1. Error Messages

This section describes messages returned from Net.Data when there is an error.

A message and its help information are provided as follows:

DTWAnnnB The actual text of the message

Explanation: A further explanation of the message numbered DTWAnnnB, where AnnnB is the number of the message, and B is an indicator of the severity of the message as described below.

User Response: An action you can take to correct the error.

Each message has a message number by which you can locate the message and additional information about why the error occurred and what you can do to resolve the error. At the end of the number, there is a letter that can be one of the following:

- E** An error message. This message indicates an error or problem that will eventually require some action on your part before your macro can successfully execute. You might be required to debug your macro, reconfigure Net.Data initialization file, call your system administrator, or call your IBM representative.
- I** An information message. This message is for your information and might not require any action on your part.

The message text accompanies the number and briefly describes the error or warning condition. This text might include file, variable, or language environment names, as well as return codes, reason codes, or SQL codes. These names and codes are not included in this document, but are substituted within the message.

An explanation and user response are provided with the message text. This information helps you to determine how to debug the problem or if you need to call an administrator.

DTWA000I Net.Data detected an internal error
<error_type>.

Explanation: Net.Data has detected the specified internal error.

User Response: Correct the specified error and try again. Contact your Net.Data administrator for assistance.

DTWA001E Net.Data detected an invalid or missing value for the variable <variable_name>.

Explanation: Net.Data has detected an invalid or missing value for the specified variable.

User Response: Specify a valid value for the specified variable and try again. See the *Net.Data Reference* for more information about valid variable values.

DTWA002E Net.Data is unable to locate the function
<function_name>.

Explanation: Net.Data was unable to locate the specified function.

User Response: The specified function does not exist in the macro file. Specify a valid function and try again.

DTWA003E Net.Data detected a null value in parameter <parameter_name>.

Explanation: Net.Data has detected a null value in the specified parameter.

User Response: Ensure that the specified parameter contains a non-null value and try again.

DTWA004E Net.Data detected an invalid number of parameters <paramemter_names>.

Explanation: Net.Data has detected an invalid number of parameters specified.

User Response: Ensure that the correct number of parameters are specified and try again.

DTWA005I Net.Data is unable to process the file <file_name>.

Explanation: Net.Data was unable to process the specified file because the file does not exist or Net.Data was not able to open it.

User Response: Ensure the specified file exists and that Net.Data has the proper authority and try again.

DTWA006I The Net.Data evaluation license has expired.

Explanation: A valid license is needed to use Net.Data.

User Response: Purchase and install a valid Net.Data license and try again.

DTWA007E The syntax of the QUERY_STRING variable for the URL is invalid.

Explanation: The syntax of the QUERY_STRING variable for the URL is invalid.

User Response: Correct the QUERY_STRING variable and try again.

DTWA008E The content type of the input data in the HTML POST method is not correct.

Explanation: The content type of the input data in the HTML POST method should be "application/x-www-form-urlencoded", but is not.

User Response: Please check your browser MIME types to correct the content type and try again.

DTWA009I Net.Data is unable to allocate memory from the operating system.

Explanation: The system is out of memory so that Net.Data is unable to allocate the space needed.

User Response: Check your operating system status, specifically the virtual memory. If the virtual memory is too low, increase the available memory space.

DTWA010I The CGI variable <variable_name> has an invalid value of <variable_string>.

Explanation: The specified CGI variable has an invalid value.

User Response: Check that the web server is

specifying a correct value for the specified CGI variable and try again.

DTWA014E Net.Data detected an invalid number of parameters at line number <number>.

Explanation: Net.Data has detected an invalid number of parameters were specified.

User Response: Ensure that the correct number of parameters are specified and try again.

DTWA016I LicDemo: Error creating license control file.

Explanation: Net.Data could not establish a try-and-buy license for the evaluation period.

User Response: This may be an internal Net.Data Error. Make sure you have at least 2KB free space on the hard drive where Net.Data is installed. If so, then contact IBM technical support.

DTWA017I This site is using a temporary license for Net.Data. There are <days_remaining_value> days remaining in the evaluation period, starting from <date>.

Explanation: Your trial period for Net.Data has begun. You will be able to use Net.Data for a certain number of days after which, you must enroll a production license for Net.Data or it will stop functioning.

User Response: A production license can be obtained from IBM or the supplier where you got this evaluation copy of Net.Data. To perform this operation please refer to the documentation in the *Installing Net.Data Licenses* section.

DTWA018I This site is using a temporary license for Net.Data. There are <days_remaining_value> days remaining in the evaluation period.

Explanation: This message will appear on the first day of your trial period and infrequently on certain days during your trial period. You will be able to use Net.Data for the specified number of days after which, you must enroll a production license for Net.Data or it will stop functioning.

User Response: A production license can be obtained from IBM or the supplier where you got this evaluation copy of Net.Data. To perform this operation please refer to the documentation in the *Installing Net.Data Licenses* section.

DTWA019I The trial period for Net.Data has expired. You must enroll Net.Data with a production license for it to run.

Explanation: This message will appear when the trial period for Net.Data has expired.

User Response: A production license can be obtained from IBM or the supplier where you got this evaluation copy of Net.Data. To perform this operation please refer to the documentation in the *Installing Net.Data Licenses* section.

DTWA020I No valid Net.Data license control file found. Net.Data will end.

Explanation: This message will appear when Net.Data is unable to locate and verify the Net.Data license control file.

User Response: A production license can be obtained from IBM or the supplier where you got this evaluation copy of Net.Data. To perform this operation please refer to the documentation in the *Installing Net.Data Licenses* section.

DTWA021I Net.Data is unable to open a codepage converter from <codepage1_name> to <codepage2_name>. Net.Data is switching to default processing.

Explanation: An invalid codepage was specified for one or more of the variables DefaultNetCp, DefaultFsCp, or DefaultDBCp. The default processing is as follows:

- Between DefaultFsCp and DefaultNetCp:
 - DefaultFsCp = IBM-1047
 - DefaultNetCp = ISO8859-1
- Between DefaultFsCp and DefaultDBCp:
 - no conversion takes place

User Response: Verify that the codepages specified in the Web server's configuration file for DefaultNetCp and DefaultFsCp, and the codepage specified in the Net.Data initialization file for DefaultDBCp are correct.

DTWB000I Net.Data is unable to load the COBOL module <module_name> in function <func_name>

Explanation: Net.Data could not load the COBOL load module for execution.

User Response: Ensure that the COBOL module is in a dataset specified in the LINKLIST or the Web server's STEPLIB DD statement.

DTWB001I Net.Data detected that the buffer size for the COBOL program is too small to fit all of the parameters for function <func_name>."

Explanation: Net.Data needs a memory buffer large enough to pass all of the parameters to the COBOL program.

User Response: Ensure that DTW_COBOL_PARAMETER_BUFFER_SIZE is defined in the macro or the initialization file to be a large enough buffer.

DTWB002E Net.Data is unable to obtain an integer for the number of rows or columns in the table parameter

Explanation: Net.Data could not determine the number of rows or columns of an OUT or INOUT table parameter.

User Response: Ensure that the COBOL module sets the row and column count to an integer for each OUT and INOUT table.

DTWC000I Live Connection Manager detected an error in its internal protocol. Live Connection Manager expected message <expected_message> but received message <received_message>.

Explanation: Live Connection Manager has detected an internal communication protocol error.

User Response: Report the problem to your system administrator.

DTWC001I The Live Connection internal function <function_name> failed with code <return_code>.

Explanation: Live Connection has detected an internal function failure.

User Response: Report the problem to your system administrator.

DTWC002I The Live Connection internal function <function_name> failed with code <return_code_value>.

Explanation: Live Connection has detected an internal function failure.

User Response: Report the problem to your system administrator.

DTWC003I Live Connection unable to start all cliettes for cliette group <cliette_group_name>.

Explanation: Live Connection was unable to start all cliettes for the specified cliette group.

User Response: Report the problem to your system administrator.

DTWC004I Live Connection unable to locate a cliette to handle request for cliette group <cliette_group_name>.

Explanation: Live Connection was unable to find a cliette to handle request for the specified cliette group.

User Response: Check that the cliette group was properly configured in the Live Connection configuration file.

DTWC005I Live Connection Manager could not read configuration file <file_name>.

Explanation: Live Connection Manager was unable to read the specified configuration file.

User Response: The specified configuration file could not be correctly read. Check that the file can be accessed and that the configuration statements inside the file are correct.

DTWC006I The Live Connection cliette detected an error in its internal protocol. The cliette expected message <expected_message> but received message <received_message>.

Explanation: The Live Connection cliette detected an internal communication protocol error.

User Response: Report the problem to your system administrator.

DTWC007I The Live Connection internal function <function_name> failed. The operating system returned the following error message: <system_error>.

Explanation: Live Connection has detected an internal function failure.

User Response: Report the problem to your system administrator.

DTWF004E Net.Data detected a cyclic variable definition <var_def_name>.

Explanation: Net.Data variable definitions cannot be self-referencing.

User Response: Check the specified variable definition in the defined section in your macro file and try again.

DTWF005E Net.Data has detected an undefined table name <table_name>.

Explanation: A Net.Data table variable should be defined as x=Table(number).

User Response: Check your macro file to make sure your table variable is defined and try again.

DTWF006I Net.Data has exceeded the maximum string length.

Explanation: The maximum string length that Net.Data can handle is 320,000 characters.

User Response: Check your macro file for the length of variable name or function name, correct the length, and try again.

DTWF007E Net.Data has detected an invalid form data entry.

Explanation: An entry in the form data has no name and a variable name was expected. For example, the form data may look like &;=field.

User Response: Check the form data and provide a name in the illegal entry and try again.

DTWF008E Net.Data detected a missing equal sign (=) in the form data.

Explanation: Form data requires the format variable_name=variable_value.

User Response: Provide an equal sign (=) in the invalid form data and try again.

DTWF010E Net.Data has encountered a missing database name in the form data.

Explanation: The database language environment entry must have a database name.

User Response: Check the form data, provide a database name in the database language environment entry, and try again.

DTWF011E Net.Data has detected that a language environment was not specified.

Explanation: The language environment entry in the form data must have a language environment entry.

User Response: Check the form data, provide a language environment entry, and try again.

DTWF012E Net.Data has detected that a query was not specified.

Explanation: The form data contains a database language environment, but the query is missing.

User Response: Check the form data, provide a query, and try again.

DTWF013E Net.Data has detected that a function was not specified.

Explanation: The form data must have a function specification.

User Response: Check the form data and provide a function specification and try again.

DTWF014E Net.Data has detected that the form data does not define the variable <variable_name>.

Explanation: The form data referenced a variable that is not defined.

User Response: Check the form data, define the corresponding variable, and try again.

DTWF015I The system command failed at line number <number> with return code <return_code>

Explanation: After running the system command, Net.Data obtained the non-zero system error code. This usually implies the failure of the execution.

User Response: Check the syntax of the system command at the specified line. Try running the system command from the command line to verify there is an error.

DTWF016I Net.Data is unable to open the configuration file <file_name>.

Explanation: Net.Data is unable to find or open the configuration file.

User Response: Make sure that the Net.Data configuration file is in the server's HTML root directory and ensure that the access permission for the file is read and write.

DTWF017I Net.Data is unable to read the configuration file <file_name>.

Explanation: Net.Data is able to find the configuration file but unable to read it.

User Response: Ensure that the access permission for the file is read.

DTWF018E Net.Data detected an SQL statement that exceeds the maximum length.

Explanation: The maximum character length for an SQL statement is 32000 bytes.

User Response: Rewrite the SQL statement to make it shorter, such as breaking it down into shorter SQL

statements and then combining the results, and try again.

DTWF019I Net.Data failed to connect to the language environment <lang_envir_name>.

Explanation: Net.Data has failed to connect to the specified language environment.

