# Installing DB2 Query Patroller Version 7.1 on UNIX

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### 1. Document Overview

This document is intended to be used as a supplement for the *DB2 Query Patroller Installation Guide* book. For an overview of the product, please refer to the "DB2 Query Patroller Overview" section of the *DB2 Query Patroller Installation Guide* book.

This document describes how to install a DB2 Query Patroller Server on a UNIX-based server (including AIX, HP-UX, NUMA-Q/PTX, or the Solaris Operating Environment), using the db2setup utility. If you want to install a DB2 Query Patroller Server on a Windows NT or Windows 2000-based server, please refer to the "Installing a DB2 Query Patroller Server on Windows NT or Windows 2000" section, in the *DB2 Query Patroller Installation Guide* book. The db2setup utility works with the C, bash, Bourne, and Korn shells. If you want to use your operating system's native installation tool, please refer to the Installation Notes.

If you are installing DB2 Query Patroller on a server that is running DB2 Enterprise - Extended Edition, you must first install the DB2 Query Patroller Server on one database partition server, and then optionally install the DB2 Query Patroller Agent on the remaining database partition servers that participate in the instance. This will balance the database workload across all partitions.

If you are installing DB2 Query Patroller in a DB2 Enterprise Edition environment, you only have to perform a DB2 Query Patroller Server installation. A DB2 Query Patroller Agent is installed with any DB2 Query Patroller Server.

We recommend that you use the db2setup utility to install any DB2 products on a UNIX-based server. This utility leads you through the installation and configuration using a simple text-based interface that includes online help. Default values are generated for all required installation parameters, but you can also enter your own values.

The db2setup utility can:

- Exercise or assign groups and user IDs. (If you are running NIS or NIS+, you will need to perform these tasks manually.)
- Dereate a DB2 instance and auto-configure it for communications.

And stall a license key.

- zinstall additional products, product messages, and documentation.
- Rereate links for DB2 files.

If you choose to install DB2 using your operating system's native installation tools, you will have to perform many of these time consuming tasks manually.

This document contains seven sections as follows:

- 1. Document Overview
  - Overview of the contents of this document
- 2. Before You Begin

List of things to be completed prior to the installations.

3. Installing the DB2 Query Patroller Server

Instructions on how to install and get the DB2 Query Patroller Server up and running using db2setup utility.

4. Installing the DB2 Query Patroller Agent

Instructions on how to install the DB2 Query Patroller Agent on the other database partition server, using db2setup utility. (For DB2 EEE environment only)

5. Creating a DB2 Instance

Instructions on how to create a new DB2 instance using db2setup utility.

6. Setting up the DB2 Query Patroller Server on the DB2 Instance

Instructions on how to set up DB2 Query Patroller Server in the case where DB2 Query Patroller Server software is already installed, using db2setup utility.

7. Setting up the DB2 Query Patroller Agent on the DB2 Instance

Instructions on how to set up DB2 Query Patroller Agent in the case where DB2 Query Patroller Agent software is already installed, using db2setup utility.

## 2. Before You Begin

Please make sure that you have the following items and information. Otherwise, the db2setup utility will not be able to complete the installation properly.

- 1. Read the "Before You Begin" section in the *DB2 Query Patroller Installation Guide* book, and make sure that you have all the items listed.
- 2. If you are installing DB2 Query Patroller on a server that is running DB2 Enterprise Extended Edition, you must first install the DB2 Query Patroller Server on one database partition server, and then optionally install the DB2 Query Patroller Agent on the remaining database partition servers that participate in the instance. This will balance the database workload across all partitions.

If you are installing DB2 Query Patroller in a DB2 Enterprise Edition environment, you only have to perform a DB2 Query Patroller Server installation. A DB2 Query Patroller Agent is installed with any DB2 Query Patroller Server.

