IBM DB2 Query Patroller

Installation Guide

Version 6

GC09-2860-00

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Before using this information and the product it supports, be sure to read the general information under “Appendix D. Notices” on page 31.

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Contents

Welcome to DB2 Query Patroller

This Installation Guide will take you through the planning, installation, and setup of the DB2 Query Patroller server and DB2 Query Patroller agents on an AIX or Sun Solaris system, and the installation of Query Patroller clients on Windows 32-bit operating systems.

Conventions

This guide uses these highlighting conventions:

- **Boldface** indicates commands or graphical user interface (GUI) controls such as names of fields, folders, icons, or menu choices.
- *Italics* indicates variables that you should replace with your own value. It is also used to indicate book titles and to emphasize words.
- `Monospace` indicates file names, directory paths, and examples of text you enter exactly as shown.

This icon marks a fast path. A fast path guides you to information specific to your configuration where multiple options are available.

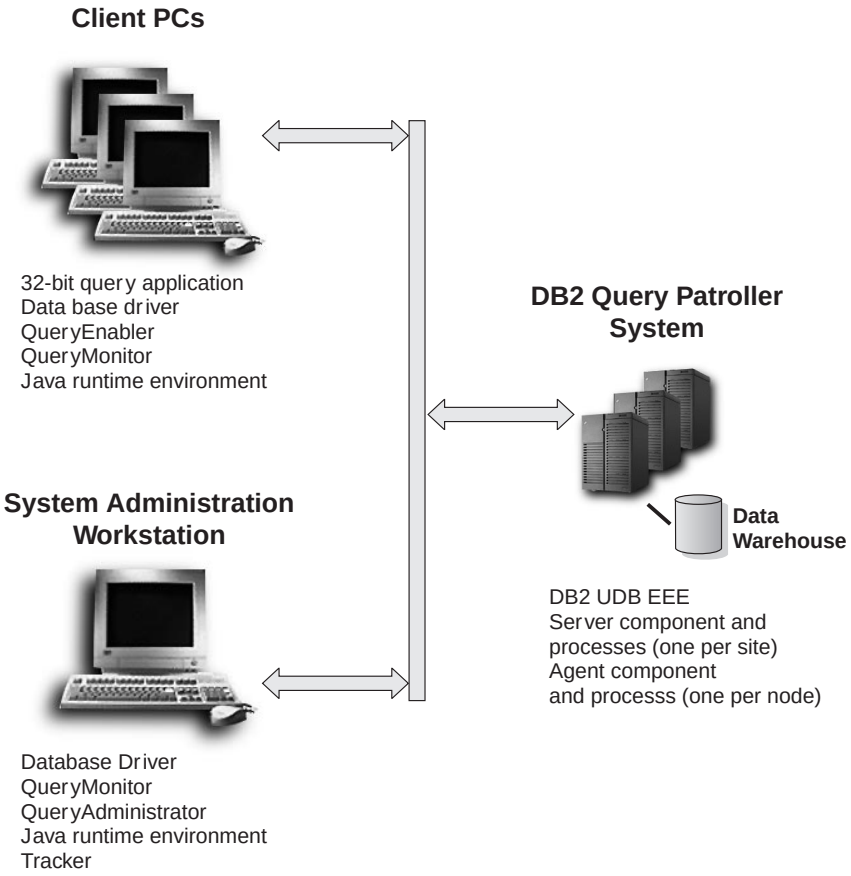
This icon marks a tip. It provides additional information that can help you complete a task.

Chapter 1. System Overview

This chapter provides an overview of the architecture and system requirements for DB2 Query Patroller.

DB2 Query Patroller Architecture

The DB2 Query Patroller system consists of the DB2 Query Patroller server system, the system administrator's workstation, and client PCs. The diagram below illustrates the architecture of the DB2 Query Patroller system.



DB2 Query Patroller Server System

The DB2 Query Patroller server system contains the target data warehouse and the DB2 Query Patroller software to manage queries against the database.

Two DB2 Query Patroller components reside on the DB2 Query Patroller server system:

- **Server**

  The server component executes on a single database node. The server component accepts, analyzes, prioritizes, and schedules database requests and optionally notifies users when their requests complete. The DB2 Query Patroller system requires one and only one DB2 Query Patroller server component per installation of DB2 Query Patroller.
- **Agent**

  The agent component executes on one or more database nodes and processes database requests on behalf of users. On a single-processor or non-clustered SMP machine, the agent and server components run on the same machine. On an MPP machine or clustered SMP machines, the server component runs on one node and the agent may be run on several nodes, including the same node as the server component.

System Administrator's Workstation

Most Windows-based PCs or workstations can serve as the system administrator's workstation.

