



# **mvQuery Version 8**

Server Installation Guide

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## MVQUERY DOCUMENTATION

mvQuery Documentation includes the following guides.

### MVQUERY TUTORIAL

The mvQuery Tutorial is the best starting point for the first time user of mvQuery, or to catch up with the new features when upgrading. This takes the operator step by step through each of the main sections of the mvQuery Standard Edition using the sample database provided, to install an understanding and confidence in each of the main activities of the program: building queries, working with results, designing and running reports and exporting data.

### MVQUERY USER GUIDE

This covers the use of the Standard Edition (SE) of mvQuery. The Guide provides detailed instructions on using mvQuery SE to build queries to return information from your MultiValue database; on the facilities available for working with and augmenting those results locally on your PC; guidance on designing and producing complex reports; and the layout and use of the Export Library to export your results. Advanced topics include the mvQuery Scripting capabilities and the use of formulae.

### MVQUERY ADMINISTRATORS GUIDE

The mvQuery Administrators Guide teaches systems administrators and DBAs how to configure mvQuery to provide the best in performance and in usability. Topics covered include connection handling, making information available through reporting accounts, using phrases and JOINS to simplify and to standardise access to information, applying security options and basic trouble shooting and activity logging.

### MVQUERY SCRIPTING GUIDE

The mvQuery Scripting Guide contains a complete reference for using the mvQuery Scripting language as means of automating mvQuery and for providing batch and scheduled capabilities.

## MVQUERY INSTALLATION AND CONFIGURATION GUIDE

The mvQuery Installation and Configuration Guide covers the installation of the product, defining and sharing connection information, server side installations and testing, and configuration options for optimising the product.

## MVQUERY SAMPLE DATABASE

The mvQuery Sample Database provides a quick overview of the sample database installed with the mvQuery product and used to provide example processing throughout the documentation.

## MVQUERY FORMULA REFERENCE

The mvQuery Formula Reference provides a function by function reference to the mvQuery formulae used to build local calculated columns.

## ACKNOWLEDGEMENTS

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# INSTALLING MVQUERY SERVER

The server components for the Standard Edition, Print Server Edition and Web Server Edition are now distributed together as a single setup and are installed together.

Installing the mvQuery Server components is a simple two-step process:

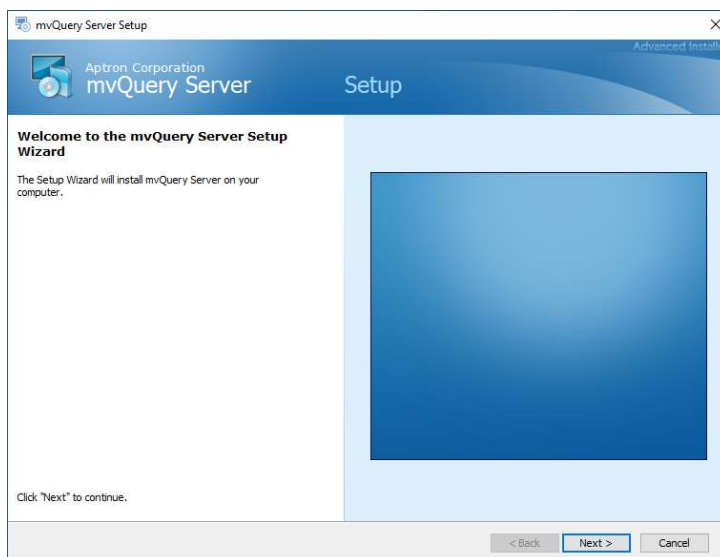
- Installing the Server Components
- Installing the mvQuery Server

## INSTALLING THE SERVER COMPONENTS

In previous editions of mvQuery, the server components were distributed alongside the three client editions. For ease of administration and for adherence to compliance requests, these are now distributed as a separate Windows setup package that also includes the installation tools for copying the mvQuery server and demonstration database to the server.