- 3. Make sure that you understand the following:
  - DB2 Query Patroller v7.1 can only manage one DB2 UDB database per system at a time. The DB2 instance where this database resides must be set up to use DB2 Query Patroller.
  - Ľ
  - Once DB2 Query Patroller Server is set up on one DB2 instance, it cannot be used to manage a database which resides on a different DB2 instance. (In other words, DB2 Query Patroller cannot manage a database which resides on a DB2 instance other than the one it is set up on.)
  - Ľ
  - To have DB2 Query Patroller v7.1 manage a different database than the one it is managing, specific steps need to be performed. These steps can be found in chapter 9 of the DB2 Query Patroller Administration Guide. Once these steps are completed, DB2 Query Patroller Server can no longer manage the previous database. This is what we mean by DB2 Query Patroller being able to manage only one database at a time.
- 4. Make sure that the DB2 UDB database whose queries you want to manage using DB2 Query Patroller already exists. If not, please create it before you proceed with the setup. Please note that DB2 does not support databases which reside on an NFS mounted filesystem.
- 5. If you are installing DB2 Query Patroller on a server that is running DB2 Enterprise Extended Edition, make sure that a single node nodegroup is already created on the database whose queries you want to manage using DB2 Query Patroller Server. A single node nodegroup means that the nodegroup does not span more than one nodes. This nodegroup will be used for one of the tablespaces which need to be created, as described on the next item 6i.
- 6. Make sure that the following two tablespaces are already created on the database whose queries you want to manage using DB2 Query Patroller Server.
  - An SMS or DMS tablespace to store the DB2 Query Patroller meta data (i.e. control tables). If you are installing DB2 Query Patroller on a server that is running DB2 Enterprise - Extended Edition, this tablespace MUST reside on a single node nodegroup. (This nodegroup is mentioned previously in item 6).
  - ii. An SMS or DMS tablespace to store the DB2 Query Patroller result tables. The result tables are used to store the result of the queries managed by the DB2 Query Patroller. (This tablespace CAN reside on a single or multiple nodes nodegroup.) Ensure that this tablespace resides on a

filesystem or device that is large enough to accommodate all the result tables for as long as you wish to retain them. Please refer to the *DB2 Query Patroller Administration Guide* for more detail.

Please note that DB2 does not support tablespaces which reside on an NFS mounted filesystem.

NOTE: You will need the names of the above nodegroup and tablespaces during the installation. Make sure you write down the names on a piece of paper.

7. The user id "iwm" will be created by the db2setup utility. However, you may create it manually. The db2setup utility will detect it if it already exists. If you are installing DB2 Query Patroller on a server that is running DB2 Enterprise - Extended Edition, note that the iwm user must have a home filesystem which is shared across all the physical nodes. It must also has a proper .rhosts file. For more details on .rhosts file, please refer to the DB2 Enterprise - Extended Edition for UNIX Quick Beginnings book.

### 3. Installing the DB2 Query Patroller Server

Before you begin the installation, please read section 2, "Before You Begin". Make sure that you have all the items listed.

- 1. Log on to your workstation as a user with root authority.
- 2. Insert and mount your product's CD-ROM. If you are not sure how to mount the CD-ROM drive on your operating system, refer to the "Basic Task Knowledge" appendix in your DB2 server's Quick Beginnings manual.
- 3. Change to the directory where the CD-ROM is mounted.
- 4. Enter the **./db2setup** command. The following panel will appear. Select "DB2 Query Patroller Server" and then select "OK". Note that the "DB2 Query Patroller Agent" option will only appear if DB2 Query Patroller is installed on a server that is running DB2 Enterprise Extended Edition.

			- Install DE	32 V7			
Sele	ct the pr	oducts you a	are licensed	to insta	ll. Your	Proof of	
Enti whic	tlement a h you are	and License e licensed.	Information	booklet	identify	the produc	cts for
[]	DB2 Query DB2 Query	Patroller Patroller	Client Agent				
[*]	DB2 Query	Patroller	Server				
[	ок ]		[ Ca:	ncel ]			[ Help

5. The following panel will appear. If you already have a DB2 instance, the db2setup utility will detect this and "Set up an existing DB2 Instance" will appear as one of the options. If you have not created a DB2 instance, please exit from the db2setup utility and create one.