Two DB2 Query Patroller components are required on the system administrator's workstation:

- **QueryAdministrator**

  QueryAdministrator enables the system administrator to manage the DB2 Query Patroller system parameters, create or delete profiles for DB2 Query Patroller users, manage nodes, job queues, and result destinations.
- **QueryMonitor**

  QueryMonitor provides administrators with the ability to list queries, change status, and drop result sets for any jobs in the DB2 Query Patroller system.

At least one copy of QueryAdministrator must be installed on a system client thereby creating the system administrator's workstation.

Two components are optional for the system administrator's workstation:

- QueryEnabler should be installed on the system administrator's workstation if a 32-bit ODBC query application is used to submit queries from that workstation.

- The Tracker utility should be installed on the administrators work station if the administrator plans to monitor usage history of the database.

Client PCs

Most Windows-based PCs or workstations running a 32-bit open database connectivity-compliant (ODBC-compliant) query application can serve as a client PC in the DB2 Query Patroller system.

The QueryEnabler component is required on each client PC. The QueryMonitor component is optional.

- **QueryEnabler**

  The QueryEnabler intercepts queries submitted by any ODBC-compliant query application and places the queries under the control of the DB2 Query Patroller system.
- **QueryMonitor**

  QueryMonitor provides users with the ability to list queries, change status, and drop result sets for queries they have submitted through the DB2 Query Patroller system.

System Requirements

The following sections list the requirements for the DB2 Query Patroller server system, the system administrator's workstation, and client workstations.

DB2 Query Patroller Server System

The server and agent components of DB2 Query Patroller require the following:

Note: If you are a AIX 4.3.1.0 refer to the Language Requirements appendix to ensure that you have the proper PTFs installed.

Hardware and Operating System:

Table 1. Supported DB2 Query Patroller Server System Platforms

Manufacturer	Platform	Operating System
IBM	AIX	AIX 4.2 or higher
Sun Microsystems	Solaris	Version 2.5.1 or higher

RDBMS: DB2 Universal Database (UDB) Extended Enterprise Edition Version 6.1

Free Disk Space:

Table 2. Required Disk Space on the DB2 Query Patroller Server System

DB2 Query Patrol component	Disk Space (in MB)
DB2 Query Patrol server	5
DB2 Query Patrol agent	1
Total	6

System Administrator's Workstation

The requirements for the QueryAdministrator component of DB2 Query Patroller are listed below. These requirements are based on the DB2 Query Patroller administrative client components only. If you are installing the DB2 Query Patroller administrative client as part of a DB2 Administration Client Installation, refer to *DB2 for UNIX Quick Beginnings* for the DB2 Administration Client system requirements.

Memory (RAM): 16 MB (Windows 95) or 32 MB (Windows 98 and Windows NT 4.0 or higher).

Hardware and Operating System: An Intel 32-bit architecture (IA-32) PC running a Windows 32-bit operating system.

Free Disk Space:

Table 3. Required Disk Space on Client PCs

Component	Disk Space in MB
QueryAdministrator	1
QueryMonitor	1
Tracker	1.6
ODBC support	2
Java Enablement	8.9

Database Driver: QueryAdministrator and QueryMonitor require an IBM DB2 ODBC driver configured to the target database.

Java environment: QueryAdministrator and QueryMonitor require a Java 1.1.7 environment.

Client PCs

The requirements for the QueryEnabler and QueryMonitor components of DB2 Query Patroller are listed below. These requirements are based on DB2 Query Patroller client components only.

Memory (RAM): 16 MB (Windows 95) or 32 MB (Windows 98 and Windows NT 4.0 or higher).

Hardware and Operating System: An Intel 32-bit architecture (IA-32) PC running a Windows 32-bit operating system.

Free Disk Space:

Table 4. Required Disk Space on Client PCs

Component	Disk Space in MB
QueryEnabler	.9
QueryMonitor	1
ODBC support	2
Java Enablement	8.9

32-bit ODBC Query Application: QueryEnabler requires a 32-bit ODBC query application such as Business Objects, or Cognos Impromptu.

Database Driver: QueryEnabler and QueryMonitor require an IBM DB2 ODBC driver configured to the target database.

Java Environment: QueryMonitor requires a JAVA 1.1.7 environment.

Chapter 2. Installing DB2 Query Patroller

This chapter describes how to install DB2 Query Patroller server and agent components.

If you are migrating from a previous version of this product refer to the ″Migration″ appendix for instructions before proceding with installation.

Introduction

Installation of DB2 Query Patroller on a database server system consists of installing the server component on one system node and installing the agent on one or more system nodes.

