



PciRoute Product Overview

Overview

PciRoute selectively extracts data from most PC file formats and performs an upload to the iSeries. The data source may be located anywhere on your network, on an external FTP site or an incoming email and transferred to:

- The iSeries to create, append, replace or update file(s).
- Other PC formats.
- FTP sites and network locations.

All aspects of the data extraction process, from pre processing through to post processing, are configurable through the creation or modification of a PciRoute Script.

The technical architecture of the product provides for automated, reliable data extraction combined with rapid data transfer.

Input Formats

Data may be extracted from the following formats:

Excel worksheets, Access, SQL Server and Oracle database tables, Text and CSV files, and HTML and XML documents.

The data can be located anywhere on a network, within an email, optionally as an attachment, or stored on an FTP site.

The product can also parse incoming emails.

Output Formats

Data may be output to the following formats:

iSeries database or the IFS, Excel worksheets, Access, SQL Server and Oracle database tables, CSV and Text files, or HTML or XML document.

The data can be transferred to a PC location on the network, to the iSeries database or IFS, or to an FTP site.

Creating PciRoute Scripts

Scripts are the means by which data extracts and file transfers are processed. The



PciRoute Script Generator program prompts for details of the source data, the fields to transfer, any record filtering and sorting that may be required and the layout and type of the target file to be created. Advanced features allow for text files to be split into separate fields and for overriding field separator characters.

Running Scripts

There are a number of ways a script or script group may be executed:

- On request, from the Script Generator or from a desktop icon.
- Scheduled using the PciRoute Scheduler.
- Via a command line

Scripts may also be triggered by an external event:

- The arrival of an email.
- The arrival of a file in a network folder.
- Through the auto retrieval and processing of files from FTP sites.
- An iSeries remote command.
- A RouteOne post processing command.

Pre and Post Processing Options

Pre Processing options may be specified to run automatically prior to the data extraction whilst Post Processing options occur immediately after. This processing may be a macro for Excel or Access, a DTS package or stored procedure for SQL Server, or any executable or batch file. Additionally, Post Processing also allows for an iSeries command to be issued if the data upload is successful. This may, for example, be a call to an interface program to populate existing applications.

Email

Email messages may automatically be generated, detailing information about the extract that has been processed and may optionally include attachments. If required, these messages may be sent only when there is a script failure. Emailing is available for Outlook, Lotus or any MAPI compliant system.

iSeries Processing and Security

FTP is used to transfer the data to the iSeries. The data is automatically converted to a physical file or multiple files, records may be created, replaced, appended or updated.

Controls are provided to prevent unauthorized users from transferring data to the iSeries. Authorization may also be specified at library and file level, preventing the unauthorized creation or replacement of files.

PciRoute in Conjunction with RouteOne

When transferring data from the iSeries with the RouteOne module an option is provided to automatically generate the script details for returning the data. The script is accessible through PciRoute Script Generator for execution and modification and contains all the relevant information relating to the iSeries file.