User Response: If Live Connection Manager is used, make sure that the Live Connection Manager is configured and running correctly. If a database language environment is used, check with your database administrator.

DTWF021I Net.Data replaced the value of the built-in variable <variable_name>.

Explanation: Net.Data has overridden the user set value of the specified built-in variable.

User Response: Ensure that the built-in variable is not overridden inadvertently, as built-in variables are usually designed for read-only, and try again.

DTWF022E Net.Data detected an invalid table name <table_name>.

Explanation: The value of the variable DTW_SAVE_TABLE_IN is an invalid table name.

User Response: Ensure that the variable DTW_SAVE_TABLE_IN contains a valid table name and try again.

DTWF023E Net.Data is unable to execute the SQL statement <SQL_stmt>.

Explanation: Net.Data was unable to execute the specified SQL statement.

User Response: Check the SQL statement, along with any database error messages, and try again.

DTWF031I Net.Data encountered a missing variable definition.

Explanation: Net.Data has attempted to delete a cycle variable from a temporary cycle table. However, this variable does not exist or has already been removed.

User Response: Report the problem to your system administrator.

DTWF032I Net.Data is unable to load DLL <DLL_name>.

Explanation: Net.Data has encountered an internal failure due to a possible lack of memory. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWF033I Net.Data is unable to find the execute process address for DLL <DLL_name>.

Explanation: Net.Data has attempted to find address for the specified DLL to load. Either the memory is corrupted or the pointer contains an invalid address.

User Response: Report the problem to your system administrator.

DTWF034I Net.Data is unable to close database connection.

Explanation: The database might not exist or it has already been closed.

User Response: Report the problem to your system administrator.

DTWF036I The database ROLLBACK failed.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error. For example, the application tries to insert 10 rows in the database table and commit if success. For some reasons, it cannot fulfill to insert all and try rolling back to undo the job, and it cannot.

User Response: Report the problem to your system administrator.

DTWF037E Net.Data encountered an unexpected NULL command for execution.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWF038I Net.Data detected a NULL pointer in <name>.

Explanation: Net.Data has encountered an internal failure. The new operator might have returned a NULL value, or there might not be enough memory.

User Response: Report the problem to your system administrator.

DTWF039I Net.Data failed to fetch the next record from the database: <error_trace_info>.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWF040I Net.Data failed to close the database cursor: <error_trace_info>.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWF041I Net.Data did not find the global alias table.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWF043I The Net.Data function, process_output, did not find the RETURN_CODE variable. A null string is used as the return code of the function.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWF045I Net.Data is unable to find the execute process address for DLL <DLL_name>;<error_info>.

Explanation: Net.Data has attempted to find address for the specified DLL to load. Either memory is corrupted or the pointer contains an invalid address.

User Response: Report the problem to your system administrator.

DTWF046E Net.Data detected an invalid language environment <lang_envir_name> at line number <number>.

Explanation: Net.Data has detected an invalid language environment statement in the INI file.

User Response: See *Net.Data Language Environment Reference* for more information. Specify a valid language environment and try again.

DTWF047E Net.Data failed to run a function in a language environment of type <lang_envir_name> at line number <number>.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWF048I Net.Data encountered a missing variable definition for variable *<variable_name>*.

Explanation: Net.Data has attempted to delete the specified cycle variable from a temporary cycle table. However, this variable does not exist or it has already been removed.

User Response: Report the problem to your system administrator.

DTWF049E Net.Data detected an invalid input in a conditional statement.

Explanation: Net.Data has determined that the input contained in a %IF or %ELSEIF conditional statement is incorrect..

User Response: See *Net.Data Reference* for syntax information. Correct the conditional statement and try again.

DTWF050E Net.Data is unable to locate the HTML or XML block specification in the URL.

Explanation: No HTML or XML block was specified in the URL.

User Response: Specify a valid HTML or XML block and try again.

DTWF051E Net.Data has detected an incorrect parameter passing specification in the stored procedure parameter list for the form data. The parameter passing specification *<parameter_passing_specification>* must be IN, OUT, or INOUT.

Explanation: Usage in stored procedure parameter list must be one of the key words IN, OUT, or INOUT.

User Response: Correct the usage specification.

DTWF052E Net.Data has encountered a missing type specification in the stored procedure parameter list in the form data

Explanation: Stored procedure parameter has to contain a specification of the data type.

User Response: Correct the stored procedure parameter, provide a data type.

DTWF053E Net.Data has encountered a missing parameter value in the stored procedure parameter list in the form data

Explanation: The value for a stored procedure input parameter is missing.

User Response: Correct the stored procedure

parameter, provide the value.

DTWF054E Net.Data has encountered a missing quote at the end of a parameter value in the stored procedure parameter list in the form data

Explanation: The parameter value started but did not end with a quote.

User Response: Correct the parameter value, put a quote at its end.

DTWF055E Net.Data has detected an invalid parameter list in the form data.

Explanation: The parameter list for a function call is invalid.

User Response: Correct the parameter list.

DTWF056E Net.Data has detected that the SQL or FUNC entry in the form data is empty

Explanation: Entry FUNC or SQL must specify a function call or a SQL query.

User Response: Provide a function call or a SQL query for entry FUNC or SQL in the form data.

DTWF057I Net.Data failed to retrieve the next result set from the database: *<error_trace_info>*.

Explanation: Net.Data encountered an error while attempting to retrieve the next result set from the database.

User Response: Check the database error message. Also verify that the SQL statement returns the correct number of result sets.

DTWF058I Net.Data detected a table as a IN parameter in the parameter list of function *<function_name>*.

Explanation: Net.Data tables cannot be passed into a Net.Data function if this function connects to a database language environment.

User Response: Change the function parameter list.

DTWF059I Net.Data is unable to execute this request because Direct Request is not available

Explanation: Direct Request has been disabled.

User Response: If the URL was not in error, set DTW_DIRECT_REQUEST to "yes" in the Net.Data initialization file

DTWF060I **Unable to find function in shared library: <library>.**

Explanation: Net.Data unable to load the language environment shared library.

User Response: Please check the dependency that this library has on the system.

DTWF061I **Net.Data is unable to create a file to save an uploaded file to the file system**

Explanation: Net.Data could not create a file in the directory specified by the configuration variable DTW_UPLOAD_DIR.

User Response: Ensure that the permissions of the directory allow for the creation of a file by the user uploading the file.

DTWF062I **Net.Data is unable to write to a file to save an uploaded file to the file system**

Explanation: Net.Data could not write to a file in the directory specified by the configuration variable DTW_UPLOAD_DIR.

User Response: Ensure that the permissions of the directory allow for the creation of a file by the user uploading the file.

DTWF063I **Net.Data is unable to save the uploaded files to the file system because DTW_UPLOAD_DIR is not set**

Explanation: Net.Data could not save the uploaded files because the configuration variable DTW_UPLOAD_DIR is not set to a valid directory.

User Response: Ensure that DTW_UPLOAD_DIR is set and it specifies an existing directory on the file system.

DTWF064I **Net.Data is unable read the entire data stream for file uploads**

Explanation: Net.Data received a truncated input data stream and could not save the uploaded files.

User Response: Verify that the Web server can accept large file uploads.

DTWF065I **Net.Data is unable write the entire uploaded file to the file system**

Explanation: Net.Data could not complete saving the uploaded file to the file system.

User Response: Verify that the directory specified by DTW_UPLOAD_DIR has enough space to store the uploaded files.

DTWF066I **Net.Data detected that the input stream for file uploads is invalid**

Explanation: Net.Data received an input stream from the Web server that did not conform to file upload syntax.

User Response: Ensure that the application sending the file uploads is sending the stream correctly.

DTWF067I **Net.Data encountered an error converting the text data between the file system codepage and the network codepage**

Explanation: Net.Data could not convert text files from the DefaultNetCp codepage setting to the DefaultFsCp codepage setting.

User Response: Ensure that the Web server configuration specifies the correct codepages for DefaultNetCp and DefaultNetCp.

DTWG001E **Net.Data is unable to locate the registry <name> in function <name>.**

Explanation: Net.Data was unable to locate the specified registry.

User Response: The specified registry does not exist or it is in use by another process. Specify a valid registry and try again.

DTWG005I **Net.Data is unable to perform the requested registry operation <operation_name> in function <function_name>.**

Explanation: The registry operation failed because your user ID lacks the proper authorization to perform the requested registry operation.

User Response: Obtain the proper authorization and try again.

DTWH000I **Net.Data detected an internal error in the cache manager interface.**

Explanation: Net.Data detected an internal error in the cache manager interface.

User Response: Report the problem to your system administrator.

DTWH001E **Net.Data detected an invalid cache name <name>.**

Explanation: Net.Data was unable to locate the specified cache name.

User Response: Check the macro file and correct the cache name and try again.

DTWH002E Net.Data detected an insufficient number of parameters to the cache function.

Explanation: Not enough parameters were used when calling the Net.Data cache function.

User Response: Check the macro file and correct the function call and try again.

DTWH003E Net.Data detected too many parameters supplied to the cache function.

Explanation: Too many parameters were supplied when calling the Net.Data cache function.

User Response: Check the macro file and correct the function call and try again.

DTWL000E Net.Data detected an invalid value in the parameter *<parameter_name>* in function *<function_name>*.

Explanation: Net.Data has detected an invalid data type value in the specified parameter.

User Response: Ensure that the specified parameter contains a valid data type and try again.

DTWL001E Net.Data detected an invalid value in the variable *<name>* in function *<name>*.

Explanation: Net.Data has detected an invalid value in the specified variable.

User Response: Ensure that the specified variable contains a valid data type and try again.

DTWL002E Net.Data detected different parameter lists for the same functions at line number *<number>*.

Explanation: Net.Data has detected that the specified functions have different parameter lists. The specified functions are required to have identical parameter lists.

User Response: Correct the specified functions parameter lists and try again.

DTWL003E Net.Data detected that a data type parameter is missing on the %FUNCTION statement *<name>*.

Explanation: Net.Data could not find a required data type parameter in a macro used to call an SQL stored procedure.

User Response: Check the %FUNCTION(DTW_SQL) statements in your macro file. Ensure that each variable to be passed to an SQL stored procedure has a data type defined for it.

DTWL004E Net.Data detected that the parameter value *<parameter_name>* is outside of the table bounds in function *<function_name>*.

Explanation: One of these conditions exists: A program attempted to modify a table's row or column value, but the row or column value received was less than 0 or greater than the maximum number of rows allowed in the table. Or, A row or column value was received as input to a built-in function, but the value received was less than 0 or greater than the current number of rows or columns in the table.

User Response: Ensure the specified value is not less than 0 or greater than the current number of rows in the table.

DTWL005E Net.Data is unable to return all requested data in the table variable *<variable_name>* in function *<variable_name>*.

Explanation: A table was specified as an output parameter, but the number of rows of data returned by the language environment was greater than the maximum number of rows allowed for the table. Data was written to the table until it was full, and the remainder of the data was discarded.

User Response: You can ignore the discarded data, or increase the table size and run the function again.

DTWL006E Net.Data attempted to read a row of data that exceeded the maximum supported number of bytes in function *<function_name>*.

Explanation: A built-in function for the flat file interface could not read a row of data into a table variable because the number of bytes in the row exceeded the maximum supported number of bytes. The table is too large for Net.Data to handle.

User Response: Correct the error and try again.

DTWL007E Net.Data encountered a path specified in FFI_PATH exceeded the maximum supported number of bytes in function *<function_name>*.

Explanation: A built-in function for the flat file interface attempted to find a file, but encountered a path in the FFI_PATH configuration file variable that was longer than the maximum supported number of bytes of 4095.

User Response: Shorten the FFI_PATH statement to only those directories Net.Data needs for the current application.

DTWL008E Net.Data detected an arithmetic overflow or underflow in function block <block_name>.

Explanation: The result of an arithmetic operation had an exponent that was outside the supported range of -999,999,999 to +999,999,999.