On a single-processor or symmetric multiprocessing (SMP) system, the server component and agent components run on the same computer. On a massively parallel processing (MPP) system or a cluster of computers, the server component runs on one node and the agent may be run on several nodes, including the DB2 Query Patroller server node.

There are a number of configuration steps required to setup the DB2 Query Patroller server. It is recommended that you use the DB2 Installer (db2setup) program, but if you want to use the operating systems native installation tools, see the ″Manual Installation″ appendix.

Installation Overview

DB2 Query Patroller requires a configured DB2 Universal Database Extended Enterprise Edition (DB2 UDB EEE) instance to work. It is recommended that you first create and set up a DB2 UDB EEE instance to be used with DB2 Query Patroller before you begin installation.

The installer program first checks the node you are installing on for existing DB2 Query Patroller components. If a component is already present on the node, that component will not be available for installation.

Server Installation

You can use the installer program to install the DB2 Query Patroller code and create a new DB2 UDB EEE instance. The configuration of this instance cannot be done using the DB2 Installer program. Refer to the *DB2 Administration Guide* for the necessary configuration steps for a DB2 UDB EEE instance. Once

the instance has been configured, you may use the DB2 Installer to set up the DB2 Query Patroller server, or you can manually set up the server using the **dqpsetup** command (refer to the ″Manual Installation″ appendix for details). Using the DB2 Installer is recommended.

If you are using an existing instance of DB2 UDB EEE, you will be asked to provide information for a database, a nodegroup, and two tablespaces. The installer program will use this information when performing the DB2 Query Patroller server installation tasks listed below. If you are creating a new instance, you will not be prompted for this information.

1. The named database is created if it does not exist.
2. The named nodegroup is created for the database if the nodegroup does not exist.
3. The first tablespace you specified is created in the nodegroup if it does not already exist.
4. The *IWM_RES_TBLSPC* environment variable is updated using the name of the second tablespace you specified.

   Note: The installer does not create this tablespace for you. You must create this tablespace manually.
5. The profiles of the DB2 UDB EEE instance owner are modified.
6. The iwm user is set up to use the same DB2 environment as the DB2 UDB EEE instance owner.
7. A DB2 Query Patroller schema named IWM, and various schema objects are created in the first tablespace.

   Note: If an IWM schema is already present you can choose to use this schema or replace it with a new one.
8. The installation binds the files listed in `db2qp.lst` and `db2qp_sp.lst`. These files are found in `DB2DIR/bnd`.
9. The `/etc/services` file is modified.

Agent Installation

The DB2 Query Patroller agent can be installed on any node used by the DB2 UDB EEE instance. The installer preforms the following tasks when installing an agent component:

1. Installs the DB2 Query Patroller agent code.
2. Modifies the /etc/services file.
3. Sets the environment of the DB2 UDB EEE instance owner and user iwm.

Before You Begin

Before you begin installation, be sure you have the following items and information:

1. Ensure that your system meets all of the memory, hardware, and software requirements to install DB2 Query Patroller. For more information, see "System Requirements" on page 3.
2. Ensure that your system is running DB2 UDB EEE. Also, It is recommended that you have a configured Instance of DB2 UDB EEE.

When you use the DB2 Installer program, you should be aware of the following:

- The DB2 Installer's db2setup command only works with Bourne, and Kourne shells. Other shells are not supported.
- You can generate a trace log, db2setup.trc, to record errors experienced during the installation. Run the db2setup command as follows:

  db2setup -d

  This creates a trace file, /tmp/db2setup.trc.

Step 1: Identify and Record Parameter Values

The Table below will help you determine the values required to install DB2 Query Patroller. Before proceeding with the installation, complete the *Your Value* column in the table. For descriptions of the parameter values see "Parameter Definitions" on page 10.

Table 5. Caption. Description

Information Required for DB2 Installer	**Default Value**	**Your Value**
Instance Name		
Database Name		
Nodegroup Name		
Node Number		
Tablespace Name		
Tablespace Path		
Result Tablespace Name		
TCP/IP Service Name	dqp1	
TCP/IP Port Number	55000	
DMS Tablespace Size		

Parameter Definitions

Instance Name

This is the DB2 UDB EEE instance name you want to set up as the DB2 Query Patroller server. In the installer, this parameter is referred to as the User Name.

Database

Name of the database to be used with the DB2 Query Patroller server.

Nodegroup

Name of the nodegroup that contains the tablespace for the DB2 Query Patroller server.

Node Number

Node number of a single node where the nodegroup is defined.

Tablespace

Name of the DB2 Query Patroller tablespace. The default type is an SMS tablespace. You can use a DMS tablespace by providing a value for the DMS Tablespace Size parameter.

Tablespace Path

Full path name of the DB2 Query Patroller tablespace.

