



IBM Software Group

IBM WebSphere® Data Interchange V3.3

The PERFORM statement and its options



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Agenda

- Overview
- Example
- Command Groups
- Hints and Tips
- Summary

Overview

The WebSphere Data Interchange Utility command language consists of PERFORM statements with WHERE clauses, and SELECTING clauses.

It is represented in the text as follows:

```
PERFORM SAMPLE-COMMAND  
  SELECTING SAMPLE-KEYWORD(value)  
  WHERE SAMPLE-KEYWORD(value)
```

Overview

- The PERFORM statement can be specified in batch using the SYSIN statement, or passed in the Utility Control block if invoked via the Utility API.
- Multiple WHERE clauses can be specified, with each identifying a new set of criteria.
- The SELECTING clause is used with a few statements to limit the selected data to be processed
- PERFORM statements can be stacked within the command input file



Overview

Example of PERFORM with multiple WHERE clauses
Each WHERE translates data from a different dataset

PERFORM TRANSFORM

```
WHERE SYNTAX(E) INFILE(CUST1)
      OUTFILE(ADFOUT) CLEARFILE(Y)
      DICTIONARY(UNTDI931)
WHERE SYNTAX(E) INFILE(CUST2)
      OUTFILE(ADFOUT) CLEARFILE(Y)
      DICTIONARY(UNTDI931)
```

Overview

- Each PERFORM command has a specific function which is tailored according to the keyword values associated with the PERFORM
- A list of all PERFORM commands and keywords is documented in the WDI Utility Commands and File Formats Reference manual

Example

TRANSFORM command

You can use this command to translate data in any format to any other format defined in your WebSphere Data Interchange system. This command uses data transformation maps to translate the data.

Syntax

TRANSFORM

CLEARFILE(clear specified file contents)
DICTIONARY(input dictionary name)
DOCUMENT(input data document name)
IFCC(override condition codes)
INFILE(input data file name)
INTYPE(input data file type)
MAPID(map name)
OUTFILE(output data file name)
OUTLEN(maximum output record length)
OUTTYPE(output data file type)
SETCC(condition codes)
SYNTAX(input data syntax type)
TRACELEVEL(trace level)
XMLEBCDIC(EBDCDIC indicator)
XMLVALIDATE(XML validation indicator)
XMLDTS(XML DTD path)

Typical
command and
options
available

TRANSFORM command example

Transform the MQSeries queue file PURCH1 and output the results in file PURCHTRN.

```
PERFORM TRANSFORM
```

```
WHERE INFILE(PURCH1)INTYPE(MQ)SYNTAX(X)OUTFILE(PURCHTRN)
```



Command Groups

Command Groups are:

- Event Log Maintenance
- Document Store Maintenance
- Document Store Replay
- Document Store Extracts
- Management Reporting
- Reports, via the PRINT command
- Export / Import
- Profile Maintenance
- Translation commands

Command Groups

Event Log Maintenance Group:

PERFORM
LOAD LOG ENTRIES
UNLOAD LOG ENTRIES
REMOVE LOG ENTRIES

Command Groups

Document Store Maintenance Group:

PERFORM

HOLD

RELEASE

PURGE

UNPURGE

REMOVE TRANSACTIONS

UPDATE STATUS

PROCESS NETWORK ACKS

CLOSE MAILBOX (CICS only)

Command Groups

Document Store Replay Group:

PERFORM

- RECONSTRUCT
- RECONSTRUCT AND SEND
- REENVELOPE
- REENVELOPE AND SEND
- RESTART SEND
- RETRANSLATE TO APPLICATION
- RESTART RECEIVE

Command Groups

Document Store Extracts Group:

PERFORM

ENVELOPE DATA EXTRACT

TRANSACTION DATA EXTRACT

Command Groups

Management Reporting Group:

PERFORM

REMOVE STATISTICS

RESET STATISTICS

UPDATE STATISTICS

NETWORK ACTIVITY DATA EXTRACT

TRADING PARTNER PROFILE DATA EXTRACT

TRADING PARTNER CAPABILITY DATA EXTRACT

TRANSACTION ACTIVITY DATA EXTRACT

Command Groups

Reports Group:

PERFORM

- QUERY
- PRINT
- PRINT ACKNOWLEDGMENT IMAGE
- PRINT ACTIVITY SUMMARY
- PRINT EVENT LOG
- PRINT STATUS SUMMARY
- PRINT STATUS SUMMARY2
- PRINT TRANSACTION DETAILS
- PRINT TRANSACTION IMAGE

Command Groups

Export / Import Group:

PERFORM
EXPORT
IMPORT

Command Groups

Profile Maintenance Group:

PERFORM
DELETE PROFILE
QUERY PROFILE

Command Groups

Translation without transmission Group:

PERFORM

- DEENVELOPE
- DEENVELOPE AND TRANSLATE
- TRANSLATE TO APPLICATION
- ENVELOPE
- TRANSLATE AND ENVELOPE
- TRANSLATE TO STANDARD
- TRANSFORM

Command Groups

Translation with transmission Group:

PERFORM

- PROCESS
- RECEIVE
- RECEIVE AND DEENVELOPE
- RECEIVE AND PROCESS
- RECEIVE AND SEND
- RECEIVE AND TRANSLATE
- RCVFILE
- ENVELOPE AND SEND
- RCVFILE AND SEND
- SEND
- SENDFILE
- TRANSLATE AND SEND

Hints and Tips

- Some keywords are optional
- Where a default value is documented, the keyword need not be specified
- Valid keywords that are not valid for the specific PERFORM command are ignored
- Invalid keywords are flagged as error and halt the processing

Summary

- The PERFORM statement identifies the function that is to be executed
- Keywords provide parameters and parameter values to the command
- PERFORM commands can be “stacked” in the command input file
- WHERE clauses can be stacked within a PERFORM statement

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