User Response: Ensure that your calculated values stay within the supported range.

DTWL009E Net.Data detected an empty EXEC statement in function block <block_name>.

Explanation: The string specified in the EXEC statement of a function block contains only space characters.

User Response: Specify a string that is not all space characters and try again.

DTWL010E Net.Data detected a missing EXEC statement in a function block <block_name>.

Explanation: A EXEC statement was not specified in the function block for the function being called.

User Response: Add the EXEC statement in the FUNCTION block and try again.

DTWL011E Net.Data detected an invalid language environment type or DLL <DLL_name>.

Explanation: The Net.Data specified language environment type or DLL name in macro file must be defined in the Net.Data configuration file.

User Response: Check your macro file and Net.Data configuration file db2www.ini and try again.

DTWL012I Net.Data encountered an internal failure in the function <function_name>, failure code <failure_code_value>.

Explanation: Net.Data has encountered an internal failure in the specified function. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWL013I Net.Data is unable to allocate memory for the function <function_name>.

Explanation: The server could not process a request for storage from Net.Data.

User Response: This might be a temporary condition in your server. If this problem persists, you may need to purchase more memory.

DTWL015E Net.Data detected an invalid table parameter <parameter_name> in function <function_name>.

Explanation: Net.Data has detected that the specified parameter is not valid for a table.

User Response: See *Net.Data Reference* for more information about table parameter values. Ensure that the correct parameter type is specified and try again.

DTWL016E Net.Data detected an invalid string parameter <parameter_name> in function <function_name>.

Explanation: Net.Data has detected that the specified parameter is not a valid string.

User Response: Ensure that the correct string parameter is specified and try again.

DTWL017E Net.Data detected an invalid output parameter <parameter_name> in function <function_name>.

Explanation: Net.Data has detected that the specified parameter is not a valid output parameter.

User Response: Ensure that the correct output parameter is specified and try again.

DTWL018E Net.Data detected a null value in parameter <parameter_name> in function <function_name>.

Explanation: Net.Data has detected a null value in the specified parameter.

User Response: Ensure that the specified parameter contains a non-null value and try again.

DTWL019E Net.Data detected an invalid output parameter at line number <number>.

Explanation: Net.Data has detected that the specified parameter is not a valid output parameter.

User Response: Ensure that the correct output parameter is specified and try again.

DTWL021I Net.Data encountered an internal error in function <function_name>:
<additional_information>.

Explanation: A call to a system function failed. This is an internal error reported to Net.Data that may require user interaction or it may be a temporary system error that is not appropriate for Net.Data to handle.

User Response: Check your configuration and try again. If this problem persists, report the problem to your system administrator.

DTWL022E Net.Data is unable to process the function *<function_name>* in file *<file_name>*.

Explanation: Net.Data was unable to process the specified file because the file does not exist or Net.Data was not able to open, possibly due to incorrect read permissions.

User Response: Ensure the specified file exists and that Net.Data has the proper authority and try again.

DTWL023E Net.Data detected an invalid number of parameters in function *<function_name>*.

Explanation: Net.Data has detected an invalid number of parameters specified.

User Response: Ensure that the correct number of parameters are specified and try again.

DTWL024E Net.Data is unable to return all requested data in function *<function_name>*.

Explanation: A table was specified as an output parameter, but the number of rows of data returned by the language environment was greater than the maximum number of rows allowed for the table. Data was written to the table until it was full, and the remainder of the data was discarded.

User Response: You can ignore the discarded data, or increase the table size and run the function again.

DTWL025E Net.Data detected an invalid value in function *<function_name>*.

Explanation: Net.Data has detected an invalid value in the specified function.

User Response: Ensure that the specified variable contains a valid data type and try again.

DTWL026E Net.Data detected a null value in function *<function_name>*.

Explanation: Net.Data has detected a null value in the specified function.

User Response: Ensure that the specified parameter contains a non-null value and try again.

DTWL027E Net.Data detected an invalid string parameter in function *<function_name>*.

Explanation: Net.Data has detected that the specified parameter is not a valid string.

User Response: Ensure that the correct string parameter is specified and try again.

DTWL028E Net.Data detected an invalid table parameter in function *<function_name>*.

Explanation: Net.Data has detected that the specified parameter is not a valid table.

User Response: Ensure that the correct table parameter is specified and try again.

DTWL029E Net.Data detected an invalid output parameter in function *<function_name>*.

Explanation: Net.Data has detected that parameter is not a valid output parameter.

User Response: Ensure that the correct output parameter is specified and try again.

DTWL031E The specified SMTP server *<SMTP_server>* cannot be reached.

Explanation: Net.Data is unable to connect to the specified SMTP server.

User Response: Make sure that you have specified the correct hostname or IP number. An SMTP server must be running on port 25 on the specified host.

DTWL032I While communicating with the specified SMTP server, the SMTP server returned the following error message: *<SMTP_error_message>*.

Explanation: An SMTP error occurred while Net.Data tried to relay the e-mail message to the specified SMTP server.

User Response: Make sure that you call DTW_SENDMAIL with valid parameters.

DTWL033I The connection to the specified SMTP server has been lost.

Explanation: The TCP/IP connection to the specified SMTP server was lost while Net.Data tried to relay the e-mail message to the SMTP server.

User Response: Make sure that the specified SMTP server is up and running and try again.

DTWL034E The specified SMTP server does not support the Extended Simple Mail Transfer Protocol (ESMTP), but the specified e-mail message contains non-U.S. ASCII characters.

Explanation: Net.Data cannot relay e-mail messages that contain 8-bit characters to an SMTP server that supports 7-bit characters only.

User Response: Either specify an SMTP server that supports ESMTP (8BITMIME) or do not use non-U.S. ASCII characters in your e-mail messages.

DTWL035I **The Net.Data function DTW_GETCOOKIE attempted to retrieve a nonexistent cookie: <cookie name>.**

Explanation: The cookie cannot be found for one of the following reasons:

- The cookie has never been set.
- The cookie has expired.
- The cookie does not have an expiration date and is not persistent; the Web browser that received the cookie exited or was killed.
- The cookie was set with a secure option, and the current HTTP request was sent over an insecure channel.
- The Web browser did not accept cookies or it did not execute JavaScript programs at the time when the set cookie request was submitted.
- The cookie has been deleted by the Web browser; the number of cookies exceeds the limitations of the browser. The limitations are described in Netscape's specification at:
<http://home.netscape.com#46>;

User Response: Use a MESSAGE block to handle the cookie-not-found condition (RETURN_CODE 8000), or make sure that the cookie name is correctly specified.

DTWL036E **Sendmail is unable to open the DTW_SENDMAIL attachment <file_name>.**

Explanation: Net.Data was unable to open the specified attachment because it does not exist or Net.Data doesn't have authorization to open it.

User Response: Specify a valid attachment path and filename, ensure that Net.Data has the proper authorization, and try again.

DTWL037I **Net.Data attempted to read file <filename>, which is too large to hold in a Net.Data variable.**

Explanation: DTWF_READFILE attempted to read a file that is too large to hold in a Net.Data variable. See the Net.Data Reference for variable length limitations.

User Response: Ensure that the files are within the limits of a Net.Data variable; perhaps you can split the file into smaller pieces before reading it.

DTWL040I **Net.Data cannot read from file <file_name>**

Explanation: Net.Data cannot read the file specified in the file parameter of DTWF_READFILE.

User Response: Please ensure that the file exists and that it is spelled correctly in the function. Also, ensure that FFI_PATH specifies the correct path.

DTWL041I **Net.Data is unable to complete the file upload request: <request>**

Explanation: The file upload from the browser to the server could not be completed by Net.Data.

User Response: In the Net.Data initialization file, check that the DTW_UPLOAD_DIR configuration variable is set to the correct path.

DTWL042I **Net.Data cannot open the output file named <file_name>**

Explanation: Net.Data could not open the specified file used for standard output from a Perl script, REXX program or System Language Environment Program.

User Response: Report the problem to your system administrator.

DTWL043I **Net.Data cannot remove the output file named <file_name>**

Explanation: Net.Data could not remove the specified file used for standard output from a Perl script, REXX program or System Language Environment Program.

User Response: Report the problem to your system administrator.

DTWL044I **Net.Data cannot open the script file named <file_name>**

Explanation: Net.Data could not open the specified script used to execute a Perl script, REXX program or System Language Environment Program.

User Response: Report the problem to your system administrator.

DTWL045I **Net.Data cannot remove the script file named <file_name>**

Explanation: Net.Data could not remove the specified script used to execute a Perl script, REXX program or System Language Environment Program.

User Response: Report the problem to your system administrator.

DTWL046I **Net.Data cannot open the DTWPIPE file named <file_name>**

Explanation: Net.Data could not open the specified file used returning parameters from a Perl script, REXX program or System Language Environment Program.

User Response: Report the problem to your system administrator.

DTWL047I Net.Data cannot remove the DTWPIPE file named *<file_name>*

Explanation: Net.Data could not remove the specified file used returning parameters from a Perl script, REXX program or System Language Environment Program.

User Response: Report the problem to your system administrator.

DTWP000E Net.Data detected a LIST definition error *<file>*.

Explanation: Net.Data was unable to define the specified %LIST as it was previously declared.

User Response: Change the specified %LIST name to a unique name and try again.

DTWP001E Net.Data is unable to locate the macro file *<macro_name>*.

Explanation: Net.Data was unable to locate the specified macro file because the specified macro file does not exist or Net.Data was not able to open it.

User Response: Specify a valid macro path and macro file name and try again.

DTWP003E Net.Data detected a duplicate HTML or XML block name *<block_name>* *<file>*.

Explanation: Net.Data was unable to continue processing as a duplicate specified HTML or XML block exists.

User Response: Change the specified duplicate HTML or XML block name to a unique name and try again.

DTWP005E Net.Data detected an illegal symbol *<symbol_name>* *<file>*.

Explanation: Net.Data was unable to continue processing because it detected the specified illegal symbol.

User Response: Remove the specified illegal symbol from the macro file and try again.

DTWP006E Net.Data detected an unexpected end of macro file *<macro_name>*.

Explanation: Net.Data was unable to continue processing because it detected an unexpected end of file.

User Response: Ensure that all Net.Data blocks end with %}. Correct the specified error and try again.

DTWP007I Net.Data is unable to process the %INCLUDE_URL address *<URL_address>*.

Explanation: Net.Data was unable to include the %INCLUDE_URL address specified URL because the URL was unreachable or invalid.

User Response: Ensure that the specified %INCLUDE_URL exists and that the Web server is running. Correct the specified error and try again.

DTWP009E Net.Data detected a quoted string, *<string_name>* that crosses multiple lines.

Explanation: A quoted string cannot exceed more than one line.

User Response: Ensure that the string both begins with and ends with quotes on the same line. Correct the specified error and try again.

DTWP010I Net.Data is unable to process the %INCLUDE statement for the file *<file_name>*.

Explanation: Net.Data was unable to process the %INCLUDE statement because the specified file does not exist or Net.Data was not able to open it.

User Response: Ensure that the specified file exists and that Net.Data has read authority. Correct the specified error and try again.

DTWP011I Net.Data is unable to process the %INCLUDE or %INCLUDE_URL statement for the file or URL *<file_or_URL_name>* because it is nested too deeply.

Explanation: Net.Data was unable to process the %INCLUDE or %INCLUDE_URL statement because the file or URL because it is nested too deeply. The maximum number of nested %INCLUDE statements or blocks is 10.

User Response: Ensure that the specified %INCLUDE file or %INCLUDE_URL does not include other files to a nested depth of 10 or greater. Correct the specified error and try again.