Result Tablespace

This parameter is used to set an environment variable for the DB2 Query Patroller server and for user iwm. Providing this parameter does not create the result tablespace, it only sets up the environment. The system administrator must create this tablespace. DB2 Query Patroller will route results sets to this tablespace.

TCP/IP Service Name

This value should be the same for DB2 Query Patroller server and agent.

TCP/IP Port Number

This value should be the same for DB2 Query Patroller server and agent.

DMS Tablespace Size

The DMS Tablespace Size parameter is optional. Providing a value for this parameter indicates that you want to use a DMS tables space. If you are using a DMS tablespace the path you entered for the tablespace path must be a valid file path. The default is an SMS tablespace.

Step 2: Mount the CD-Rom

To mount DB2 Query Patroller using the DB2 Installer program, you must first mount the CD-ROM. Once you have mounted the CD-ROM, you can start the installation. There are two sets of instructions: **Mounting on AIX Systems** and **Mounting on Solaris Systems**. Choose the appropriate instructions.

Mounting on AIX Systems

To mount the CD-ROM on AIX, perform the following steps:

1. Log in as user with root authority.
2. Insert the CD-ROM in the drive.
3. Create a directory to mount the CD-ROM by entering the command shown below. The variable, `cdrom`, represents the CD-ROM mount directory.

   ```
   mkdir -p /cdrom
   ```
4. Allocate a CD-ROM file system by entering the following command:

   ```
   smitty storage
   ```
5. Select **File Systems**.
6. Select **Add / Change / Show / Delete File Systems**.
7. Select **CDROM File System**.
8. Select **Device Name**.

   Note: Device names for CD-ROM file systems must be unique. If there is a duplicate device name, you may need to delete a previously-defined CD-ROM file system or use another name for your directory.
9. In the pop-up window, enter the following as **mount point**:

   `/cdrom`.
10. Mount the CD-Rom file system by entering the following command:

    `smit mountfs`.
11. Enter a value in the **FILE SYSTEM** name field. For example, the name could be `/dev/cd0`.

12. Enter a value in the **Directory over which to mount** field. For example, this value could be `/cdrom`.
13. Enter a value in the **Type of Filesystem** field. For example, this value could be `cdrfs`.
14. Set the Mount as READ-ONLY system to `Yes`.
15. Click **OK**.
16. Log out.

After mounting the CD-ROM file system, proceed to "Step 3: Installation".

Mounting on Solaris Systems

To mount the CD-ROM on Solaris, perform the following steps:

1. Log in as a user with root authority.
2. If the Volume Manager is not running on your system, enter the following commands to mount the CD-ROM:

   `mkdir -p` */cdrom/unnamed_cdrom*

   `mount -F hsfs -o ro /dev/dsk/c0t6d0s2 /cdrom/unnamed_cdrom` where */cdrom/unnamed_cdrom* represents the CD-ROM mount directory.If the Volume Manager (void) is running on your system, the CD-ROM is automatically mounted as: `/cdrom/unnamed_cdrom`

If you are mounting the CD-ROM drive from a remote system using NFS, the CD-ROM file system on the remote machine must be exported with root access. You must also mount that file system with root access on the local machine.

Step 3: Installation

After you mount the CD-ROM file system, use the DB2 Installer program to install DB2 Query Patroller.

To install DB2 Query Patroller, perform the following steps:

1. Log in as root.
2. Insert the CD-ROM into the drive.
3. Change to the directory where the CD-ROM is mounted by entering the following command:
   - On AIX:

     `cd /cdrom`
   - On Solaris:

     `cd /cdrom/unnamed_cdrom`

where /cdrom is the mount point of the CD-ROM drive on AIX, and /cdrom/unnamed_cdrom is the mount point of the CD-ROM on Solaris.

4. Enter the ./db2setup command to start the DB2 Installer program. The DB2 Installer screen opens.
5. Select **Install** and press the **Enter** key. The Install DB2 V6 screen opens.

   Press the **Tab** key to change the highlighted option and the **Enter** key to select or deselect an option. To go back to a previous window at any time select **Cancel**.
6. On the DB2 Installer screen, select either **DB2 Query Patroller Server** or **DB2 Query Patroller Agent** and select **OK**.

If you are installing the agent component of DB2 Query Patroller, proceed to the section entitled ″Installing the Agent″.

The DB2 Query Patroller set up program checks to see if DB2 Query Patroller components are already installed. If a component is already installed, the installation option for that component will not be available.

Note: Installation of the server component automatically installs an agent component if an agent is not already present.