The server components are first installed onto a suitable client PC, which may also be running the mvQuery Standard Edition but no longer requires to be running this.

To install the components, copy the mvQuery Server Setup to your computer and run the included mvQueryServer\_x.x.x.exe program where x.x.x is the version:





## CREATING THE MVQUERY ACCOUNT

If you are installing mvQuery for the first time, you must create the mvQuery account on the database server before proceeding. The account is not created automatically by the installation tools, as this may compromise local security policies.

It is highly recommended that you name the account **mvquery**.

### **IMPORTANT**

**On UniVerse the mvQuery account must be in PICK Flavor.**

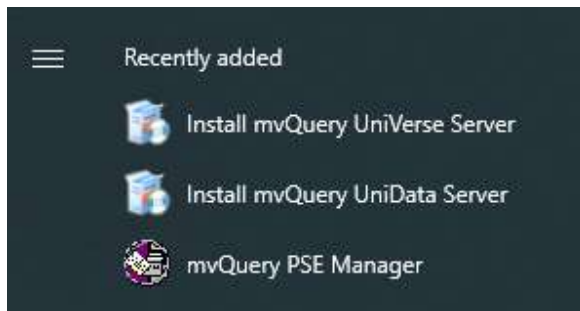
**Other accounts that make use of mvQuery for reporting can be in any flavour.**

## INSTALLATION ON UNIVERSE AND UNIDATA

## INSTALLING THE DATABASE SERVER

The mvQuery Server Setup will install the mvQuery Server package, Demonstration Database package and installation tools for UniData and UniVerse servers. It will also install the middleware for .NET.

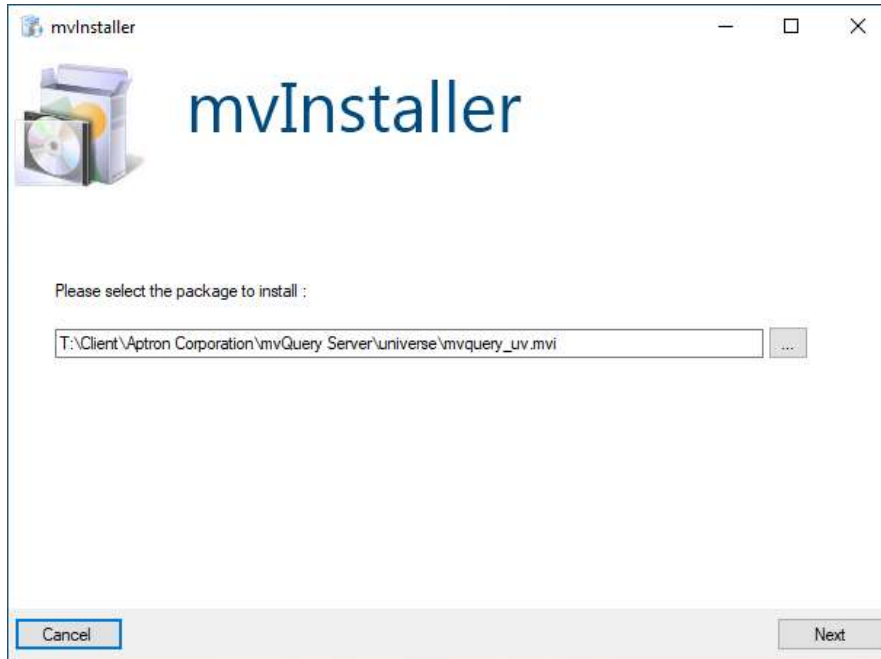
Following a successful installation, a new folder named mvQuery Server will be added to your Start Menu. This will contain shortcuts to launch the installer for the required package:



