

CONFIDENTIAL

## Statement

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# General

## Overview

### 1. Purpose of the manual

The purpose of writing the document is to help setup and configure Visiotech DEMS Plus Docking software to connect to a remote SQL Database installed onto the same network.

### 2. System Requirements

Software Versions:  
DEMS Plus 5.13+

### 3. System Workings

The Visiotech DEMS Plus Software can connect to a central SQL Database allowing multiple DEMS Docking stations installed around an site and allowing any camera to be docked into any location.

This can also be done for Query only setups where the software is used to review and export footage download from any docking station.

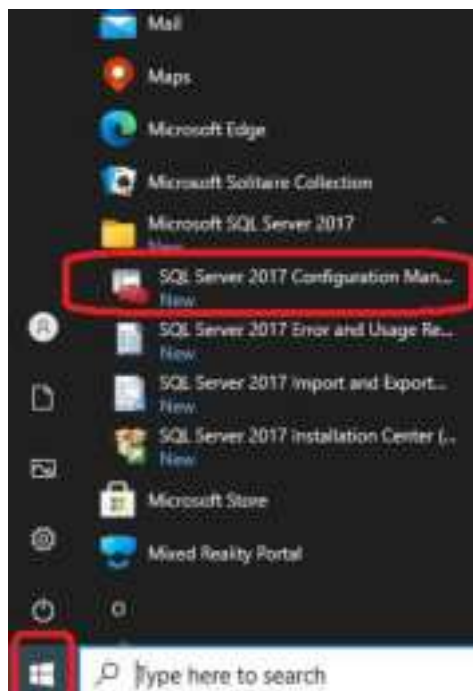
## SQL Express Remote Connection Setup

### 1. SQL Remote Setup

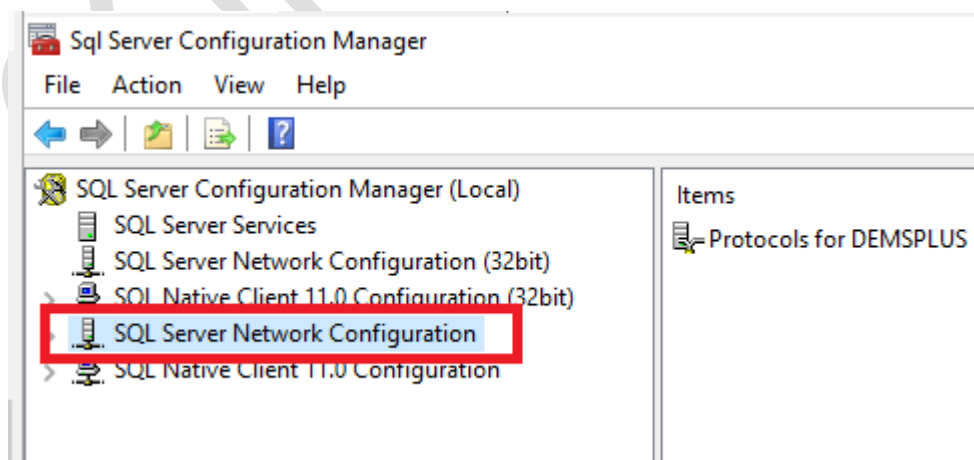
To allow SQL Server Express to accept remote connections

Log into your server that is running the SQL database.

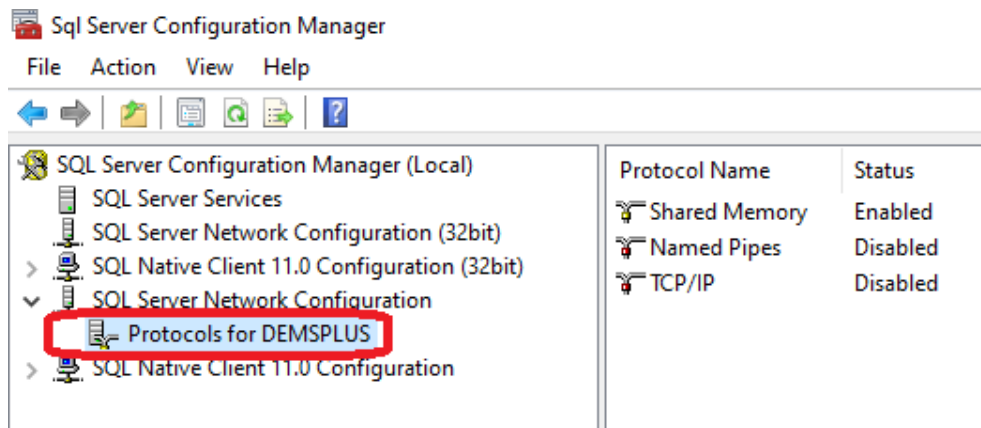
Click Start, Programs, Microsoft SQL Server 2017 and select SQL Server 2017 Configuration Manager.