7. You can designate an existing instance of DB2 UDB EEE as the DB2 Query Patroller server or you can create a new DB2 UDB EEE instance for this purpose. If you do not have an existing instance of DB2 UDB EEE, or you want to create a new DB2 UDB EEE instance, choose **Create New Instance**. Otherwise, select **Use Existing Instance**.
8. Select **OK**.

If you chose **Create New Instance**, skip to the section entitled ″Creating a New DB2 Instance.″

9. The Use Existing Instance screen opens. Fill in the parameter fields with the information you recorded in “Step 1: Identify and Record Parameter Values” on page 9.

   The DMS Tablespace Size parameter is optional. Providing a value for this parameter indicates that you want to use a DMS tablespace. The default is an SMS tablespace.
10. Once you have finished filling in the parameter values, select **OK** to finish the DB2 Query Patroller server installation.

    Note: Once the server has been installed, a result tablespace must be created. Refer to the result tablespace parameter definition in the section entitled “Parameter Definitions” on page 10 for more information.

Creating a New DB2 Instance

1. Following the on-screen instructions, create a new DB2 UDB EEE instance. Refer to the *DB2 Administration Guide* for assistance. Once you have created a new DB2 UDB EEE instance, you must configure the instance before proceeding with the DB2 Query Patroller installation. This cannot be done using the DB2 Installer. Refer to the *DB2 Administration Guide* for instructions on configuring a DB2 UDB EEE instance.
2. Once the new instance has been configured, return to the DB2 Installer. Select **Setup**, then select **OK** to continue.

   Note: An alternative to returning to the DB2 Installer is to continue the install manually by running the **dqpcrt** and **dqpsetup** command. Refer to the ″Manual Installation″ appendix for more information.
3. Select **DB2 Query Patroller server** and select **OK**.
4. Select **Use Existing Instance** and select **OK**.
5. Fill in the parameter fields with the information you recorded in “Step 1: Identify and Record Parameter Values” on page 9. For the **User Name** parameter, provide the name of the DB2 UDB EEE instance you created.

   The DMS Tablespace Size parameter is optional. Providing a value for this parameter indicates that you want to use a DMS tablespace. The default is an SMS tablespace.
6. Once you have finished filling in the parameter values, select **OK** to finish the DB2 Query Patroller server installation.

   Note: Once the server has been installed, a result tablespace must be created. Refer to the result tablespace parameter definition in the section entitled “Parameter Definitions” on page 10 for more information.

Installing the Agent

Before you can install an agent, the server component must be installed. Also, the home directory of the DB2 UDB EEE instance on which the server is installed must be visible to the nodes you want to install the agent on.

Fill in the user name, service name and port number parameter fields with the information you recorded in “Step 1: Identify and Record Parameter Values” on page 9. Select **OK**.

Note: The service name and port number you provide for the agent should be the same as the service name and port number of the DB2 Query Patroller server.

Verifying the Installation

Before performing the installation verification you must do the following:

Set up an instance environment and invoke the DB2 command-line processor. Run the start-up script as follows:

. *INSTHOME*/sqllib/db2profile (for Bourne or Kourne shell)

For a C shell enter: source . *INSTHOME*/sqllib/db2cshrc

. *INSTHOME*/sqllib/dqpprofile (for Bourne or Kourne shell)

For a C shell enter: source . *INSTHOME*/sqllib/dqpcshrc

The . *INSTHOME* variable represents the home directory of the instance.

Perform the following procedure to verify successful software installation:

1. Log in as iwm on the DB2 Query Patroller server node.
2. Enter the following command to start the server and agent components:

   iwm start all

You can also log in on the DB2 Query Patroller server node and execute **iwm start server** and then log in on the agent nodes and execute **iwm start agent**.

3. Enter the following command to submit a query:

   iwm_submit -S "SELECT COUNT(*) FROM ibm.systables"
4. From the same node, enter the following command to check the status of the query:

   iwm_cmd
5. Check e-mail for notification of the query's completion. It may take a few moments for the mail to be sent.
6. To stop the DB2 Query Patroller software, enter the following command:

   iwm stop

If DB2 Query Patroller does not start or the query does not run, look in the $IWMLOG directory. The syserr.log file may contain error messages related to the failed query. The /tmp/db2setup.log file contains a transcript of the installation. The contents of these files may be required by the DB2 Query Patroller support team to diagnose problems.

Chapter 3. Installing DB2 Query Patroller Clients

This section contains information and procedures for installing the DB2 Query Patroller client components on Windows 32-bit operating systems.

Follow the instructions below to install DB2 Query Patroller clients.