DTWP013I Net.Data encountered an exception in D2Wtable_ErrRange, *<exception_name>*

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWP014I Net.Data encountered an exception in D2Wtable_ErrNoMemory, <exception_name>.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWP015I Net.Data encountered an exception in D2Wtable_ErrInvalid, <exception_name>.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWP016I Net.Data encountered an exception in D2Wtable_ErrTooBig, <exception_name>

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWP018E Net.Data detected the invalid use of the EXEC variable in an SQL command at line number <number>.

Explanation: Net.Data has detected the invalid use of the specified EXEC variable and is unable to continue processing.

User Response: Ensure that the specified EXEC variable is not in an SQL command. Correct the specified error and try again.

DTWP019E Net.Data detected the invalid use of the EXEC variable in a Net.Data system variable at line number <number>.

Explanation: Net.Data has detected the invalid use of the specified EXEC variable and is unable to continue processing.

User Response: Ensure that the specified EXEC variable is not in a Net.Data system variable. Correct the specified error and try again.

DTWP020E Net.Data detected the invalid use of the EXEC variable in an other EXEC variable definition at line number <number>.

Explanation: Net.Data has detected the invalid use of the specified EXEC variable and is unable to continue processing.

User Response: Ensure that the specified EXEC variable is not in another EXEC variable definition.

Correct the specified error and try again.

DTWP021E Net.Data detected the invalid use of the EXEC variable in a conditional string at line number <number>.

Explanation: Net.Data has detected the invalid use of the specified EXEC variable and is unable to continue processing.

User Response: Ensure that the specified EXEC variable is not in a conditional string. Correct the specified error and try again.

DTWP022E Net.Data detected the invalid use of the EXEC variable in a List variable at line number <number>.

Explanation: Net.Data has detected the invalid use of the specified EXEC variable and is unable to continue processing.

User Response: Ensure that the specified EXEC variable is not in a list variable. Correct the specified error and try again.

DTWP023E Net.Data detected the invalid use of the EXEC variable in an EXEC_SQL statement at line number <number>.

Explanation: Net.Data has detected the invalid use of the specified EXEC variable and is unable to continue processing.

User Response: Ensure that the specified EXEC variable is not in a EXEC_SQL statement name. Correct the specified error and try again.

DTWP025E Net.Data expected ELSEIF/ELSE/ELIF and found IF <name>.

Explanation: The nested %IF structure is invalid.

User Response: Check the nested IF structure in the macro file.

DTWP026E Net.Data detected IF statements nested too deeply <name>.

Explanation: No more than 1024 IF statements can be nested within each other.

User Response: Check the nested IF structure in the macro file.

DTWP027E Net.Data detected an unmatched ELSEIF/ELSE/ELIF <name>.

Explanation: There is an ELSEIF/ELSE/ELIF part without corresponding IF part.

User Response: Check the nested IF structure in the macro file.

DTWP028E Net.Data detected an unmatched ENDIF
<name>.

Explanation: There is an ENDIF statement without corresponding IF statement.

User Response: Check the nested IF structure in the macro file.

DTWP029E Net.Data is unable to locate the HTML or XML block <block_name> in file <file>.

Explanation: Either the specified HTML or XML block does not exist in the macro file or no HTML or XML block was specified.

User Response: Specify a valid HTML or XML block and try again.

DTWP030E Net.Data detected multiple %REPORT blocks in function <function_name>.

Explanation: Release 2 of Net.Data supports multiple %REPORT blocks only for DB2.

User Response: Use only one %REPORT block in the function.

DTWP031E Net.Data detected a variable reference, <string_name> that spans multiple lines.

Explanation: A variable reference cannot exceed more than one line.

User Response: Ensure that the variable reference both begins with and ends on the same line. Correct the specified error and try again.

DTWQ000I Net.Data detected an error while allocating DB2 resources to run the specified plan: <plan_name> with SSID=<subsystem_id>, return code=<return_code>, reason=<addition_information>.

Explanation: Net.Data has detected an error while processing an OPEN command. Please refer to the *DB2 Messages and Codes* guide for further explanation.

User Response: Please validate that your DB2 plan name and subsystem id are correct.

DTWQ001I Net.Data detected an error while deallocating DB2 resources: return code=<return_code>, reason=<additional_information>.

Explanation: Net.Data has detected an error while processing a CLOSE command. Please refer to the *DB2 Messages and Codes* guide for further explanation.

User Response: Please notify the system programmer.

DTWQ002I Net.Data is unable to allocate SQLDA in function exec_start.

Explanation: Net.Data has run out of memory and is unable to allocate SQLDA in function exec_start.

User Response: Free sufficient memory and try again.

DTWQ003I Net.Data is unable to allocate SQLDA host variables in function exec_start.

Explanation: Net.Data has run out of memory and is unable to allocate SQLDA host variables in function exec_start.

User Response: Free sufficient memory and try again.

DTWQ005I The Net.Data ODBC language environment could not allocate the environment handle.

Explanation: The Net.Data ODBC language environment could not allocate specified handle.

User Response: Verify the ODBC configuration and try again.

DTWQ006I The Net.Data ODBC language environment could not allocate the connection handle.

Explanation: The Net.Data ODBC language environment could not allocate specified handle.

User Response: Verify the ODBC configuration and try again.

DTWQ007I The Net.Data ODBC language environment could not allocate the statement handle.

Explanation: The Net.Data ODBC language environment could not allocate specified handle.

User Response: Verify the ODBC configuration and try again.

DTWQ008I The Net.Data ODBC language environment encountered an error loading the CLI initialization file: return_code=<return_code>, error_code=<error_code>, info_code=<info_code>

Explanation: An invalid data set was specified in the Net.Data configuration file for the variable DSNAINI.

User Response: Verify that the data set specified is a sequential data set, or a member of a partitioned data set. Verify that it points to a valid CLI initialization file, and the user has the proper READ authority.

DTWQ009I The Net.Data ODBC language environment encountered an error running DSNAOTRC:
return_code=<return_code>,
error_code=<error_code>,
info_code=<info_code>

Explanation: An invalid data set was specified in the Net.Data configuration file for the variable DSNAOTRC

User Response: Verify that the data set specified is a sequential data set, and the user has the proper UPDATE authority.

DTWQ010E Net.Data detected an invalid SQL Data Type: <sql_typ_name>.

Explanation: Net.Data has detected an invalid SQL Data Type.

User Response: Specify a valid SQL Data Type and try again. See *Appendix C. Net.Data Operating System Reference* for a list of valid SQL Data Types with respect to your operating system.

DTWQ011I Net.Data encountered an error while initializing a connection to DB2 with the SSID <ssid_name>:
return_code=<return_code_name>,
reason_code=<reason_code_name>.

Explanation: Net.Data encountered an error while processing an IDENTIFY to initialize a DB2 connection. Please refer to the *DB2 Messages and Codes* guide for further explanation.

User Response: Please validate that your DB2 subsystem id is correct and active.

DTWQ012I Net.Data encountered an error while assigning user <user_name> to a DB2 connection with the SSID <ssid_name>:
return_code=<return_code_name>,
reason_code=<reason_code_name>

Explanation: Net.Data encountered an error while processing a SIGNON to assign a new authorization ID to a DB2 connection. Please refer to the *DB2 Messages and Codes* guide for further explanation.

User Response: Please validate that the user is authorized to connect to DB2.

DTWQ013I Net.Data encountered an error while allocating DB2 resources with the plan <plan_name> and SSID <ssid_name>:
return_code=<return_code_name>,
reason_code=<reason_code_name>

Explanation: Net.Data encountered an error while processing a CREATE THREAD to allocate DB2 resources which is required to issue SQL. Please refer

to the *DB2 Messages and Codes* guide for further explanation.

User Response: Please validate that the DB2 plan name is correct and that the correct DBRM is bound into the plan.

DTWQ014I Net.Data encountered an error while updating a connection to DB2 with the SSID <ssid_name>:
return_code=<return_code>,
reason_code=<reason_code>

Explanation: Net.Data encountered an error while attempting to switch to the specified subsystem ID.

User Response: Verify that the DB2 subsystem is still active.

DTWQ015I Net.Data encountered a DB2 error: SQL code = <SQL_code>, reason code = <reason_code>.

Explanation: Maybe new operator returns NULL because of not enough memory.

User Response: Report the problem to your system administrator.

DTWQ016I Net.Data detected an invalid SQL handle in the SQL or ODBC language environment

Explanation: Net.Data has detected that the SQL or ODBC language environment has an invalid SQL handle.

User Response: Check the database or ODBC connection.

DTWQ017E Net.Data detected an invalid stored procedure call in function <function_name>.

Explanation: The stored procedure call is syntactically incorrect.

User Response: Verify that the stored procedure CALL statement is syntactically correct.

DTWQ018E Net.Data detected an invalid parameter list in the stored procedure call in function <function_name>.

Explanation: The parameter list in the stored procedure call is syntactically incorrect.

User Response: Verify that parameter list in the stored procedure CALL statement is syntactically correct.

DTWQ019E Net.Data encountered an input table as stored procedure output table in function *<function_name>*.

Explanation: Net.Data cannot write into an input parameter table.

User Response: Declare the table parameter in the function parameter list as OUT parameter.

DTWQ020E Net.Data encountered a missing stored procedure name in function *<function_name>*.

Explanation: Net.Data cannot find the stored procedure name in the stored procedure call.

User Response: Verify that the stored procedure CALL statement has a name.

DTWQ021E Net.Data detected too many result sets in the stored procedure call in function *<function_name>*.

Explanation: The number of result sets in a stored procedure call is limited to 32.

User Response: Modify the stored procedure call.

DTWQ022E Net.Data detected that a table is attached to more than one %REPORT block in function *<function_name>*.

Explanation: Only one %REPORT block is allowed per table in a Net.Data function.

User Response: Use only one %REPORT block per table.

DTWQ023E Net.Data encountered a result set that was not specified in the stored procedure call in function *<function_name>*

Explanation: Net.Data encountered a %REPORT block with a table name that does not match a table listed on the stored procedure call statement.

User Response: Verify the table name on the %REPORT block with the tables listed on the stored procedure call statement.

DTWQ024E Net.Data encountered multiple %REPORT blocks in function *<function_name>* where at least one %REPORT block specified a table name and another did not

Explanation: For multiple %REPORT blocks, if the first %REPORT block specifies a table name, then the rest must also. If the first %REPORT block does not specify a table name, then none of the blocks should specify a table name.

User Response: Verify that all of the %REPORT blocks in the function have table names, or that none do

DTWQ025I Net.Data is unable to create a temporary file for a LOB.

Explanation: Net.Data failed to create a temporary file in the tmplobs subdirectory of the directory specified by HTML_PATH.

User Response: Ensure that HTML_PATH is set in the Net.Data initialization file, and ensure there is a tmplobs directory in HTML_PATH and that Net.Data has authorization to create files in that directory.

DTWQ026I Net.Data is unable to open a temporary file for a LOB.

Explanation: Net.Data failed to open a temporary file in the tmplobs subdirectory of the directory specified by HTML_PATH.

User Response: Ensure that HTML_PATH is set in the Net.Data initialization file, and ensure there is a tmplobs directory in HTML_PATH and that Net.Data has authorization to create files in that directory.

DTWQ027I Net.Data is unable to get data from the LOB

Explanation: The GetData call from the database server failed to return the data for this LOB column.

User Response: Please check the access to the database for this particular LOB column.

DTWQ028I Net.Data detected that the maximum number of result sets has been exceeded.

Explanation: The maximum number of result sets that the macro can process at one time is 32.

User Response: Rewrite the macro so that it processes no more than 32 result sets at a time.

DTWQ029I Net.Data encountered an empty result set.

Explanation: An empty result set was returned

User Response: No action necessary. To suppress this message, use the MESSAGE block to capture SQLCODE 100 and return nothing.

DTWQ030I Net.Data needs data for execution.

Explanation: This is an internal error.

User Response: Please contact Net.Data service and report this error.