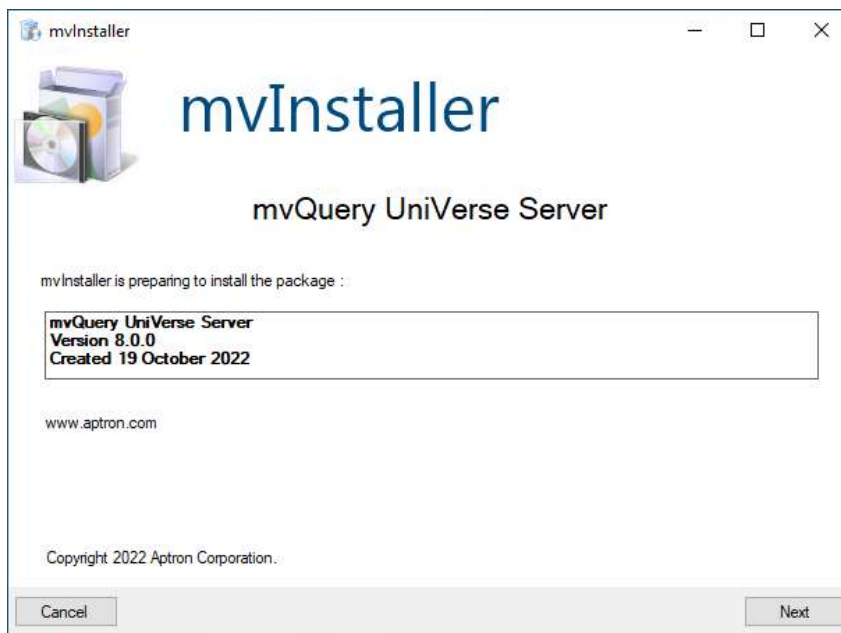
To install the mvQuery Server and the Demonstration Database for your database type, click on the appropriate link. This will start the mvInstaller client to step you through the installation.

## RUNNING THE MVINSTALLER CLIENT

The mvInstaller is provided the name of the package holding the server components to install. These generally have an 'mvi' extension:



Click the Next button to open the mvInstaller package and verify the content and version:



## ACCEPTING THE LICENCE AGREEMENT

Before installing the mvQuery Server you must signal your acceptance of the license agreement. If you do not agree with the license you must terminate the installation.

## CONNECTING TO THE SERVER

Once you have accepted the licence agreement, you can proceed to connect to your database server. Enter your user credentials for the database server and the location of your mvQuery account:



The screenshot shows the 'mvInstaller' window for 'mvQuery UniVerse Server'. It prompts the user to enter credentials to log into the database. The fields are as follows:

| Field                  | Value               |
|------------------------|---------------------|
| Host Name or Address : | localhost           |
| Account Name or Path : | c:\accounts\mvquery |
| User Name :            | demo                |
| Password :             | ****                |
| Database Type :        | Rocket UniVerse     |

At the bottom, there are 'Cancel' and 'Next' buttons.

## RUNNING THE INSTALLATION

Once you have connected to the database mvInstaller will automatically start the installation, displaying a progress bar to indicate how far it is through the installation procedure.

## CHECKING THE INSTALLATION

Once the installation has completed, it is recommended that you test the installation by logging into the mvQuery account and entering the command:

**qusane**

This will run a set of sanity checks to ensure that all the mvQuery components are correctly installed and configured.

## AUTHORISING MVQUERY

The final step in preparing the mvQuery server for use is to enter the authorisation code(s) to enable standard edition, print server and web server operations.

To enter an authorisation code, enter the command:

**quauth**

This will prompt you for the authorisation code to enter.

## CHECKING THE INSTALLED VERSION

If you are upgrading an older copy of mvQuery it is recommended that you perform a version check after the update to ensure that no permissions problems have prevented mvQuery from cataloging the new routines.

The quversion command will display the currently installed version.

**quversion**

## SET UP YOUR APPLICATION

See the mvQuery Administration Guide for details on configuring mvQuery on your system and enabling it to access your data.

## USING THE TEXT BASED INSTALLER

As an alternative to the Windows based installer, you can also use the text-based version of mvInstaller to install the mvQuery server, though this requires more work and is primarily aimed at remote support of systems where you may not have access to a client connection.