1. Insert the installation CD. The setup program initializes.
2. After reading the Welcome screen, click **Next**. The Select Products window opens.
3. Select DB2 Administration Client, and click **Next**. The Select Installation Type window opens.
4. Select one of the following installation options:
   - **Typical Install**

     This option installs the DB2 Query Patroller client (all four DB2 Query Patroller client components) as a part of the DB2 Administration Client installation.
   - **Custom Install**

     This option allows you to select the check boxes of the DB2 client components that you want to install, and clear the check boxes of the DB2 client components that you do not want to install. You can view subcomponents for a component by selecting the component and clicking on the **Details** push button.
5. If you have chosen the **Custom Install** option, and you want to select from the subcomponents of DB2 Query Patroller, select the DB2 Query Patroller Client to highlight it, and click the **Details** push button. Otherwise, follow the setup program's prompts to complete the installation.
6. From the Select Subcomponents window, select the DB2 Query Patroller components you want to install. Refer to the for information in the "Chapter 1. System Overview" on page 1 for information on which components to install for the DB2 Query Patroller administrative and end-user clients. Click **Continue**.

   Note: A DB2 Query Patroller client installation requires the ODBC Support subcomponent, and the Java Enablement subcomponent. When installing the a DB2 Query Patroller client, these two components are selected by default.
7. Follow the setup program's prompts to complete the installation.

Chapter 4. Configuring DB2 Query Patroller Clients

The Query Patroller clients require the following:

- Each user must have an account on the database server system.
- The client machines must have a IBM DB2 ODBC driver installed and configured to the target database.

The QueryAdministrator, QueryMonitor, and Tracker do not require configuration. In the login window, simply provide the user ID, password, and the database alias for the target database.

QueryEnabler

Complete the following procedure to configure QueryEnabler:

1. From the **Start** menu, select **Settings** > **Control Panel**.
2. Double-click the 32-bit ODBC icon. The ODBC Data Source Administrator window displays.
3. Select the **System DSN** tab.
4. Click on **Add**.
5. Double-click on IBM DB2 Query Patroller QueryEnabler Driver in the list of drivers. The DB2 Query Patroller ODBC Driver Setup window displays.
6. Enter information into the following fields:
   - **Data Source Name**: Enter a meaningful name. This is the name of the new data source.
   - **Description**: Enter a description.
   - **Final Data Source**: Select an existing data source from the pull-down list. This must be a DB2 datasource name.
   - Click on **OK** to complete the configuration.
   - Click on **OK** to close the ODBC Data Source Administrator screen.
   - Close the Control Panel.

Testing QueryEnabler Installation

Complete the following procedure to test the QueryEnabler:

1. Run your query application.
2. Open a connection using the QueryEnabler data source.
3. Submit a query.

Either the Schedule Query screen displays if the query has not been submitted before or the Result Set window opens if a matching query exists in the DB2 Query Patroller job table.

Appendix A. Manual Installation

To install DB2 Query Patroller using installp or smit, perform the steps listed below. Refer to “Manual Installation Commands” on page 23 for detailed syntax and parameter information.

Server

1. Set up or create a DB2 UDB EEE instance to use with DB2 Query Patroller.
2. Add an entry in the `etc/services` file to be used with the DB2 Query Patroller server. For example, `dqp1 55000/TCP`.
3. Create a user named iwm if one does not exist already.
4. Install the appropriate filesets.
   a. Mount the CD.
   b. Go to the `/cdrom/db2` directory
   c. For AIX, use `smit` to install the following filesets for the DB2 Query Patroller server:
      - `db2_06_01.srv`
      - `db2_06_01.agt`
      - `db2_06_01.qlic`
   d. For Query Patroller Agent on AIX install: `db2_06_01.agt`.
   e. For Solaris, use `pkgadd` to install the following packages for the DB2 Query Patroller server:
      - `db2dqps61`
      - `db2dqpa61`
      - `db2qlic61`
   f. For a DB2 Query Patroller agent on Solaris install: `db2dqpa61`.
5. If you have installed the server set up the license as follows:
6. Add the user iwm to the primary group for the DB2 EEE instance owner. This will give the iwm user SYSADM authority over the instance.
7. Add the following lines to the `.profile` file of the iwm user. The *INSTHOME* variable is the home directory of the DB2 Query Patroller server instance.

   . *INSTHOME*`/sqllib/db2profile`

   . *INSTHOME*`/sqllib/dqpprofile`

   Note: If a C shell is being used, add source `/sqllib/db2cshrc` and source `/sqllib/dqpcshr` to the `.login` file.

8. Log on as root, and run the following command:

   dqpcrt -s -p *port_name instance_name*

   The *port_name* variable is the port name you used in step 2. *instance_name* is the name of the DB2 UDB EEE instance. Refer to"Manual Installation Commands" on page 23 for detailed syntax and parameter information.