DTWQ031I Net.Data encountered an error storing a Web page in the cache;
SQLCODE='<sqlcode>',
SQLSTATE='<sqlstate>'

Explanation: Net.Data failed to store a cached Web page into DB2 with the specified SQLCODE and SQLSTATE.

User Response: Reference the given SQLCODE and SQLSTATE with the DB2 Messages book and correct the problem.

DTWQ032I Net.Data encountered an error retrieving a Web page from the cache;
SQLCODE='<sqlcode>',
SQLSTATE='<sqlstate>'

Explanation: Net.Data failed to retrieve a cached Web page from DB2 with the specified SQLCODE and SQLSTATE.

User Response: Reference the given SQLCODE and SQLSTATE with the DB2 Messages book and correct the problem.

DTWQ033I Net.Data encountered an error attempting automatic cache management; SQLCODE='<sqlcode>',
SQLSTATE='<sqlstate>'

Explanation: Net.Data failed to perform automatic cache management, encountering the specified SQLCODE and SQLSTATE.

User Response: Reference the given SQLCODE and SQLSTATE with the DB2 Messages book and correct the problem, or remove the DTW_CACHE_MANAGEMENT_INTERVAL configuration variable from the initialization file.

DTWR000I Net.Data is unable to access the Oracle message for SQL code <sql_code_value>,
<additional_information>.

Explanation: Net.Data was unable to access the specified Oracle message. The Oracle environment may not be set correctly or the error message file cannot be accessed.

User Response: Correct the specified error and try again. Contact your Oracle administrator for assistance.

DTWR001E The DTW_ORA language environment does not support multiple result sets

Explanation: The DTW_ORA language environment does not support multiple result sets.

User Response: Remove any SQL statements from DTW_ORA language environment function blocks that generate multiple result sets.

DTWU000E Net.Data is unable to get the environment variable from the server through the API: <variable_name>.

Explanation: Net.Data is unable to get the environment variable from the server through the API. Check your server's configuration file to make sure that you enabled the Net.Data API plug-in correctly.

User Response: When you run Net.Data in the API plug-in mode, you must specify it correctly in server's configuration file. Please refer to the "Administration and Programming Guide" and try again.

DTWU001I Net.Data is unable to allocate the memory space from the Netscape Server through the NSAPI.

Explanation: When you run Net.Data in the NSAPI plug-in mode, Net.Data allocates the memory through the memory management routine of the NSAPI from the Netscape server. The server is unable to allocate more memory space to Net.Data.

User Response: Stop the server and restart it.

DTWU003E Net.Data is unable to get the environment variable from the server through the API.

Explanation: Net.Data is unable to get the environment variable from the server through the API. Check your server's configuration file to make sure that you enabled the Net.Data API plug-in correctly.

User Response: When you run Net.Data in the API plug-in mode, you must specify it correctly in server's configuration file. Please refer to the "Administration and Programming Guide" and try again.

DTWV000E The Net.Data macro servlet detected an invalid macro name.

Explanation: The Net.Data macro servlet macro name specified is either null, blank, or missing. The Net.Data macro servlet requires that a valid, fully qualified Net.Data macro name be specified.

User Response: Specify a valid macro name using the <MACRO> parameter and try again.

DTWV001E The Net.Data macro servlet detected an invalid HTML or XML block name.

Explanation: The HTML or XML block name specified in the Net.Data macro servlet is either null or blank. The Net.Data macro servlet requires a valid HTML or XML block name to execute in the specified Net.Data macro.

User Response: Specify a valid HTML or XML block name in the specified Net.Data macro using the <BLOCK> parameter and try again.

DTWV007E The Net.Data function servlet detected an invalid language environment.

Explanation: The Net.Data function servlet language environment specified is either null, blank, or missing. The Net.Data function servlet requires that a valid Net.Data language environment be specified.

User Response: Specify a valid language environment using the `<LANGENV>` parameter and try again.

DTWV008E The Net.Data function servlet detected an invalid function name or SQL statement or stored procedure name.

Explanation: The Net.Data function servlet function name or SQL statement or stored procedure name specified is either null, blank, or missing. The Net.Data function servlet requires that a valid function name or SQL statement or stored procedure name be specified.

User Response: Specify either a valid function name using the `<FUNC>` parameter or a valid SQL statement/stored procedure name using the `<SQL>` parameter and try again.

DTWV011E The Net.Data servlet detected an invalid HTML path.

Explanation: The Net.Data servlet HTML path specified is either null, blank, or missing. The Net.Data servlet requires that a valid, fully-qualified Web server HTML path be specified (such as: "e:\ibmwww\html").

User Response: Specify a valid HTML path using the `<HTMLPATH>` parameter and try again.

DTWV012E The output buffer passed to Net.Data by Net.Commerce or the Net.Data macro servlet native method is too small. Pass in a bigger buffer.

Explanation: Net.Data has encountered an internal failure. This is a Net.Data internal error.

User Response: Report the problem to your system administrator.

DTWX000E The Net.Data REXX language environment encountered an error executing the REXX statement

Explanation: An invalid REXX statement was found in the DTW_REXX inline function or in the external REXX script.

User Response: Verify that all REXX statement in the DTW_REXX inline function or in the external REXX script are valid.

DTWX001E The Net.Data REXX language environment encountered an error processing the result file.

Explanation: Net.Data detected an unexpected token in the result file, which was generated by DTWGENOU module.

User Response: Please report this error to your system administrator.

DTWX002I The Net.Data REXX language environment encountered an error when establishing an OpenEdition MVS REXX environment.

Explanation: Net.Data could not fetch the module BPXWRBLD to create an OE MVS REXX environment.

User Response: Verify that the module BPXWRBLD is available in your environment.

DTWX003I The Net.Data REXX language environment encountered an error when creating an OpenEdition MVS REXX environment: return_code=<return_code>.

Explanation: Net.Data could not create an OpenEdition MVS REXX environment.

User Response: Please report this error to your system administrator.

DTWX004I The Net.Data REXX language environment was unable to allocate memory for the function.

Explanation: Net.Data could not allocate memory for all REXX variables. There are too many variables in the DTW_REXX inline function or in the external REXX script.

User Response: Please report this error to your system administrator.

DTWY000I Net.Data is unable to access the Sybase message for SQL code <sql_code_value>, <additional_information>.

Explanation: Net.Data was unable to access the specified Sybase message. The Sybase environment may not be set correctly or the error message file cannot be accessed.

User Response: Correct the specified error and try again. Contact your Sybase administrator for assistance.

DTWY001E The DTW_SYB language environment does not support multiple result sets

Explanation: The DTW_SYB language environment does not support multiple result sets.

User Response: Remove any SQL statements from DTW_SYB language environment function blocks that generate multiple result sets.

DTWZ000I Access to the macro file has been forbidden because it does not appear in the ACL file.

Explanation: The macro file is not listed in the ACL file and therefore access has been forbidden.

User Response: Add the file to ACL file and try again.

DTWZ001I Authentication has failed for user <user_name>.

Explanation: Authentication has failed for the specified user because the user ID or password are incorrect.

User Response: Specify a valid user ID and password and try again.

DTWZ002I ACL file does not grant the necessary rights to access the macro file: ACL file: <ACL_name>, macro file: <macro_name>, user ID: <user_ID>, host IP address: <ip_address>, host name: <host_name>, HTTP-method: <method>, HTML or XML block name: <block_name>.

Explanation: Authentication has failed for the specified macro file, section, and user.

User Response: Correct the error and try again.

DTWZ003I Net.Data is unable to process the ACL file <file_name>.

Explanation: Net.Data was unable to process the specified file because the file does not appear to be in the correct format.

User Response: Ensure the specified file exists and that it is in the correct format.

DTWZ004I Net.Data has detected an invalid MACRO_PATH.

Explanation: The Net.Data db2www.ini file contains an invalid or missing MACRO_PATH statement.

User Response: Specify a valid MACRO_PATH and try again.

Chapter 2. Return Codes

This section describes the codes returned from Net.Data functions. The return code and its help information is provided as follows:

[-]nnnn

Explanation: Text explaining what occurred.

User Response: The action you can take to appropriately handle the return code.

A return code can be positive or negative:

Positive return codes

Indicates an error within the function, such as syntax, invalid values, or a system error.

Negative return codes

Indicates an internal Net.Data error.

-1002

Explanation: A call to an internal function failed. This is a Net.Data internal error.

User Response: Report the problem to your software service representative.

-1001

Explanation: The server could not process a Net.Data request to allocate memory.

User Response: Ensure the server has enough memory available.

1000

Explanation: The function requested on a function call is not a supported Net.Data built-in function.

User Response: Ensure the specified call to the built-in function doesn't have any typographical errors. Refer to the *Net.Data Reference* for a list of the supported built-in functions.

1001

Explanation: An input parameter contained a NULL value.

User Response: Ensure the parameters are defined and not NULL before they are passed to the function.

1002

Explanation: An input parameter contained a string value which consisted of the null-terminating character.

User Response: Ensure the specified parameter does not contain a NULL value.

1003

Explanation: An incorrect number of parameters were passed on a function call.

User Response: Check the function syntax and ensure you pass all the required parameters and no more than the maximum specified.

1004

Explanation: A parameter passed on a function call, required to be a Net.Data macro table variable, was of a different variable type.

User Response: Ensure the variable is defined as a TABLE variable in a DEFINE statement or block.

1005

Explanation: A parameter passed on a function call, required to be a string variable, was of a different variable type.

User Response: Ensure the variable is defined as a string variable in a DEFINE statement or block.

1006

Explanation: A literal string was passed on a function call for a parameter which was required to be an output parameter.

User Response: Do not specify any input values for

output parameters. The parameter type might need to be changed to INOUT.

1007

Explanation: A parameter contains a value which is not valid. One of these conditions exists:

- A value was passed which exceeded the maximum supported value.
- A value was passed which was less than the minimum supported value.
- A value was passed which was not one of the supported choices.
- A table row or column value was passed which was less than or equal to zero.

User Response: Ensure that the value is not out of range or invalid.

1008

Explanation: A parameter is outside of table bounds. One of these conditions exists:

- A program attempted to modify a table's row or column value, but the row or column value received was less than 0 or greater than the maximum number of rows allowed in the table.
- A row or column value was received as input to a built-in function, but the value received was less than 0 or greater than the current number of rows or columns in the table.

User Response: Ensure the specified value is not less than 0 or greater than the current number of rows in the table.

1009

Explanation: The syntax of the data returned by a System or Perl program is not in the correct Net.Data string format. One of these conditions exists:

- An equal sign was not found.
- A beginning quote was not found.
- An ending quote was not found.
- A space separator between values was not found.

User Response: Check the data returned by the function for syntax errors and modify the script accordingly.

1010

Explanation: Not all of the requested data could be returned. A table was specified as an output parameter, but the number of rows of data returned by the language environment was greater than the maximum number of rows allowed for the table. Data was written to the table until it was full, and the remainder of the data was discarded.

User Response: You can ignore the discarded data, or increase the table size and run the function again.

2000

Explanation: A flat file interface built-in function could not find the specified file.

User Response: Ensure the file is in a path specified by the FFI_PATH statement in the initialization file.

2001

Explanation: A flat file interface built-in function could not open the specified file because it was in use by this or another process, and could not be shared in the specified mode.

User Response: Ensure another process has not locked the file.

2002

Explanation: A flat file interface built-in function could not close the specified file because it was not opened by this macro invocation.

User Response: The file must be closed by the macro that opened it. Changes made could be lost.

2003

Explanation: A flat file interface built-in function could not read a row of data into a table variable because the number of bytes in the row exceeded the maximum supported number of bytes.

User Response: The table is too large for Net.Data to handle.

2004

Explanation: A flat file interface built-in function was attempting to find a file, but encountered a path in the FFI_PATH configuration file variable that was longer than the maximum supported number of bytes, which is 4095.

User Response: Shorten the FFI_PATH statement to only those directories Net.Data needs for the current application.