To use the text based installer you must complete the following operations:

### CREATING THE INST.BP FILE

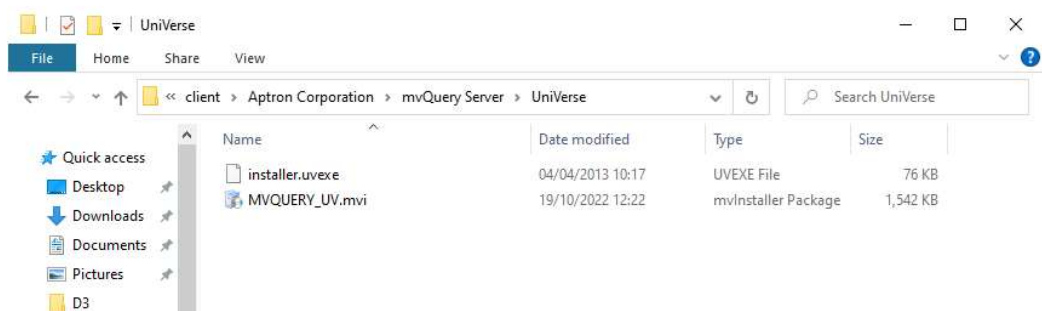
Create a file named inst.bp in the mvQuery account, for example

```
(UniVerse)  
CREATE.FILE inst.bp 1,1 1,1,19
```

```
(UniData)  
CREATE.FILE DIR inst.bp
```

### COPY THE INSTALLER SETUP PROGRAM

Locate the installer setup program on the client and copy it into the inst.bp directory on the server using any suitable route.



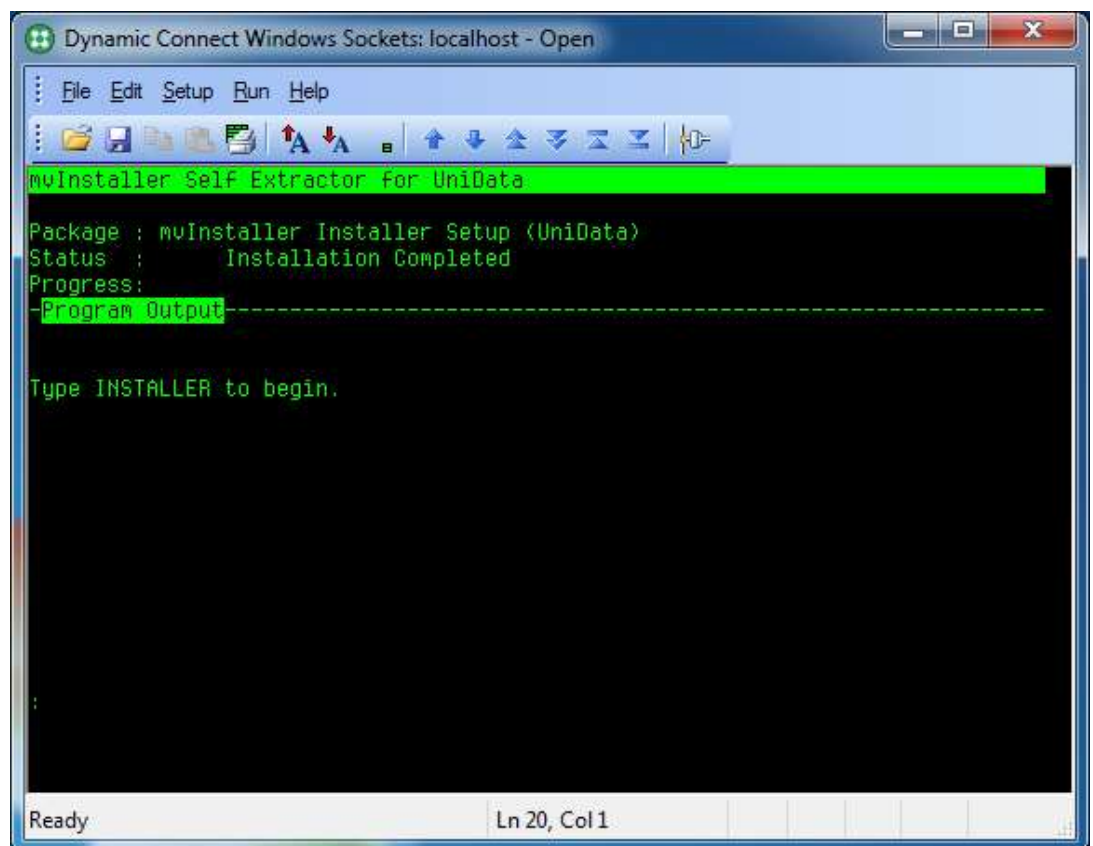
COMPILE AND RUN THE INSTALLER SETUP PROGRAM:

#### UniVerse

BASIC inst.bp installer.uvexe  
RUN Inst.bp installer.uvexe

#### UniData

BASIC inst.bp installer.udtexe  
RUN inst.bp installer.udtexe



```
Dynamic Connect Windows Sockets: localhost - Open
File Edit Setup Run Help
mvInstaller Self Extractor for UniData
Package : mvInstaller Installer Setup (UniData)
Status : Installation Completed
Progress:
-Program Output-----
Type INSTALLER to begin.
```

This will install a new program called INSTALLER, which holds the mvInstaller text based installer.



## COPY THE PACKAGES TO THE SERVER

Copy the required setup package to your server.

IMPORTANT: This must be a binary copy.

|          |                 |
|----------|-----------------|
| UniVerse | MVQUERY_UV.mvi  |
| UniData  | MVQUERY_UDT.mvi |

## RUN THE INSTALLER PROGRAM

Run the INSTALLER program and when prompted enter the full path name to where you have copied the mvi file.

The text-based installer offers the same options as the Windows client installer, so you can follow through the steps using the Next option.

## INSTALLATION ON D3

The installation procedure for D3 differs from that used for UniVerse and UniData. The installation media is provided as a self-installing program that must be copied to your D3 server as below.

### CREATING THE MVQUERY ACCOUNT

You will first need to create a new account in which to run mvQuery. Unless there are strongly compelling reasons not to do so, we recommend that you call this account **mvquery**.

You can create the account using the D3 File Manager. After creating the account, please also create a defining entry in the dm account system file as follows:

```
mvquery
1> QS
2> fsi:mvquery
```

### CREATING THE INSTALLATION FILE

The installation routine needs to be copied to a program file in the new mvQuery account. It is recommended that this is called inst.bp and can be created as follows:

**create-file inst.bp 101,4 101,4**

### COPYING THE INSTALLATION ROUTINES

The installation routines can be found in the d3 folder of the mvQuery Server installation, typically:

c:\Program Files (x86)\Aptron Corporation\mvQuery Server\d3

Copy the **mvQuery.d3exe** routine into the inst.bp file using the Import option from the D3 File Manager.

HINT: make sure that you copy this into the data portion and not the dictionary.

If you upgrading a previous installation, you must clear the original content of the inst.bp folder before importing the routines. The D3 File Manager can (and frequently does) corrupt items when overwriting.

This should then be compiled and run using the commands:

```
compile inst.bp mvQuery.d3exe (o
run inst.bp mvQuery.d3exe
```

This will prompt you to confirm installation:

```
mvInstaller Self Extractor for D3

Package : mvQuery Server for D3
Status  :
Progress:
-Program Output-----

mvInstaller Self Installing File Version 1.2

This will install the package into this account
Do you wish to continue (Y/N) :
```

Enter Y to continue with the installation.

## ENABLING ACCESS USING MVSP

The mvQuery clients connect to a D3 server using the MVSP protocol. You will need to run an MVSP server for each system to which you wish to give access.

Please refer to your D3 documentation on setting up an MVSP server.