Otherwise, select "Set up an existing DB2 Instance". By selecting this option, you are not reinitializing a new DB2 instance, you are simply enabling an existing DB2 instance to use DB2 Query Patroller.

```
+-----+ Create DB2 Services ------
  Select the items you want to create, and select OK when finished.
  A DB2 Instance is an environment where you store data and run
  applications. An instance can contain multiple databases.
  ( ) Create a DB2 Instance.
                                                : Customize... :
  (*) Set up an existing DB2 Instance
                                                : Customize... :
  ( ) Do not create a DB2 Instance.
  An Administration Server provides services to support client tools that
  automate the configuration of connections to DB2 databases.
                                             : Customize... :
  ( ) Create the Administration Server.
  (*) Do not create the Administration Server.
                          [ Cancel ]
                                                    [ Help ]
  [ OK ]
          _____
                                                             ---+
```

6. The following panel will appear. Enter the name of the DB2 instance where the database which you want to manage using DB2 Query Patroller resides. Select "OK" when you are done.

+ -					Create DB2 Services	+
-	+	Set	up Exi	sting Inst	ance	+
ļ				·		11
			Name	of Instan	ice [dqpinst]]	
ļ	İ					ļļ
ļ	ļ					
ļ						
ļ	ĺ					
			ר או		[Cance]] [Help	1
-	+					+
+ -						+

7. The following panel will appear if you have not created a DB2 Warehouse Control Database on the DB2 instance which you entered in the previous panel. (DB2 Warehouse Control Database contains meta data information for the DB2 Data Warehouse environment.) You do NOT need to set up this database to use DB2 Query Patroller. Select "OK" after you make your selection.

8. The following panel will appear if you selected "Set up DB2 Warehouse Control Database" in the previous panel. Enter a name for the DB2 Warehouse Control Database, and select "OK" when you are done. NOTE: "dwcntrl" is the default name, you can use a different name by overwriting it.

+ DI	32 Warehouse (	Control Database	9	+
+ 1	DB2 Warehouse	Control Databas	se setup	+
	Control	Database [dwcnt	crl ]	
Se    Se    	elect Default ettings.	to restore all	default	[ Default ]             
[  + +	ок ] 		[ Cancel ]	[ Help ]    +  +

9. The following panel will appear if you have not set up DB2 Distributed Join for DB2 Data Sources in this DB2 instance. (DB2 Distributed Join for DB2 is a wrapper module that enables your DB2 server to access DB2 family data sources.) You do NOT need to set this up to use DB2 Query Patroller. Select "OK" after you make your selection.

```
Select whether you wish to set up DB2 Distributed Join for DB2 Data
Sources
(*) Set up DB2 Distributed Join for DB2 Data Sources
( ) Do not set up DB2 Distributed Join for DB2 Data Sources
[ OK ] [ Cancel ] [ Help ]
```

10. The following panel will appear. Select "Set up a DB2 Query Patroller Server" and then select "OK".



- 11. The following panel will appear. To enter the fields on this panel, you will need the names of the nodegroup and tablespaces which you created in item 6 of the "Before You Begin" section.
  - In the "Database" field, enter the name of the database which you want to manage using DB2 Query Patroller.
  - At In the "Node Group" field, enter the name of the single node nodegroup where the DB2 Query Patroller meta data tablespace resides. This field is only needed in the DB2 EEE environment.
  - In the "Node Number" field, enter the number of the local node, i.e. The node number of the machine where you do the install from. This field is only needed in the DB2 EEE environment.
  - In the "Tablespace" field, enter the name of the tablespace which you created to store the DB2 Query Patroller meta data (i.e. the tablespace described in item 6 i of section 2 "Before You Begin").
  - In the "Tablespace Path" field, enter any existing path. This field will be ignored because the above tablespace is already created.
  - In the "Result Tablespace" field, enter the name of the tablespace which you created to store the DB2 Query Patroller result tables (i.e. The tablespace described in item 6 ii of section 2 "Before You Begin").

Ignore the "Optional Properties" because the tablespaces are already created beforehand. When you are done, select "OK".

DB2 Query Patroller Se	erver	
Enter information about	instance.	
User Name	:dqpinst1:	
	r 1	
Database		
Node Group	L J	
Node Number	[ ]	
Tablespace	[ ]	
Tablespace Path	[ ]	
Result Tablespace	[ ]	
Optional Properties		
DMS Tablespace Size	[ ]	
[ OK ]	[ Cancel ]	[ Help ]

- 12. The following panel will appear.
  - In the "Port Number" field, enter the port number which you have reserved for the communication between the DB2 Query Patroller communications (as described in the "Before You Begin" section of the DB2 Query Patroller Installation Guide book).
  - At In the "Service Name" field, enter the service name associated with this port number.