   Note: To remove an instance you can run the **dqpdrop** *instance_name* command. Refer to the Commands section for detailed syntax and parameter information. You can only run this command on the node where the server is set up.

9. Log on as the instance name. Run the following command:

   dqpsetup -D *database_name* -g *nodegroup_name* -n *node_number* -t *tablespace_name* -r *result_tablespace_name* -l *tablespace_path*

   Refer to "Manual Installation Commands" on page 23 for detailed syntax and parameter information.

10. Use the db2licm command to register DB2 Query Patroller. See the *DB2 Command Reference* for further information.

Agent

1. Create a user named iwm if one does not already exist.
2. Add the user iwm to the primary group for the DB2 EEE instance owner. This will give the iwm user SYSADM authority over the instance.
3. Add the following lines to the .profile file of the iwm user. The INSTHOME variable is the home directory of the DB2 Query Patroller server instance.

   . *INSTHOME*/sqllib/db2profile

   . *INSTHOME*/sqllib/dqpprofile

   Note: If a C shell is being used add source /sqllib/db2cshrc source /sqllib/dqpcshr to the .login file.

4. The same DB2 EEE instance used for the DB2 Query Patroller server must be set up for this node. To find out the name of the DB2 UDB EEE instance being used by the DB2 Query Patroller server, you can run the **dqplist** command on the DB2 Query Patroller server node. Refer to "Manual Installation Commands" on page 23 for detailed syntax and parameter information.
5. Add an entry to the /etc/services file. This entry must be the same as the entry made in the etc/services file for the server installation.
6. Log on as root and enter the following command:

   dqpcrt -a -p *port_name instance_name*

Refer to “Manual Installation Commands” for detailed syntax and parameter information.

Creating the Query Patroller Schema and Binding the Application Bind Files

To manually create the DB2 Query Patroller schema and bind all the application bind files perform the following steps:

1. Create the DB2 tablespace that will be used for the DB2 Query Patroller schema.
2. Use the program `db2_qp_schema` in the DB2 bin directory to create the schema. This program will use the script file `iwm_schema.sql` as input. `db2_qp_schema` supports either syntax:

   `db2_qp_schema` <*schema_input_filename*> <*database_alias*> <*user*> <*password*> <*querypatroller_tablespace*>

   `db2_qp_schema` <*schema_input_filename*> <*database_alias*> <*querypatroller_tablespace*>
3. Bind the DB2 Query Patroller server bind files using the bind file list file `db2qp.lst` in the DB2 `bnd` directory. After connecting to the database, issue the DB2 CLP command:

   ```
   db2 bind @db2qp.lst blocking all grant public
   ```
4. Run the following command:

   ```
   db2 bind iwmsx001.bnd isolation ur blocking all grant public insert buf datetime iso
   ```
5. Bind the DB2 Query Patroller stored procedure bind files using the bind file list file `db2qp_sp.lst` in the DB2 `bnd` directory. After connecting to the database, issue the DB2 CLP command:

   ```
   db2 bind @db2qp_sp.lst blocking all
   ```
6. Create a tablespace for the DB2 Query Patroller result tables.

Manual Installation Commands

dqpcrt

This command is used to allocate a node on the DB2 UDB EEE system as a DB2 Query Patroller server or agent. The port name to be used with the DB2 Query Patroller instance, and the name of the DB2 UDB EEE instance designated as the DB2 Query Patroller server, are required parameters. Syntax:

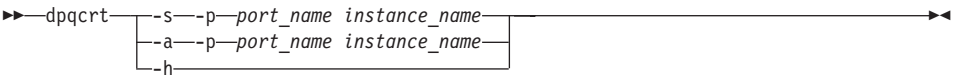
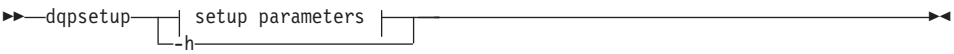


Table 6. dqpcrt Command Parameters

Parameter	Description
-s	Used to create a DB2 Query Patroller server on the named DB2 UDB EEE instance.
-a	Used to create a DB2 Query Patroller agent on the named DB2 UDB EEE instance.
port_name	Identifies the port name to be used with the DB2 Query Patroller server or agent.
instance_name	Identifies the name of the DB2 UDB EEE instance that is to designated as a DB2 Query Patroller server instance.
-h	Displays command usage information.

dqpsetup

This command is used to set the parameters for the DB2 Query Patroller server. The *size_DMS* parameter and the -o flag are optional. The -o flag can be used to remove schema objects from a previously installed version of this product. Syntax:



setup parameters:

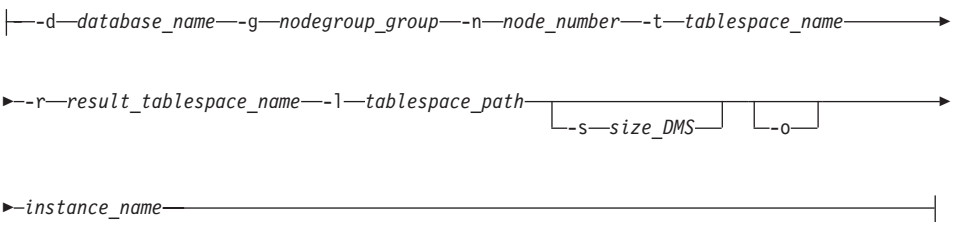


Table 7. dqpsetup Command Parameters

Parameter	Description
-d *database_name*	Name of the database to be used with the DB2 Query Patroller server.
-g *nodegroup_name*	Name of the nodegroup that contains the tablespace for the DB2 Query Patroller server.
-n *node_number*	Node number of a single node where the nodegroup is defined.
-t *tablespace_name*	Name of the DB2 Query Patroller tablespace. The default type is an SMS tablespace.
-r *result_tablespace_name*	Name of the Result Table Space to be used
-l *tablespace_path*	Full path name of the tablespace.
-s *size_DMS*	Size of the DMS tablespace. Use the -s flag to specify the size for the DMS tablespace. This parameter is optional and only specified if a DMS tablespace is to be used. The default is an SMS tablespace.
-o	Overwrites any existing DB2 Query Patroller schema objects. This parameter is optional.
instance_name	Name of the DB2 UDB EEE instance that is to be designated as a DB2 Query Patroller server.
-h	Displays command usage information.

dqplist

This command is used to find the name of the DB2 UDB EEE instance being used as the DB2 Query Patroller server. It can only be run from the node where the DB2 Query Patroller server was created. Syntax:

The **-h** flag displays command usage information.

dqpdrop

This command is used to drop an existing DB2 Query Patroller server instance. This command can only be run from the node where the DB2 Query Patroller server was created. Syntax:

The **-h** flag provides usage information. The *instance_name* parameter is the name of the DB2 Query Patroller instance that you want to drop.

Appendix B. Migration

This appendix provides information and procedures for migrating from the previous version of this product (Information Warehouse Manager).

Server Migration

- An existing schema may be used with DB2 Query Patroller, or you can replace it with a new one during the installation.
- You are required to delete the old runtime environment. The new runtime environment will be in the same location as the DB2 UDB EEE instance designated as the Query Patroller server.
- Rebinding of new executables will be done using the `db2qp.lst`, `db2qp_sp.lst`, and iwmsx001.bnd bind files. See the ″Manual Installation″ appendix for further information.
- You are required to disable the old install directories.

Client Migration

To remove QueryAdministrator, QueryMonitor, Tracker or QueryEnabler, run the utility's uninstall program from the control panel. For the QueryAdministrator and QueryMonitor, the two Java utilities, the uninstall programs will attempt to use the same Java runtime environment that was used for installation.

Appendix C. Language Requirements

If you are a AIX 4.3.1.0 user in one of the following language locales, you need to install the appropriate PTFs as listed below (U455512 is needed along with the language specific PTFs):

Table 8. PTFs

PTF Numbers	Fileset Name	Level
U455512	bos.loc.adt.locale	4.3.1.0
U455524	bos.loc.iso.bg_BG	4.3.1.0
U455530	bos.loc.iso.de_DE	4.3.1.0
U455540	bos.loc.iso.fr_FR	4.3.1.0
U455544	bos.loc.iso.it_IT	4.3.1.0
U455550	bos.loc.iso.nl_NL	4.3.1.0
U455553	bos.loc.iso.pt_BR	4.3.1.0
U455554	bos.loc.iso.pt_PT	4.3.1.0
U455556	bos.loc.iso.ru_RU	4.3.1.0
U455575	bos.loc.pc_compat.De_DE	4.3.1.0
U455583	bos.loc.pc_compat.Fr_FR	4.3.1.0
U455585	bos.loc.pc_compat.It_IT	4.3.1.0
U455588	bos.loc.pc_compat.Nl_NL	4.3.1.0
U455590	bos.loc.pc_compat.Pt_PT	4.3.1.0

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- 1-800-879-2755 to order publications.

For information on how to contact IBM outside of the United States, see Appendix A of the IBM Software Support Handbook. You can access this document by accessing the following page:

`http://www.ibm.com/support/`

then performing a search using the keyword “handbook”.

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ftp.software.ibm.com

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GO IBMDB2 to access the IBM DB2 Family forums

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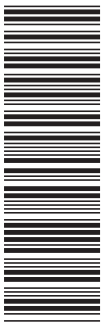

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