2005

Explanation: A call to a system function failed. This is an internal error reported to Net.Data that may require user interaction or it may be a temporary system error that is not appropriate for Net.Data to handle. If this problem persists, report the problem to your software service representative.

User Response: Check your configuration and try again. If problems persist, report the problem to your

software service representative.

2006

Explanation: A flat file interface built-in function could not access the specified file because it was in use by this or another process and could not be shared in the specified mode.

User Response: End the process using the file and try again. Consider specifying a RETRY value to automatically retry if the file is in use when the function is called.

3001

Explanation: A Web registry built-in function could not create a Web registry because the specified registry already exists.

User Response: Use another name for the Web registry.

3002

Explanation: A Web registry built-in function could not delete the specified registry. One of these conditions exists:

- The registry was in use by another process.
- The registry could not be found.

User Response: If the registry is in use by another process, try after the process has closed.

3003

Explanation: A Web registry built-in function could not add an entry to the specified registry because the specified entry already exists.

User Response: Duplicate entries cannot be made in a Web registry. Modify the entry and resubmit the function, or use the existing entry.

3004

Explanation: A Web registry built-in function could not remove or retrieve an entry from the specified registry because the specified entry does not exist.

User Response: Net.Data cannot find the requested registry entry.

3005

Explanation: A Web registry built-in function could not use the specified registry because it cannot be found.

User Response: Create the registry if it does not already exist.

3006

Explanation: A Web registry built-in function could not create the specified registry because a path in the registry name does not exist.

User Response: Specify a path when you create the registry.

3007

Explanation: A Web registry built-in function could not complete the specified operation because the requestor does not have the proper authority to the specified registry.

User Response: Change the security parameter in your Web registry functions to authorize the operation.

3008

Explanation: A Web registry built-in function could not create the specified registry for unknown reasons.

User Response: Check your configuration and try again.

4000

Explanation: A parameter contains an invalid whole number value. One of these conditions exists:

- An input parameter contained a value which was not a whole number.
- An input parameter contained a value which was greater than the supported maximum of 999,999,999.
- An output cannot be expressed as a whole number.

User Response: Ensure that the value is not out of range or invalid.

4001

Explanation: A parameter contains an invalid number value. One of these conditions exists:

- An input parameter contained a value which was not a valid format for a number.
- An input parameter contained a value which specified an exponent outside the supported range of -999,999,999 to +999,999,999.

User Response: Ensure that the value is not out of range or invalid.

4002

Explanation: The result of an arithmetic operation had an exponent that was outside the supported range of -999,999,999 to +999,999,999.

User Response: Ensure that the value is within the supported range.

5000

Explanation: The string specified in the EXEC statement of a function block contained only space characters.

User Response: Specify a string that is not all space characters.

6000

Explanation: A EXEC statement was not specified in the function block for the function being called.

User Response: Add the EXEC statement in the FUNCTION block.

6100

Explanation: The path in EXEC block not valid or the EXEC block is missing.

User Response: Ensure that an EXEC block is specified and that the path specified in the EXEC block references a program object.

6101

Explanation: Incorrect attributes for the data type were specified or Net.Data does not support the data type.

User Response: Correct the parameter that is in error by using one of the following methods:

- If precision and scale were specified, ensure that scale is less or equal to precision.
 - If precision or scale was specified, ensure that the precision or scale is allowed for the data type and that the specified value is within the allowed range.
 - If data type is DTWTABLE, ensure that the parameter value is a Net.Data table.
 - Ensure that the specified data type is one that is supported.
-

6102

Explanation: A data conversion error occurred when data was converted from displayable format to internal format or from internal format to displayable format.

User Response: Ensure that the data specified is compatible with the data type of the parameter.

7000

Explanation: Net.Data is unable to connect to the specified SMTP server.

User Response: Make sure that you have specified the correct hostname or IP number. An SMTP server must be running on port 25 on the specified host.

7001

Explanation: An SMTP error occurred while Net.Data tried to relay the e-mail message to the specified SMTP server.

User Response: Make sure that you call DTW_SENDMAIL with valid parameters.

7002

Explanation: The specified SMTP server does not support the Extended Simple Mail Transfer Protocol (ESMTP). Net.Data cannot relay e-mail messages that contain 8-bit characters (such as non-U.S. ASCII characters) to an SMTP server that supports only 7-bit characters (such as U.S. ASCII).

User Response: Either specify an SMTP server that supports ESMTP (8BITMIME) or do not use 8-bit characters in your e-mail messages.

8000

Explanation: The cookie cannot be found. One of the following conditions exists:

- The cookie has never been set.
- The cookie has expired.
- The cookie does not have an expiration date and is not persistent; the Web browser that received the cookie exited or was killed.
- The cookie was set with a secure option, and the current HTTP request was sent over an insecure channel.
- The Web browser did not accept cookies or it did not execute JavaScript programs at the time when the set cookie request was submitted.
- The cookie has been deleted by the Web browser; the number of cookies exceeds the limitations of the browser. The limitations are described in Netscape's specification at:

http://search.netscape.com/newsref/std/cookie_spec.html.

User Response: Determine the reason why the cookie cannot be found and correct the situation.

8201

Explanation: A persistent built-in function was called out of sequence.

User Response: Ensure that the persistent built-in functions are correct and in sequence. For example, you cannot have a call to DTW_ACCEPT() followed by a call to DTW_TERMINATE(). To learn about the proper sequence of persistent built-in functions, see the persistent macro chapter in the *Net.Data Administration and Programming Guide for OS/400*.

8202

Explanation: Persistence could not be enabled. The attempt to define a static variable failed because text prior to the variable has been written to stdout.

User Response: Ensure that persistence is enabled by defining the static variable before writing text to stdout.

8200

Explanation: Macro persistence is not enabled. A call was made to a built-in function that requires macro persistence to be enabled.

User Response: Enable persistence within the macro or remove the function call. Refer to the *Net.Data Administration and Programming Guide for OS/400* for information on enabling persistent macros.

Chapter 3. Trace Messages

If your version of Net.Data provides logging facilities, you can trace Net.Data's activities. Tracing is useful for debugging your macro applications. For more information about configuring Net.Data for tracing see the *Net.Data Administration and Programming Guide*.

This section describes the messages that can be logged when the trace facility is turned on.

DTWB500I **Function** *<func_name>*: the size of all IN/INOUT parameters is *<size>*, and the number of OUT/INOUT parameters is *<num>*

Explanation: Net.Data counted the specified number of parameters, totaling up the allocation size in the specified function.

User Response: None

DTWB501I **Function** *<func_name>*: allocating the parameter buffer with the size *<size>*

Explanation: Internal message for IBM use.

User Response: None

DTWB502I **Function** *<func_name>*: COBOL program set return code as *<return_code>*

Explanation: Internal message for IBM use.

User Response: None

DTWF500I **Net.Data invoked using CGI**

Explanation: Net.Data was invoked as a CGI application.

User Response: None

DTWF501I **Net.Data invoked using ICAPI or GWAPI**

Explanation: Net.Data was invoked as an ICAPI or GWAPI application.

User Response: None

DTWF502I **Net.Data invoked as a servlet**

Explanation: Net.Data was invoked as a servlet.

User Response: None

DTWF503I **Net.Data invoked using Net.Commerce**

Explanation: Net.Data was invoked through Net.Commerce.

User Response: None

DTWF504I **Searching** *<path_config_var>* for *<file_name>* and found file *<fully_qualified_filename>*

Explanation: Net.Data is searching the specified path configuration variable for the specified file, and found the resulting file.

User Response: None

DTWF505I **The number of open files:** *<num>*

Explanation: Net.Data currently has the specified number of files open.

User Response: None

DTWF506I **Number of days before expiration:** *<days>*

Explanation: This version of Net.Data will expire in the specified number of days.

User Response: None

DTWF507I **PATH_TRANSLATED:** *<path_name>*

Explanation: Internal message for IBM use.

User Response: None

DTWF508I **PATH_INFO:** *<path_name>*

Explanation: Internal message for IBM use.

User Response: None

DTWF509I **SCRIPT_NAME:** *<name>*

Explanation: Internal message for IBM use.

User Response: None

| | |
|-----------------------|-------------------------------|
| DTWF510I | CONTENT_TYPE: <type> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|---------------------------------|
| DTWF511I | CONTENT_LENGTH: <length> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|-------------------------------|
| DTWF512I | QUERY_STRING: <string> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|--------------------------------|
| DTWF513I | SERVER_PORT: <port_num> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|---------------------------------|
| DTWF514I | REQUEST_METHOD: <method> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWF515I | Initializing language environment <LE_name> |
| Explanation: | Net.Data is setting up the specified language environment. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWF516I | Cleaning up language environment <LE_name> |
| Explanation: | Net.Data is cleaning up the specified language environment. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWF517I | Invoking language environment <LE_name>, for function <func_name> |
| Explanation: | Net.Data is invoking the specified language environment for the specified function. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWF518I | Returning from processing language environment <LE_name> |
| Explanation: | Net.Data has returned from the specified language environment after processing the function call. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWF519I | Creating Language Environment <LE_name>; DLLname =<dll_name>, parameters =<parm_list> |
| Explanation: | Net.Data is creating the specified language environment using the specified DLL name and parameter list. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWF520I | Creating new function, name =<func_name> |
| Explanation: | Net.Data is creating a function with the specified name. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWF521I | Creating new table variable, name =<var_name> |
| Explanation: | Net.Data is adding a table variable with the specified name. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWF522I | Creating new variable, name =<var_name> |
| Explanation: | Net.Data is adding a new variable with the specified name. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWF523I | Looking up <name> |
| Explanation: | Net.Data is attempting to look up a variable or function with the specified name. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWF524I | Found variable <var_name> |
| Explanation: | Net.Data found a variable with the specified name. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWF525I | Found table variable <var_name> |
| Explanation: | Net.Data found a table variable with the specified name. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWF526I | Found function <var_name> |
| Explanation: | Net.Data found a function with the specified name. |
| User Response: | None |

DTWF527I Setting up parameter list with <num> parameters

Explanation: Net.Data is setting up the parameter list for a function call with the specified number of parameters.

User Response: None

DTWF528I Adding parameter, name=<parm_name>, value=<parm_value>

Explanation: Net.Data is adding a parameter to the function call parameter list with the specified name and value.

User Response: None

DTWF529I Adding table parameter, name=<parm_name>

Explanation: Net.Data is adding a table parameter to the function call parameter list with the specified name.

User Response: None

DTWF530I Adding parameter, value=<parm_value>

Explanation: Net.Data is adding a parameter to the function call parameter list with the specified value.

User Response: None

DTWF531I Adding OUT parameter, name=<parm_name>

Explanation: Net.Data is adding an output parameter to the function call parameter list with the specified name.

User Response: None

DTWF532I Updating output parameter <parm_name>, with new value <parm_value>

Explanation: Net.Data is setting the specified output parameter to the new specified value.

User Response: None

DTWF533I Searching MESSAGE block for <message_code>

Explanation: Net.Data is searching a MESSAGE block for the specified return code or SQLSTATE.

User Response: None

DTWF534I Found an exact SQLSTATE MESSAGE block match

Explanation: Net.Data found a matching SQLSTATE in the MESSAGE block.

User Response: None

DTWF535I Found an exact MESSAGE block match

Explanation: Net.Data found a matching return code in the MESSAGE block.

User Response: None

DTWF536I Found a default MESSAGE block message"

Explanation: Net.Data did not find a match in the message block and is using the default MESSAGE block message instead.

User Response: None

DTWF537I No MESSAGE block matches

Explanation: Net.Data did not find any message in the MESSAGE block to match the return code or SQLSTATE.

User Response: None

DTWF538I Adding MESSAGE block entry for <return_code>

Explanation: Net.Data is adding a MESSAGE block entry for the specified return code.