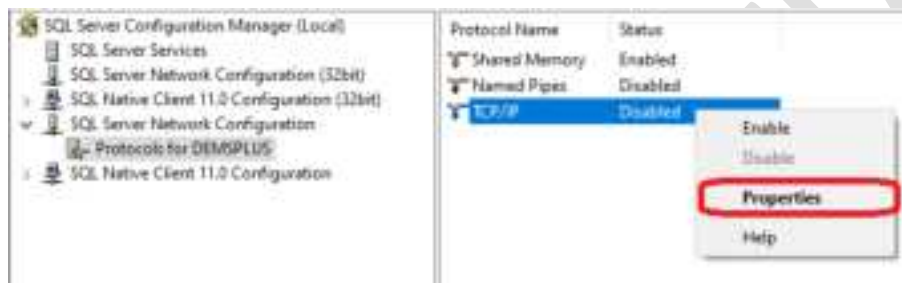
3) Select SQL Server Network Configuration



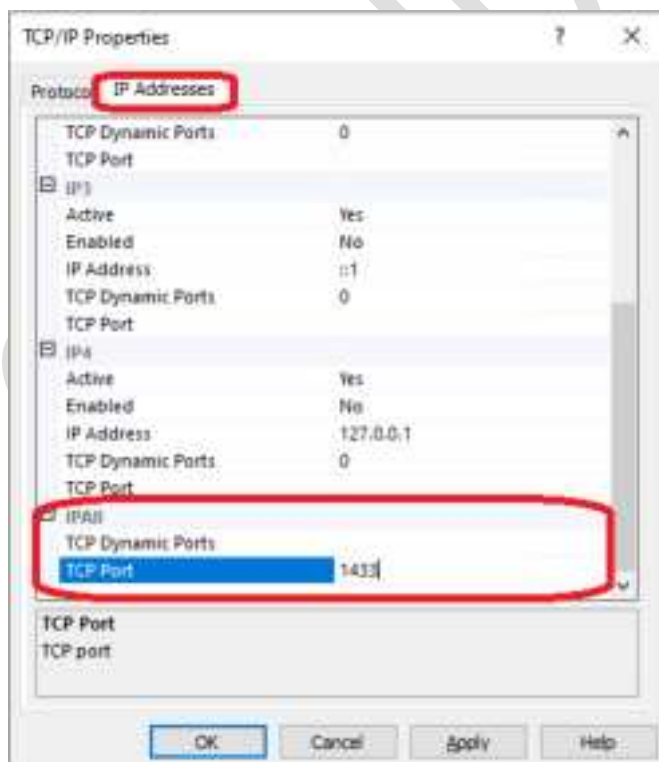
4) Double click on Protocols for SQLEXPRESS



5) Right click TCP/IP and select **Properties**



6) Scroll down to **IPAll** make sure TCP Dynamic Ports is blank and that TCP Port is set to 1433.



7) Click OK

- 8) Make sure that port: 1433 is enable on your VDS
- 9) Mixed mode authentication must also be enabled for remote connections.
- 10) Make sure that the SQL Browser is enabled and running (See next steps).