When you are done, select "OK". During install, db2setup will append the service name and port number which you enter here to the /etc/services file.

Please note that "dqp1" and "55000" are the default values. You can use a different port number or service name by overwriting these values.

```
+--- DB2 Query Patroller Server TCP/IP Properties ------
  Enter a TCP/IP Service Name and Port Number for the DB2 Query Patroller
  Server.
     Service Name[dqp1]Port Number[55000]
                                               [ Default ]
  Select Default to restore all default
  settings.
 [ OK ] [ Cancel ] [ Help ]
```

-+

13. Next, you will return to the following panel. Select "OK".

------ Create DB2 Services ------Select the items you want to create, and select OK when finished. A DB2 Instance is an environment where you store data and run applications. An instance can contain multiple databases. ( ) Create a DB2 Instance. : Customize... : (\*) Set up an existing DB2 Instance : Customize... : ( ) Do not create a DB2 Instance. An Administration Server provides services to support client tools that automate the configuration of connections to DB2 databases. ( ) Create the Administration Server. : Customize... : (\*) Do not create the Administration Server. [ Cancel ] [ OK ] [ Help ] \_\_\_\_\_ ---+

14. A "Summary Report" panel similar to the following will appear. Verify that it summarizes the tasks which you want to perform, based on what you selected in the previous steps. If it is correct, select "Continue" to perform the tasks.

Note that by installing DB2 Query Patroller Server, you are also installing the DB2 Query Patroller Agent and DB2 Query Patroller Client on this machine. Therefore you will see DB2 Query Patroller Agent and DB2 Query Patroller Client as part of the product components to be installed.

----- DB2 Setup Utility ------+-- Summary Report -----+ Installation \_\_\_\_\_ Product components to be installed: Java Support Common Jar Files Product Signature for DB2 Warehouse Manager DB2 Query Patroller Client DB2 Query Patroller Agent DB2 Query Patroller Server DB2 Query Patroller iwm User Use existing user name iwm [ More... ] · · [ Continue ] ------

The db2setup utility will inform you when the installation completes, and will provide you with a status report. The db2setup log file can be found in /tmp/db2setup.log

The DB2 Query Patroller Server software will be installed in the same location as the DB2 software on your server. The installation path for all DB2 software depends on the operating system:

/usr/lpp/db2\_07\_01 on AIX

/opt/IBMdb2/V7.1

on HP-UX, NUMA-Q/PTX, or Solaris

- 15. Exit from the db2setup utility.
- 16. While you are still logged on as root, run the following command on your UNIX command prompt.

/usr/lpp/db2\_07\_01/instance/db2iupdt -k *instname* where *instname* is the name of the DB2 instance.

If the above command is not executed, DQPSTART will fail with a DB2 Query Patroller license error. This is because the license information on the DB2 instance was not updated. This is a limitation which will be lifted in the future release.

- 17. To verify the installation of your DB2 Query Patroller Server, run the command **db2stop** and **db2start** to restart DB2 and then follow the instructions in the "Verifying the Installation" section of the *DB2 Query Patroller Installation Guide* book.
- 18. To install a DB2 Query Patroller Agent on your other database partition server that participate in the instance, go to section 4, "Installing the DB2 Query Patroller Agent".

**NOTE**: You can also use the db2setup utility to do the following.

AC Create a new DB2 instance. Follow the instructions in section 5, "Creating a DB2 Instance".

Setup an existing DB2 instance, so that the database which resides on this instance can be managed by the DB2 Query Patroller. Follow the instructions in section 6, "Setting up the DB2 Query Patroller Server on the DB2 Instance". (Please note that DB2 Query Patroller can only manage one database per system at a time.)

### 4. Installing the DB2 Query Patroller Agent

If you installed DB2 Query Patroller Server in a DB2 Enterprise - Extended Edition environment, you can optionally install a DB2 Query Patroller Agent on all of the database partition servers that participate in the instance. Installing multiple agents will help balance the database workload across all partitions. If you installed a DB2 Query Patroller Server in a DB2 Enterprise Edition environment, you do not need to install a DB2 Query Patroller Agent.