User Response: None

DTWF539I Adding SQLSTATE MESSAGE block entry for <sqlstate>

Explanation: Net.Data is adding a MESSAGE block entry for the specified SQLSTATE.

User Response: None

DTWF540I Adding default MESSAGE block entry

Explanation: Net.Data is adding a default MESSAGE block entry.

User Response: None

DTWF541I Resolving a <var_type> variable reference

Explanation: Net.Data is resolving a variable reference of the specified variable type.

User Response: None

DTWF542I Variable resolved to value <var_value>

Explanation: Net.Data resolved the variable to the specified value.

User Response: None

DTWF543I Creating a <var_type> variable

Explanation: Net.Data is creating a variable of the specified type.

User Response: None

DTWF544I Processing REPORT block header

Explanation: Net.Data is processing the header of the REPORT block.

User Response: None

DTWF545I Processing REPORT block footer

Explanation: Net.Data is processing the footer of the REPORT block.

User Response: None

DTWF546I Processing row <row_num> of ROW block

Explanation: Net.Data is processing the specified row number of the ROW block.

User Response: None

DTWF547I Setting up report processing variables

Explanation: Internal message for IBM use.

User Response: None

DTWF548I Printing a default report

Explanation: Net.Data is printing a default report.

User Response: None

**DTWF549I Beginning execution for function
<func_name>**

Explanation: Net.Data is starting the function call for the specified function.

User Response: None

DTWF550I Enabling default reporting

Explanation: Net.Data detected that DTW_DEFAULT_REPORT is set to YES and no REPORT block exists, so default reporting is enabled.

User Response: None

DTWF551I Limiting result sets to <num> rows

Explanation: Net.Data has detected a limit on the current table variable, or RPT_MAX_ROWS is set to a value greater than zero, and is limiting the number of rows returned to the specified number.

User Response: None

**DTWF552I Function call ended for <func_name>,
return value is <return_val>**

Explanation: Net.Data has finished processing the specified function call and is returning the specified value.

User Response: None

**DTWF553I Retrieving next row from the language
environment**

Explanation: Net.Data is retrieving the next row from the language environment.

User Response: None

**DTWF554I <number> rows returned from the
language environment**

Explanation: Net.Data has returned the specified number of rows from the language environment

User Response: None

DTWF555I Defining function <func_name>

Explanation: Net.Data is defining the specified function.

User Response: None

**DTWF556I Defining MACRO_FUNCTION
<func_name>**

Explanation: Net.Data is defining the specified MACRO_FUNCTION.

User Response: None

**DTWF557I Function call <func_name> is a built-in
function**

Explanation: The current function call is for a built-in function.

User Response: None

**DTWF558I Function call <func_name> is a
MACRO_FUNCTION**

Explanation: The current function call is for a MACRO_FUNCTION function.

User Response: None

DTWF559I **Caching macro** *<macro_name>*

Explanation: Net.Data will be caching the specified macro.

User Response: None

DTWF560I **Using pre-processed macro**
<macro_name>

Explanation: Net.Data found the specified macro in the cache and is using the pre-processed version.

User Response: None

DTWF561I **Adding macro** *<macro_name>* **to the cache**

Explanation: Net.Data is adding the pre-processed version of the specified macro to the cache.

User Response: None

DTWF562I **Caching Web page for macro**
<macro_name>

Explanation: Net.Data will cache the Web page for the specified macro.

User Response: None

DTWF563I **Using cached Web page for macro**
<macro_name>

Explanation: Net.Data has found the Web page for the specified macro in the cache and is sending the cached page.

User Response: None

DTWF564I **Adding Web page for macro**
<macro_name> **to the cache**

Explanation: Net.Data is adding the Web page for the specified macro to the cache.

User Response: None

DTWF565I **Processing** *<config_var_name>*
configuration variable: path *<path_value>*

Explanation: Net.Data is processing the specified path for either DTW_CACHE_MACRO or DTW_DO_NOT_CACHE_MACRO.

User Response: None

DTWF566I **Processing DTW_CACHE_PAGE directive: key** *<key>*, **age** *<age>* **seconds, and usage scope** *<scope>*

Explanation: Net.Data has detected a DTW_CACHE_PAGE directive with the specified key, age, and usage scope.

User Response: None

DTWF567I **Unable to locate the SQL Language Environment; Web page caching disabled**

Explanation: Net.Data cannot find the SQL Language Environment and is unable to perform any Web page caching.

User Response: None

DTWF568I **Configuration variable** *<var_name>* **set with value** *<var_value>*

Explanation: Net.Data has detected the specified configuration variable and is setting it to the specified value.

User Response: None

DTWF569I **The number of characters read from input stream was** *<num_chars>*

Explanation: Internal message for IBM use.

User Response: None

DTWF570I **Form-data boundary is**
'<boundary_string>'

Explanation: Internal message for IBM use.

User Response: None

DTWF571I **Line** *<line_num>*, **found the boundary, saving file** *'<filename>'*

Explanation: Internal message for IBM use.

User Response: None

DTWF572I **Line** *<line_num>*, **the content-type is**
'<content_type>'

Explanation: Internal message for IBM use.

User Response: None

DTWF573I **Line** *<line_num>*, **the content-disposition is** *'<content_disposition>'*

Explanation: Internal message for IBM use.

User Response: None

DTWF574I **Processing of the file upload input stream completed**

Explanation: Internal message for IBM use.

User Response: None

DTWF575I Found form variable, the name is
'<form_name>' and its value is
'<form_value>'

Explanation: Internal message for IBM use.

User Response: None

DTWF576I The unique id of the request is
<unique_id>

Explanation: Internal message for IBM use.

User Response: None

DTWF577I Parsing of the Net.Data initialization
file db2www.ini completed

Explanation: Net.Data has completed processing of
the initialization file.

User Response: None

DTWF578I Updating table variable '<table_name>'
<in_scope>

Explanation: Net.Data is replacing the given table
variable in the specified scope.

User Response: None

DTWF579I Updating variable '<var_name>'
<in_scope>

Explanation: Net.Data is replacing the given variable
in the specified scope.

User Response: None

DTWF580I Reference is a <var_type> variable

Explanation: Net.Data is referencing a variable of the
given type

User Response: None

DTWF581I Flushing buffer: <output buffer>

Explanation: Net.Data is sending the specified
contents to the Web server.

User Response: None

DTWF582I Modified the SQL statement with
<num_parms> parameter markers

Explanation: Net.Data replaced all variable references
and function calls within the SQL statement with
parameter markers for using host variables.

User Response: None

DTWF583I MESSAGE block action specified
'<action>'

Explanation: Net.Data will perform the action
specified based on the MESSAGE block processing of
the return code.

User Response: None

DTWF584I Net.Data invoked using FastCGI

Explanation: Net.Data was invoked through the
FastCGI interface.

User Response: None

DTWF585I Creating new variable <in_scope>,
name='<var_name>', value='<var_value>'

Explanation: Net.Data is adding a new variable with
the specified name using the specified scope, with the
value listed.

User Response: None

DTWF586I Updating variable '<var_name>'
<in_scope>, with the value '<var_value>'

Explanation: Net.Data is replacing the given variable
with the specified value, in the specified scope.

User Response: None

DTWI500I Function <func_name>: importing flat
file data into Net.Data table

Explanation: Net.Data is importing the contents of a
flat file into a Net.Data table variable.

User Response: None

DTWI501I Function <func_name>: exporting
Net.Data table data to flat file

Explanation: Net.Data is exporting the contents of a
Net.Data table to a flat file.

User Response: None

DTWI503I Function <func_name>: deleting entries
in the open file handle table

Explanation: Internal message for IBM use.

User Response: None

DTWI504I Function <func_name>: splitting the file
name into path and file name

Explanation: Internal message for IBM use.

User Response: None

DTWI505I **Function** <func_name>: parsing
 FFI_PATH

Explanation: Internal message for IBM use.

User Response: None

DTWI506I **Function** <func_name>: deleting file
 <file_name>

Explanation: Internal message for IBM use.

User Response: None

DTWI507I **Function** DTWF_READFILE: the size of
 the file '<filename>' is <filesize>

Explanation: Internal message for IBM use.

User Response: None

DTWJ500I **Function** <func_name>: applet name is
 <applet_name>

Explanation: The Java Applet Language Environment
detected the specified applet name.

User Response: None

DTWJ501I **Function** <func_name>: applet tag
 attribute <attribute_name> found with
 value <attribute_value>

Explanation: The Java Applet Language Environment
detected an applet tag attribute with the specified name
and value

User Response: None

DTWJ502I **Function** <func_name>:
 DTW_APPLET_ALTTEXT found with
 value <alt_text>

Explanation: The Java Applet Language Environment
detected the variable DTW_APPLET_ALTTEXT with
the specified alternate text.

User Response: None

DTWL500I **Function** <func_name> called in the <LE>
 Language Environment

Explanation: A function has been called in the
specified language environment.

User Response: None

DTWL501I **Function** <func_name>: parameter
 <parm_num>, name=<parm_name>,
 value=<parm_value>

Explanation: In the specified function, the current
parameter has the specified name and value.

User Response: None

DTWL502I **Function** <func_name>: parameter
 <parm_num> is a table variable named
 <parm_name>

Explanation: In the specified function, the current
parameter is a table variable with the specified name.

User Response: None

DTWL503I **Function** <func_name>: parameter
 <parm_num> is an <usage> parameter

Explanation: In the specified function, the current
parameter has the specified usage type (IN, OUT, or
INOUT).

User Response: None

DTWL504I **Function** <func_name>: output parameter
 <parm_name> now set to value
 <parm_value>

Explanation: In the specified function, the current
output parameter has been set to the new specified
value.

User Response: None

DTWL505I **Function** <func_name> was successful

Explanation: The current function call was successful

User Response: None

DTWL506I **Function** <func_name> failed with return
 code <return_code>

Explanation: The current function call failed with the
specified return code.

User Response: None

DTWL507I **Function** <func_name>: executing inline
 <language> statements:\n<statements>

Explanation: Net.Data is invoking the specified
interpreter with the specified inline language
statements.

User Response: None

DTWL508I **Function** <func_name>: table parameter
 has <num_rows> rows and <num_cols>
 columns

Explanation: Internal message for IBM use.

User Response: None

DTWL509I **Function** *<func_name>*: name of column *<colnum>* is '*<colname>*'

Explanation: Internal message for IBM use.

User Response: None

DTWL510I **Function** *<func_name>*: the field value at row *<rownum>*, column *<colnum>* is '*<field_value>*'

Explanation: Internal message for IBM use.

User Response: None

DTWL511I **Function** *<func_name>*: the number of rows returned from the program is *<num_rows>*

Explanation: Internal message for IBM use.

User Response: None

DTWL512I **Function** *<func_name>*: the number of columns returned from the program is *<num_cols>*

Explanation: Internal message for IBM use.

User Response: None

DTWL513I **Function** *<func_name>*: table column name was set to an empty value

Explanation: Internal message for IBM use.

User Response: None

DTWL514I **Function** *<func_name>*: table field value was set to an empty value

Explanation: Internal message for IBM use.

User Response: None

DTWL515I **Function** *<func_name>*: the field value at row *<row_num>*, column *<col_num>*, now set to value '*<table_value>*'

Explanation: Internal message for IBM use.

User Response: None

DTWL516I **Built-in function** '%s' called

Explanation: The specified built-in function was invoked.

User Response: None

DTWL517I **Function** DTW_SENDMAIL: sendmail command failed with return code *<return_code>*

Explanation: Net.Data executed the UNIX sendmail command and it failed with the specified return code.

User Response: None

DTWL518I **Function** DTW_SENDMAIL: contents of the sendmail input file: *<file_contents>*

Explanation: Internal message for IBM use.

User Response: None

DTWP500I **Parsing macro** *<macro_name>*

Explanation: Net.Data is beginning to parse the specified macro.

