

insure/RESOURCES and Query Patroller

- The following chart summarizes the functions available in IBM's Query Patroller product for DB2 UDB (Linux, Unix, and Windows – LUW) and Centerfield Technology's insure/RESOURCES tool for the iSeries.
- As can be seen, the products are very similar in function, but emphasize features that are particular to their unique environments.
- The intent of both products is the same:
 - To allow Database Administrators and System Administrators to regulate the flow and intensity of query activity on the platform
 - To provide a mechanism to track query activity.

Function

Query Patroller

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Policy Definition Options

By user	Yes	Yes
By group	No	Yes
Time of day	No	Yes Users define a work day and policies can be assigned to users/groups for all day or for multiple time periods
By job type	No	Yes Interactive, Batch, or both
By interface	Yes ODBC	Yes ODBC, JDBC, Query/400, STRSQL, RUNSQLSTM, and OPNQRYF

Function

Query Patroller

Policy Triggers

<p>Defined cost limit on a single query</p>	<p>Yes</p>	<p>Yes With up to four user-defined cost thresholds</p>
<p>Total query cost on system</p>	<p>Yes</p>	<p>No</p>
<p>Total number of queries on system</p>	<p>Yes</p>	<p>No</p>
<p>Number of queries per user</p>	<p>Yes</p>	<p>No</p>

Function

Query Patroller

Policy Actions

Prevent use of a query interface by policy	No	Yes for those listed above
Hold queries that exceed threshold	Yes	Yes Through user called program only
Cancel query	Yes	Yes Option to only cancel of system is using more than a specified % of the CPU
Notification	Yes	Yes iSeries message queue
Adjust job priority	Yes	Yes
Parallel degree	No	Yes Important for shops that want to use parallelism but don't want everyone to use it or use it all of the time.
Default priority	Yes	Yes
Default timeslice	No (n/a)	Yes
Default timeslice end pool	No (n/a)	Yes
Change job accounting	Yes	Yes
Conditional logging based on query runtime	No	Yes
Call user written program	No	Yes
Force a joblog to be created	No (n/a)	Yes
Turn on system debug so query optimizer messages are sent to joblog	No (n/a)	Yes

Function

Query Patroller

Audit and Logging

Log errors	Yes	Yes
Log history of managed queries	Yes	Yes
Audit query requests	Yes	Yes
Job accounting	Yes	Yes

Function

Query Patroller

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Reporting

Policy by user	Yes	Yes Shown in configuration screens
Policy by interface	Yes	Yes Shown in configuration screens
Audit query log	Yes	Yes
Resource and job adjustments	No	Yes
Requests by user	Yes	Yes
Hits to a table	Yes	No
Hits to a column	Yes	No
Tables joined	Yes	No
Rows returned by table	Yes	No