## 2. Enable the SQL Server Browser service

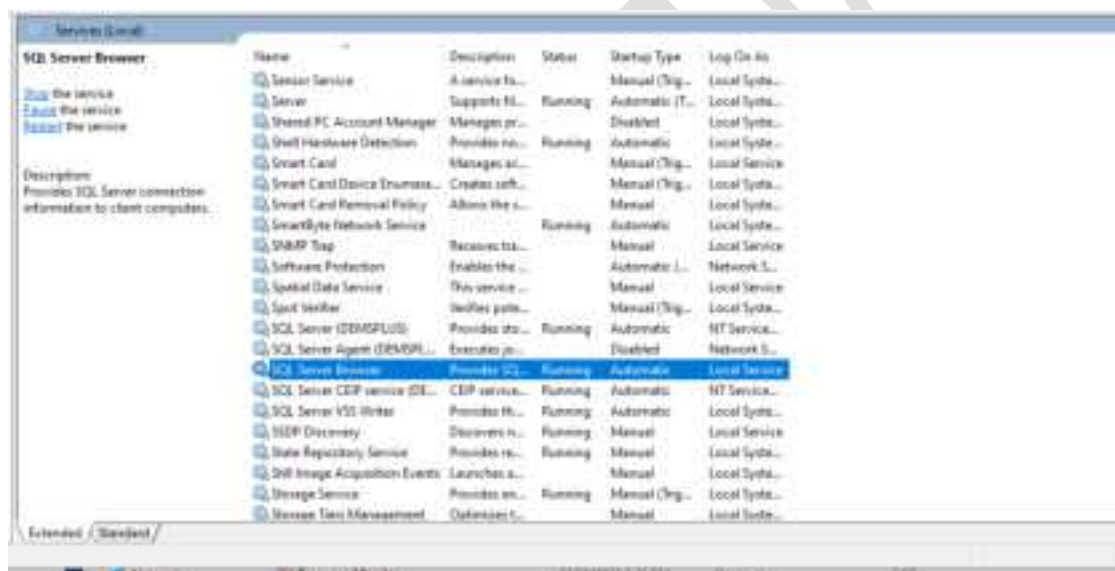
While logged into your server, open Administrative tools from the Start Menu.

Double-click Services to open the services menu.

Right-click on **SQL Server Browser**, then click Properties.

Toggle the Startup Type drop-down menu to Automatic.

Click Apply to save the changes.



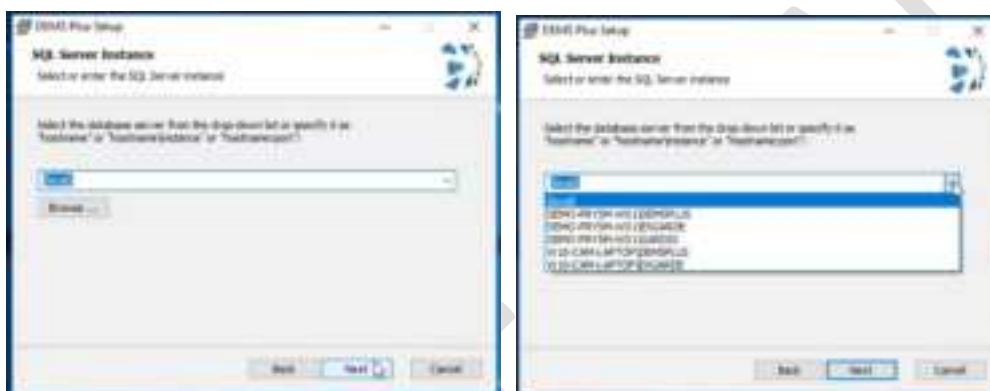
After above is done, Start service and then the SQL Database can be seen across the network

## DEMS Install DEMS Setup

During the install process of the DEMS Docking software there is a section where you can choose a SQL DB (that as already been onto your network) for that installation to be connected.

\*note this can also be changed at a later via a config file

In the setup options below, the dropdown options will show all SQL database that are on open for connection. If the DEMSPLUS DB does not appear then double check the above settings and network settings



## CONFIG File Changes

Visiotech DEMS Plus Docking Software has a config file where you can also update the SQL connection detail.

After the software is first started up, it will encrypt the database connection details.

The config file is located "C:\Program Files (x86)\Visiotech\DEMS Plus\".

The below is the database connection string. To change from a local DB connection you will need to change "localhost" to the PC name where the SQL db is installed.

Eg: dbConn="Driver={SQL Server Native Client 11.0};Server={remote server name}\\DEMSPLUS;Database=DEMS;Uid=DEMSplusLogin;Pwd=DEMSplus2020"

```
[Database]
dbConn="Driver={SQL Server Native Client 11.0};Server=localhost\\DEMSPLUS;Database=DEMS;Uid=DEMSplusLogin;Pwd=DEMSplus2020"
```

\*note; if you current connection string is encrypted, you can copy and paste the above string to replace the encrypted connection sting and the replace "Localhost" with your new remote server name