

## PATHFINDER OPTIONS WHICH DO NOT REQUIRE PRE-BUILT X-REF

The fact that X-ref has not yet been built does not mean that PATHFINDER cannot be used. Many options in PATHFINDER do not require pre-built X-ref in order to execute. These options are “REAL TIME” options, which can be executed as soon as PATHFINDER is installed on your system. These options include:

**Field X-ref By Program (DSPPGMX)** -- Field X-ref Menu, Option 4.

Field X-ref By Program shows all field names (external, internal, and work fields) used by a program.

**File Set (DSPFILSET)** -- File Analysis Menu, Option 1.

A file set is a group of related physical and logical files. File Set shows all physical and logical files related to the selected file(s). This analysis allows you to determine if a required logical already exists, or if you need to create one.

**Format Set (DSPFMTSET)** -- File Analysis Menu, Option 2.

Format Set will show related files having the same format name. There are three ways files can be part of the same format set: (1) A dependent logical or based-on physical with the same format name. (2) A file created via the CRTDUPOBJ command. (3) A file created via the CPYF command.

**Access Set (DSPACCSET)** -- File Analysis Menu, Option 3.

Access Set shows related physical and logical files which are sharing an access path.

**File Layout (DSPFILLO)** -- File Analysis Menu, Option 4.

File Layout shows the detail layout of the fields defined for the specified database file.

**Key Fields (DSPFILKEY)** -- File Analysis Menu, Option 5.

Key Fields provides a list of a database file's key fields.

**Select/Omits (DSPFILSO)** -- File Analysis Menu, Option 6.

Select/Omits shows the criteria for selecting or omitting records in a specified logical file.

**Join Fields (DSPFILJOIN)** -- File Analysis Menu, Option 7.

Join fields are the fields used to join two or more files in a join logical file. The fields are common to all files being joined. Join Fields provides all fields used in joining the specified file.

**Member List (DSPFILMBR)** -- File Analysis Menu, Option 8.

Member List provides a list of members for the specified file(s).

**File Structure (PRTFILSTR)** -- File Analysis Menu, Option 9.

File Structure shows a complete file layout including field attributes, key fields, join fields, members, and file set. For logical files, select/omit information is also shown.

**All Options** -- Spacing Chart Menu

PATHFINDER's spacing chart options work directly from program or DDS source code (compiled objects need not exist). Test data is not necessary to test program output. PATHFINDER can generate four types of spacing charts: (1) Spacing charts for printer files internally described in RPG Source ("O" Specs). (2) Spacing charts for printer files internally described in COBOL programs. (3) Spacing charts for externally described printer files in DDS. (4) Spacing charts for display files externally described in DDS source.

**Network Configuration Flow Chart (PRTNETCFG)** -- Added Time Saver Menu, Option 1.

Network Configuration Flow Chart documents the configuration of the CPU, lines, controllers, modems, workstations, and printers. Three reports formats are available. The flow chart report provides a diagram of local and remote devices. The summary report provides a condensed version of the flow chart to assist in determining available device addresses, or making modifications to your network. The grid report provides a matrix of devices attached to local or remote workstation controllers helping you determine to which ports devices are attached and what addresses should be used to attach new devices. The report(s) can be generated for a selected controller, or for the entire iSeries (AS/400, Power Systems, System i) network. PATHFINDER also provides the ability for a Remote Network Configuration. This feature will enable you to generate the Network Configuration Flow Chart for another iSeries CPU not licensed for PATHFINDER.

**Scan Source Member(s)** -- Added Time Saver Menu, Option 2.

Scan Source Member(s) allows you to specify up to 10 character strings of up to 30 characters in length. Source code will be scanned to locate source statements containing these requested character strings. The character strings can be field names, column headings, message IDs, file names, subroutine names, etc. Additionally, Scan Source Member(s) can be used to test for the existence of source members.

**RPG Flow Charts, Indents, etc.** -- Added Time Saver Menu, Option 3.

RPG Flow Charts, Indents, etc, provides five report formats to document RPG source programs: (1) Source listings (including /COPY members) with additional comments added. (2) Indented IF and DO source listing. (3) Program logic flow charts. (4) Indicator/field usage cross reference. (5) Subroutine explosion.

**Mass Compile (CRTOBJ)** -- Added Time Saver Menu, Option 5.

The Mass Compile option allows compilation of a list of files and programs (both OPM and ILE), modules and service programs. Optionally, all programs, modules and service programs that reference the programs and files can also be compiled. Attributes and authorities can be retained or changed. For a file, data can be mapped from the old file to the newly created file. Optionally, all objects can be archived to allow restoration of

original objects. Triggers or referential integrity constraints for files will be automatically replaced after compilation.

There are many methods to identify objects to be compiled:

- Objects specified on the Mass Compile entry panel.
- Dependent logical files of specified physical files.
- Programs, modules and service programs referencing specified objects.
- Programs, modules and service programs added through the Add Programs function of the Mass Compile option.
- Programs and modules added through the Add Source function of the Mass Compile option.
- Objects residing on a specified Compile list.

**Objects Last Used (PRTOBJUSED)** -- Added Time Saver Menu, Option 6.

Objects Last Used allows you to determine the frequency of use for any object. This option prints a list of specified objects and members showing the date last used and number of days since that date. The report also shows the number of days the specified objects and members have been used. PATHFINDER also provides the ability for a Remote Objects Last Used. This feature will enable you to generate the Objects Last Used report for another iSeries (AS/400, Power Systems, System i) CPU not licensed for PATHFINDER.

**Unreferenced Source (PRTSRCNOTU)** -- Added Time Saver Menu, Option 7.

This option match's specified source to specified objects. Any discrepancies are documented on the Unreferenced Source reports. Two reports will be generated by this option. The "Unreferenced Source – by Source" report prints a list of source for which an object can not be located in the specified library(s). An edit is provided when duplicate source is found. The "Unreferenced Source – by Object" report prints a list of objects for which source can not be located in the specified library(s).

**Disk Changes (PRTDSKCHG)** -- Added Time Saver Menu, Option 8.

This option allows you to analyze how your disk space is being used. Through this option a database can be created and saved, detailing disk space used. On subsequent executions of this option, the database can be used for comparison purposes so that changes to disk space usage can be tracked.

**CL Indents (PRTCLSRC)** -- Added Time Saver Menu, Option 9.

This option prints an indented report for the specified CL source member(s). DO statements will be indented for readability with a specified character connecting corresponding DO-ENDDO pairs.

**All Options** -- Security Menu

The Security Menu provides options to evaluate all levels of security on your system. It allows analysis of security system values, user profile security, as well as object and

adopting program security information. The security options allow you to specify use of pre-built data or real-time data. If your security management requires global reporting with frequent generation of numerous security reports, use of pre-built data is recommended. It may not be necessary to build security data if your analysis is restricted to specific users or objects.

For any further information on these or any other PATHFINDER options, please contact our Technical Services department. We can be reached by email at [info.hawkinfo.com](mailto:info.hawkinfo.com) or call us Monday-Thursday, 7 a.m. to 5 p.m. (MST) and Friday 7 a.m. to 3 p.m., VOICE (970) 498-9000 or FAX (970) 498-9096.