In the DB2 Enterprise - Extended Edition environment, you must first install the DB2 Query Patroller Server on one database partition server, before (optionally) installing the DB2 Query Patroller Agent on the remaining database partition servers that participate in the instance. If you have not installed the DB2 Query Patroller Server, then follow the instructions in section 3, "Installing the DB2 Query Patroller Server".

To install the DB2 Query Patroller Agent, use the following instructions .

- 1. Log on to your workstation as a user with root authority.
- 2. Insert and mount your product's CD-ROM. If you are not sure how to mount the CD-ROM drive on your operating system, refer to the "Basic Task Knowledge" appendix in your DB2 server's Quick Beginnings manual.
- 3. Change to the directory where the CD-ROM is mounted.
- 4. Enter the **./db2setup** command. The following panel will appear. Select "DB2 Query Patroller Agent" and then select "OK".

+ Install DB2 V7	++ 
Select the products you are licensed to install. Your Proof of	 
Entitlement and License Information booklet identify the products for which you are licensed.	
<pre>[ ] DB2 Query Patroller Client [*] DB2 Query Patroller Agent [ ] DB2 Query Patroller Server</pre>	
     [ OK ] [ Cancel ] [ Help	]

5. The following panel will appear. Select "Set up an existing DB2 Instance".

Please note that if you do not have a DB2 instance on your server, you will not see this option. If this is the case, it is likely that the DB2 Query Patroller Server has not been installed or setup on your DB2 EEE environment. To install the DB2 Query Patroller Server, please refer to section 3, "Installing the DB2 Query Patroller Server". To setup the DB2 Query Patroller Server, log in to the

node where DB2 Query Patroller Server was installed, and refer to section 6, "Setting up the DB2 Query Patroller Server on the DB2 Instance".

 Create DB2 Services

 Select the items you want to create, and select OK when finished.

 A DB2 Instance is an environment where you store data and run applications. An instance can contain multiple databases.

 ( ) Create a DB2 Instance.
 : Customize...:

 (\*) Set up an existing DB2 Instance
 : Customize...:

 ( ) Do not create a DB2 Instance.
 : Customize...:

 ( ) Do not create a DB2 Instance.
 : An Administration Server provides services to support client tools that automate the configuration of connections to DB2 databases.

 ( ) Create the Administration Server.
 : Customize...:

 (\*) Do not create the Administration Server.
 : Customize...:

 ( ) Create the Administration Server.
 : Customize...:

 ( ) Create the Administration Server.
 : Customize...:

 ( ) Do not create the Administration Server.
 : Customize...:

 [ OK ]
 [ Cancel ]
 [ Help ]

6. The following panel will appear. Enter the name of the DB2 instance where the DB2 Query Patroller Server was setup on (i.e. The DB2 instance where the database which is managed by the DB2 Query Patroller Server resides on). Select "OK" when you are done.

7. The following panel will appear. Select "Set up a DB2 Query Patroller Agent" and then select "OK".

```
DB2 Query Patroller Agent ----- DB2 Query Patroller Agent.
Select a setup option for DB2 Query Patroller Agent
( ) Do not setup a DB2 Query Patroller Agent
( ) Do not setup a DB2 Query Patroller Agent
[ OK ] [ Cancel ] [ Help ]
```

- 8. The following panel will appear.
  - In the "Port Number" field, enter the port number which you have reserved for the communication between the DB2 Query Patroller communications (as described in the "Before You Begin" section of the DB2 Query Patroller Installation Guide book). Please note that this port number MUST match with the port number which you entered in step 12 of section 3, "Installing the DB2 Query Patroller Server".

At In the "Service Name" field, enter the service name associated with this port number.

When you are done, select "OK". During install, db2setup will append the service name and port number which you enter here to the /etc/services file.

Please note that "dqp1" and "55000" are the default values. You can use a different port number or service name by overwriting these values.