User Response: None

DTWP501I **Parsing of macro** *<macro_name>* completed

Explanation: Net.Data has completed parsing the specified macro.

User Response: None

DTWP502I **Parsing query string or form data**

Explanation: Net.Data is parsing either the query string or form data.

User Response: None

DTWP503I **Parsing pre-processed macro** *<macro_name>*

Explanation: Net.Data is parsing a pre-processed (cached) version of the specified macro.

User Response: None

DTWP506I **In function** yyparse(), the token ID *<num>* with token value *<value>* returned from lexxy

Explanation: Internal message for IBM use.

User Response: None

DTWP507I **Calling function** add_to_alias_table to add a string_var_list to the alias table

Explanation: Internal message for IBM use.

User Response: None

DTWP508I Calling function `add_to_alias_table` to add a D2W_Table object to the alias table

Explanation: Internal message for IBM use.

User Response: None

DTWP509I Calling function `add_to_alias_table` to add a function object to the alias table

Explanation: Internal message for IBM use.

User Response: None

DTWP510I Calling function `add_to_alias_table` to add an environment variable object to the alias table

Explanation: Internal message for IBM use.

User Response: None

DTWP511I Pre-processing macro `<macro_name>` and saving the results

Explanation: Net.Data is pre-processing the specified macro for the macro cache.

User Response: None

DTWP512I Parsing and pre-processing the INCLUDE file `<name>` in macro `<macro_name>`

Explanation: Net.Data is pre-processing the specified INCLUDE for the macro cache, while parsing the specified macro.

User Response: None

DTWP513I Parsing and pre-processing the INCLUDE file `<name>` completed

Explanation: Net.Data has completed pre-processing and parsing the specified INCLUDE file and is storing it to the macro cache.

User Response: None

DTWP514I Parsing the INCLUDE_URL file `<name>` in macro `<macro_name>`

Explanation: Net.Data is parsing the specified INCLUDE_URL directive from the specified macro.

User Response: None

DTWP515I Parsing the INCLUDE_URL file `<name>` completed

Explanation: Net.Data has completed parsing the specified INCLUDE_URL directive.

User Response: None

DTWP516I Calling function `add_token` to add token ID `<num>` and token value `<value>`

Explanation: Internal message for IBM use.

User Response: None

DTWP517I Parsing INCLUDE_URL file `<name>` from the remote server `<server_name>`

Explanation: Net.Data is retrieving the specified INCLUDE_URL file from a remote Web server.

User Response: None

DTWP518I Parsing INCLUDE_URL file `<name>` from the local server

Explanation: Net.Data is retrieving the specified INCLUDE_URL file from the local Web server.

User Response: None

DTWP519I Parsing Direct Request with query string `<name>`

Explanation: Net.Data is parsing a Direct Request in the specified query string.

User Response: None

DTWP520I Executing Direct Request

Explanation: Net.Data is executing a Direct Request.

User Response: None

DTWQ500I Function `<func_name>`: returning result set starting at row `<num>`

Explanation: Net.Data detected START_ROW_NUM, and is returning result sets starting at the specified row number.

User Response: None

DTWQ501I Function `<func_name>`: calculating TOTAL_ROWS

Explanation: DTW_SET_TOTAL_ROWS is set to YES and Net.Data is calculating the value of the TOTAL_ROWS table processing variable.

User Response: None

DTWQ502I Function `<func_name>`: TOTAL_ROWS is `<number>`

Explanation: Net.Data has set the table processing variable, TOTAL_ROWS, to the specified number.

User Response: None

DTWQ503I **Establishing a connection to the database**

Explanation: Net.Data is connecting to the database.

User Response: None

DTWQ504I **Reusing an existing connection to the database**

Explanation: Net.Data detected that a connection exists and is reusing the connection.

User Response: None

DTWQ505I **Connection established with
SSID=<subsystem_id>, plan=<planname>,
and userID=<userid>**

Explanation: Net.Data established a connection to the database using the specified subsystem ID, plan name, and user ID.

User Response: None

DTWQ506I **Connection established with
SSID=<subsystem_id> and
userID=<userid>**

Explanation: Net.Data established a connection to an ODBC database with the specified subsystem ID and user ID.

User Response: None

DTWQ507I **Function <func_name>: calling stored
procedure <proc_name>**

Explanation: Net.Data is calling the specified stored procedure

User Response: None

DTWQ508I **Function <func_name>: executing SQL
statement <SQL_statement>**

Explanation: Net.Data is executing the specified SQL statement.

User Response: None

DTWQ509I **Function <func_name>: no result sets
returned**

Explanation: Net.Data detected that no result sets were returned from the query or stored procedure call.

User Response: None

DTWQ510I **Function <func_name>: <num> result sets
returned**

Explanation: Net.Data received specified number of result sets from stored procedure call.

User Response: None

DTWQ511I **Function <func_name>: one or more
result sets returned**

Explanation: Net.Data detected that at least one result set was returned from the query or stored procedure call.

User Response: None

DTWQ512I **Function <func_name>: request for result
set <set_name> (result set <set_num>)**

Explanation: Net.Data detected a request for the result set identified by the specified set name (which is in the specified position).

User Response: None

DTWQ513I **Function <func_name>: request for result
set <set_num>**

Explanation: Net.Data detected a request for the result set in the position specified.

User Response: None

DTWQ514I **Function <func_name>: storing result set
<set_num> for later**

Explanation: Internal message for IBM use.

User Response: None

DTWQ515I **Function <func_name>: fetching next row
from result set**

Explanation: Net.Data is fetching the next row from the current result set.

User Response: None

DTWQ516I **Function <func_name>: issuing a
COMMIT**

Explanation: Net.Data is issuing a COMMIT to the database.

User Response: None

DTWQ517I **Function <func_name>: issuing a
ROLLBACK**

Explanation: Net.Data is issuing a ROLLBACK to the database.

User Response: None

DTWQ518I Disconnecting from the database

Explanation: Net.Data is disconnecting from the database.

User Response: None

**DTWQ519I Function <func_name>: created LOB file
<file_name>**

Explanation: Net.Data retrieved a large object from the database and stored it in the specified file.

User Response: None

**DTWQ520I Function <func_name>: retrieved row
with values:\n<row>**

Explanation: Net.Data retrieved the specified row from the database.

User Response: None

**DTWQ521I An error occurred storing a Web page in
the cache; SQLCODE=<sqlcode>,
SQLSTATE=<sqlstate>**

Explanation: Net.Data encountered an error with the resulting SQLCODE and SQLSTATE, while attempting to store a Web page in the cache.

User Response: None

**DTWQ522I An error occurred retrieving a Web page
from the cache; SQLCODE=<sqlcode>,
SQLSTATE=<sqlstate>**

Explanation: Net.Data encountered an error with the resulting SQLCODE and SQLSTATE, while attempting to retrieve a Web page from the cache.

User Response: None

**DTWQ523I An error occurred attempting automatic
cache management;
SQLCODE=<sqlcode>,
SQLSTATE=<sqlstate>**

Explanation: Net.Data encountered an error with the resulting SQLCODE and SQLSTATE, while attempting automatic cache management.

User Response: None

**DTWQ524I Function <func_name>: connection reuse
returned with return code <return_code>,
action code 0x<action_code>, connection
handle at 0x<con_addr>, for subsystem
<subsystem_id>, plan <planname>, using
user ID <userid>**

Explanation: Internal message for IBM use.

User Response: None

**DTWQ525I Function <func_name>: SQLCA at
0x<sqlca_addr> contains SQLCODE
<sqlcode>**

Explanation: Internal message for IBM use.

User Response: None

**DTWQ526I Loading CLI initialization file
<file_name>**

Explanation: Net.Data is loading the specified CLI initialization file.

User Response: None

DTWQ527I Using the default CLI initialization file

Explanation: Net.Data did not see that DSNAOINI defined and is connecting to the database through the default CLI initialization file

User Response: None

DTWQ528I Using SQL LE built with DB2 Version 5

Explanation: Net.Data is using the SQL Language Environment that was built for

User Response: None

DTWQ529I Using SQL LE built with DB2 Version 6

Explanation: Net.Data is using the SQL Language Environment that was built for

User Response: None

**DTWQ530I Function <func_name>: binding
<num_parms> as input to the SQL
statement**

Explanation: Net.Data is assigning the specified number of host variables to the SQL statment.

User Response: None

**DTWS500I Function <func_name>: executing
external program <program_name>**

Explanation: The System or Perl Language Environment is invoking the specified external program.

User Response: None

**DTWS501I Function <func_name>: name of file
containing output parameters from the
program to the <LE> Language
Environment: <file_name>**

Explanation: Internal message for IBM use.

User Response: None

| | |
|-----------------------|--|
| DTWS502I | Function <i><func_name></i> : contents of the output parameters file:\n <i><output></i> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

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|-----------------------|--|
| DTWS503I | Function <i><func_name></i> : name of file containing the standard output: <i><file_name></i> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

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|-----------------------|---|
| DTWS504I | Function <i><func_name></i> : contents of the standard output:\n <i><output></i> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

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|-----------------------|---|
| DTWS505I | Function <i><func_name></i> : name of script file that invokes the program: <i><file_name></i> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWS506I | Function <i><func_name></i> : contents of the invoking script:\n <i><script></i> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWS507I | Function <i><func_name></i> : setting environment variable for input parameter |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWS508I | Function <i><func_name></i> : getting an output parameter name: <i><parm_name></i> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWS509I | Function <i><func_name></i> : getting an output parameter value: <i><parm_value></i> |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

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|-----------------------|---|
| DTWX500I | Function <i><func_name></i> : executing external REXX exec <i><exec_name></i> with command argument list <i><arg_list></i> |
| Explanation: | Net.Data is executing the specified external REXX exec, with the specified argument list. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWX502I | Function <i><func_name></i> : creating REXX environment |
| Explanation: | Net.Data is creating a REXX environment for the REXX interpreter. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWX503I | Function <i><func_name></i> : calling REXX interpreter to process REXX exec |
| Explanation: | Net.Data is invoking the REXX interpreter to process the current REXX exec. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWX504I | Function <i><func_name></i> : processing of REXX exec completed |
| Explanation: | The REXX interpreter has completed processing of the REXX exec. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWX505I | Function <i><func_name></i> : REXX environment terminated |
| Explanation: | Net.Data has terminated the REXX environment for the REXX interpreter. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWX506I | Function <i><func_name></i> : processing parameter list |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|---|
| DTWX507I | Function <i><func_name></i> : processing REXX exec header and footer |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

| | |
|-----------------------|--|
| DTWX508I | Function <i><func_name></i> : pre-loading REXX exec |
| Explanation: | Internal message for IBM use. |
| User Response: | None |

DTWX509I **Function** *<func_name>*: **processing error**
 message with return code *<return_code>*

Explanation: Internal message for IBM use.

User Response: None

Net.Data Technical Library

The Net.Data Technical Library is available from the Net.Data Web site at
<http://www.ibm.com/software/data/net.data/library.html>

| Document | Description |
|---|---|
| <ul style="list-style-type: none">• <i>Net.Data Administration and Programming Guide for OS/390</i>• <i>Net.Data Administration and Programming Guide for OS/2, Windows NT, and UNIX</i>• <i>Net.Data Administration and Programming Guide for OS/400</i> | Contains conceptual and task information about installing, configuring, and invoking Net.Data. Also describes how to write Net.Data macros, use Net.Data performance techniques, use Net.Data language environments, manage connections, and use Net.Data logging and traces for trouble shooting and performance tuning. |
| <i>Net.Data Reference</i> | Describes the Net.Data macro language, variables, and built-in functions. |
| <i>Net.Data Language Environment Interface Reference</i> | Describes the Net.Data language environment interface. |
| <i>Net.Data Messages and Codes Reference</i> | Lists Net.Data error messages and return codes. |

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