---- DB2 Query Patroller Agent ----Set TCP/IP Properties for DB2 Query Patroller Agent
Service Name [dqp1 ]
Port Number [55000 ]
Select Default to restore all default
settings.
[ Default ]
[ OK ] [ Cancel ] [ Help ]

9. Next, you will return to the following panel. Select "OK".

------ Create DB2 Services ------Select the items you want to create, and select OK when finished. A DB2 Instance is an environment where you store data and run applications. An instance can contain multiple databases. ( ) Create a DB2 Instance. : Customize... : (\*) Set up an existing DB2 Instance : Customize... : ( ) Do not create a DB2 Instance. An Administration Server provides services to support client tools that automate the configuration of connections to DB2 databases. : Customize... : ( ) Create the Administration Server. (\*) Do not create the Administration Server. [ Cancel ] [ OK ] [ Help ] \_\_\_\_\_ ---+

10. A "Summary Report" panel similar to the following will appear. Verify that it summarizes the tasks which you want to perform, based on what you selected in the previous steps. If it is correct, select "Continue" to perform the tasks.

------ DB2 Setup Utility ------+-- Summary Report ------Installation \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ Product components to be installed: Java Support Common Jar Files Product Signature for DB2 Warehouse Manager DB2 Query Patroller Client DB2 Query Patroller Agent DB2 Query Patroller iwm User Create new group name: [ More... ] | -----+ [ Continue ] ------

The db2setup utility will inform you when the installation completes, and will provide you with a status report. The db2setup log file can be found in /tmp/db2setup.log.

The DB2 Query Patroller Agent software will be installed in the same location as the DB2 software on your server. The installation path for all DB2 software depends on the operating system:

/usr/lpp/db2\_07\_01 on AIX /opt/IBMdb2/V7.1 on HP-UX, NUMA-Q/PTX, or Solaris

- 11. Exit from the db2setup utility.
- 12. Edit the \$HOME/sqllib/dqpnodes.cfg file to add an entry for the DB2 Query Patroller Agent which you just installed. The **DQPSTART** and **DQPSTOP** command use the dqpnodes.cfg file to synchronize

start and stop processes on the listed database partition servers. You do not need to add this entry if you do not want to start the agent at the same time when you are starting the Query Patroller Server. For more information, please refer to the *DB2 Query Patroller Administration Guide*.

The dqpnodes.cfg file was created when you installed the DB2 Query Patroller Server. It looks like the following. NOTE: *hostname1* stands for the name of the server.

#### 0 hostname1 server

After you add the entry for the DB2 Query Patroller Agent, it will look like the following:

0 *hostname1* server 1 *hostname2* agent

#### 5. Creating a DB2 Instance

By using the db2setup utility, you can create a DB2 instance.

 Log on to your workstation as a user with root authority. Change to the directory where the CD-ROM is mounted. Enter the ./db2setup command. You will see the following panel if the DB2 Query Patroller software is already installed. Select "[Create...]" and then select "OK".

2. The following panel will appear. (Please note that if you do not have a DB2 instance on your server, you will not see the option "Set up an existing DB2 Instance".) Select "Create a DB2 Instance" and then select "OK".

```
------ Create DB2 Services ------
Select the items you want to create, and select OK when finished.
A DB2 Instance is an environment where you store data and run
applications. An instance can contain multiple databases.
(*) Create a DB2 Instance.
                                                   : Customize... :
( ) Set up an existing DB2 Instance
                                                    : Customize... :
( ) Do not create a DB2 Instance.
An Administration Server provides services to support client tools that
automate the configuration of connections to DB2 databases.
( ) Create the Administration Server.
                                                  : Customize... :
(*) Do not create the Administration Server.
                           [ Cancel ]
[ OK ]
                                                         [ Help ]
```

3. The following panel will appear. Enter the required user information for the DB2 instance, and select "OK" when you are done. Please note that "dqpinst1" is the default user name, you can use a different name by overwriting it. The same applies for the group name.

```
----- Create DB2 Services -----
Authentication:
   Enter User ID, Group ID, Home Directory and Password that will be
   used for the DB2 Instance.
   [ ] Use default UID
                           [ ] Use default GID
   Password [
Verify Password [
                       1
 Select Properties to view or change more [ Properties... ]
 options.
 Select Default to restore all default
                               [ Default ]
 settings.
                             [ Help ]
             [ Cancel ]
 [ OK ]
 -----
```

4. The following panel will appear. Enter the required fenced user information, and select "OK" when you are done. Please note that 'dqpfenc1' is the default user name, you can use a different user name by overwriting it. The same applies for the group name.

```
--- Fenced User -----
  Fenced user defined functions (UDFs) and stored procedures will
  execute under this user and group.
  Authentication:
    Enter User ID, Group ID, Home Directory and Password that will be
      used for the Fenced User.
     User Name [dqpfenc1]
User ID [226]
Group Name [dqpfgrp1]
Group ID [102]
                                          [ ] Use default UID
                                             [ ] Use default GID
      Home Directory [/home/dqpfenc1 ]
Password [ ]
                        [
[
      Verify Password
                                       ]
   Select Default to restore all default
                                                     [ Default ]
  settings.
  [ OK ]
                          [ Cancel ]
                                                       [ Help ]
```

 The following panel will appear. If you want to setup DB2 Query Patroller on this DB2 instance, select "Set up a DB2 Query Patroller Server" and then select "OK", and go to the next step. Otherwise, select "Do not setup a DB2 Query Patroller Server" and then select "OK", and go to step 8.

- 6. The following panel will appear.
  - In the "Port Number" field, enter the port number which you have reserved for the communication between the DB2 Query Patroller communications (as described in the "Before You Begin" section of the DB2 Query Patroller Installation Guide book).

In the "Service Name" field, enter the service name associated with this port number.

When you are done, select "OK". During install, db2setup will append the service name and port number which you enter here to the /etc/services file.

Please note that "dqp1" and "55000" are the default values. You can use a different port number or service name by overwriting these values.

DB2 Query Patroller Server TCP/IP Properties ----Enter a TCP/IP Service Name and Port Number for the DB2 Query Patroller
Server.
Service Name [dqp1 ]
Port Number [55000 ]
Select Default to restore all default [Default ]
settings.
[ OK ] [Cancel ] [Help ]

7. Next, you will return to the following panel. Select "OK".

------ Create DB2 Services ------Select the items you want to create, and select OK when finished. A DB2 Instance is an environment where you store data and run applications. An instance can contain multiple databases. (\*) Create a DB2 Instance. : Customize... : ( ) Set up an existing DB2 Instance : Customize... : ( ) Do not create a DB2 Instance. An Administration Server provides services to support client tools that automate the configuration of connections to DB2 databases. ( ) Create the Administration Server. : Customize... : (\*) Do not create the Administration Server. [ Cancel ] [ Help ] [ OK ] \_\_\_\_\_ ---+ \_ \_ \_ \_ \_ \_

8. A "Summary Report" panel similar to the following will appear. Verify that it summarizes the tasks which you want to perform, based on what you selected in the previous steps. If it is correct, select "Continue" to perform the tasks.

The db2setup utility will inform you when it is done and will provide you with a status report. The db2setup log file can be found in /tmp/db2setup.log

If you want to setup DB2 Query Patroller to manage a database which resides on the DB2 instance which you just created, follow the instructions in section 6, "Setting up the DB2 Query Patroller Server on the DB2 Instance".

#### 6. Setting up the DB2 Query Patroller Server on the DB2 Instance

By using the db2setup utility, you can setup a DB2 instance so that DB2 Query Patroller can manage the database which resides on that instance. Before proceeding, please make sure that the two tablespaces, described in item 6 of section 2, "Before You Begin", are already created.

 Log on to your workstation as a user with root authority. Change to the directory where the CD-ROM is mounted. Enter the ./db2setup command. You will see the following panel if the DB2 Query Patroller software is already installed. Select "[Create...]", and then select "OK".

```
DB2 Setup Utility
Select Install to select products and their components to install, or
select Create to create the DB2 services.
To select products and their components, select [Install...]
Install.
To create a DB2 Instance, an Administration Server, [Create...]
or a Data Links Manager Administrator select Create.
[ Close ] [ Help ]
```

2. The following panel will appear. Select "Set up an existing DB2 Instance" and then select "OK".

 Select the items you want to create, and select OK when finished.

 A DB2 Instance is an environment where you store data and run applications. An instance can contain multiple databases.

 ( ) Create a DB2 Instance.
 : Customize... :

 (\*) Set up an existing DB2 Instance
 : Customize... :

 ( ) Do not create a DB2 Instance.
 : Customize... :

 ( ) Do not create a DB2 Instance.
 : Customize... :

 ( ) Do not create a DB2 Instance.
 : Customize... :

 ( ) Do not create a DB2 Instance.
 : Customize... :

 ( ) Do not create a DB2 Instance.
 : Customize... :

 ( ) Do not create a DB2 Instance.
 : Customize... :

 ( ) Do not create the Administration of connections to DB2 databases.
 : Customize... :

 ( ) Create the Administration Server.
 : Customize... :

 (\*) Do not create the Administration Server.
 : Customize... :

 (\*) Do not create the Administration Server.
 : Customize... :

 [ OK ]
 [ Cancel ]
 [ Help ]

3. The following panel will appear. Enter the name of the DB2 instance where the database which you want to manage using DB2 Query Patroller resides. Select "OK" when you are done.

4. The following panel will appear. Select "Set up a DB2 Query Patroller Server" and then select "OK".

DB2 Query Patroller Server ----- DB2 Query Patroller Server. Select a setup option for DB2 Query Patroller Server ( ) Do not setup a DB2 Query Patroller Server ( ) Do not setup a DB2 Query Patroller Server

- The following panel will appear. To enter the fields on this panel, you will need the names of the nodegroup and tablespaces which you created in item 6 of the "Before You Begin" section.
   In the "Database" field, enter the name of the database which you want to manage using DB2 Query Patroller.
  - In the "Node Group" field, enter the name of the single node nodegroup where the DB2 Query Patroller meta data tablespace resides. This field is only needed in the DB2 EEE environment.
  - In the "Node Number" field, enter the number of the local node, i.e. The node number of the machine where you do the install from. This field is only needed in the DB2 EEE environment.
  - In the "Tablespace" field, enter the name of the tablespace which you created to store the DB2 Query Patroller meta data (i.e. the tablespace described in item 4i of the "Before You Begin" section of this document).
  - In the "Tablespace Path" field, enter any existing path. This field will be ignored because the above tablespace is already created.

In the "Result Tablespace" field, enter the name of the tablespace which you created to store the DB2 Query Patroller result tables (i.e. The tablespace described in item 4ii of the "Before You Begin" section of this document).

Ignore the "Optional Properties" because the tablespaces are already created beforehand. When you are done, select "OK".

+	DB2 Query Patroller Serv	/er						+
E	nter information about i	instance	e.					ĺ
	User Name	:dqpinst1:						ļ
		r	2					
	Database	L	1					ļ
	Node Group	[	]					
	Node Number	[	]					
	Tablespace	[	]					Í
i	Tablespace Path	[	]					İ
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[	OK ]		Cancel	]	[	Help	]	
+								+

6. Next, you will return to the following panel. Select "OK".

------ Create DB2 Services ------Select the items you want to create, and select OK when finished. A DB2 Instance is an environment where you store data and  $\operatorname{run}$ applications. An instance can contain multiple databases. ( ) Create a DB2 Instance. : Customize... : (\*) Set up an existing DB2 Instance : Customize... : ( ) Do not create a DB2 Instance. An Administration Server provides services to support client tools that automate the configuration of connections to DB2 databases. ( ) Create the Administration Server. : Customize... : (\*) Do not create the Administration Server. [ OK ] [ Cancel ] [ Help ]

7. A "Summary Report" panel similar to the following will appear. Verify that it summarizes the tasks which you want to perform, based on what you selected in the previous steps. If it is correct, select "Continue" to perform the tasks.

The db2setup utility will inform you when it is done and will provide you with a status report. The db2setup log file can be found in /tmp/db2setup.log

## 7. Setting up the DB2 Query Patroller Agent on the DB2 Instance

By using the db2setup utility, you can setup a DB2 Query Patroller Agent on an existing DB2 instance, provided that the DB2 Query Patroller Agent software is already installed on that particular node.

- 1. Log on to your workstation as a user with root authority. Change to the directory where the CD-ROM is mounted. Enter the **//db2setup** command.
- 2. Follow the instructions in section 5, "Installing the DB2 Query Patroller Agent", starting from step 5 to the end.