CPS Data Warehouse Access

- CPS Data Warehouse is separate from your existing EnterpriseRx Data Warehouse.
- After your migration all new CPS data will be available in the CPS Data Warehouse only.
- Data Warehouse is accessed via the Internet. Data Warehouse traffic is always encrypted (SSL/TLS) for all connections.
- Data Warehouse communicates over port 1433 and all connections must originate from a Corporate IP address.
- Outbound traffic over port 1433 must be allowed through your Corporate network's firewall.
- McKesson will whitelist your IP address(es) for access to the Data Warehouse.
- In addition to Azure Data Studio the Data Warehouse can be accessed by inhouse data ingestion tools. See *Connection String examples for data ingestion tools* at the bottom of this document for additional reference.

CPS Data Warehouse Servers

- Production cps-dw.database.windows.net; Database CPS; Port 1433
- UAT cps-dw-uat.database.windows.net; Database CPS; Port 1433
- IP 40.121.158.30 (Same for Prod and UAT); Port 1433
- Authentication type is currently SQL Login. The authentication type will be changing at a later date to allow for password policy support.

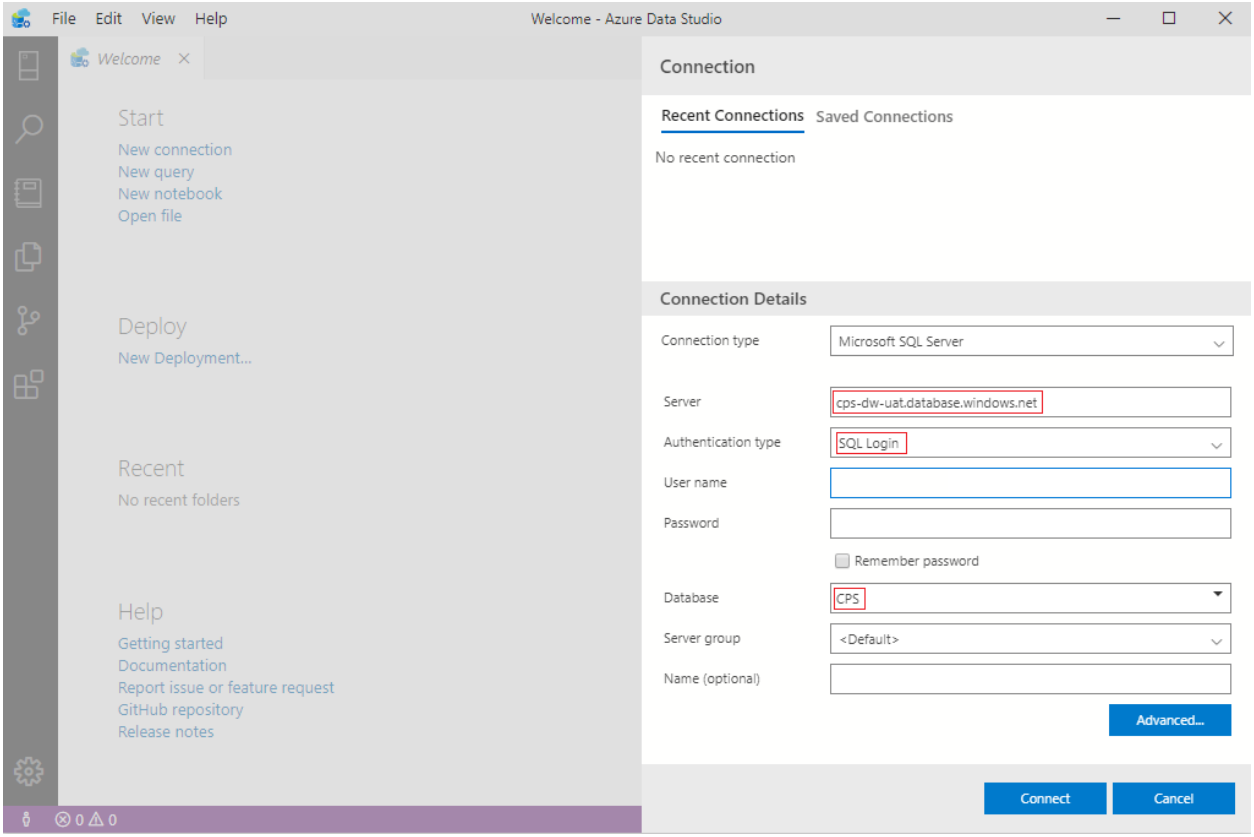
CPS Data Warehouse access test tool: Azure Data Studio

- Download and install Azure Data Studio
- In order to use Azure Data Studio you are required to be on your Corporate VPN with the Data Warehouse traffic routed through port 1433. You can verify your local IP using any of the *What's MY IP* websites.
- This document was created with Azure Data Studio version 1.17.1. Screenshots may not exactly match newer or older versions. These steps may be competed with newer or older versions.

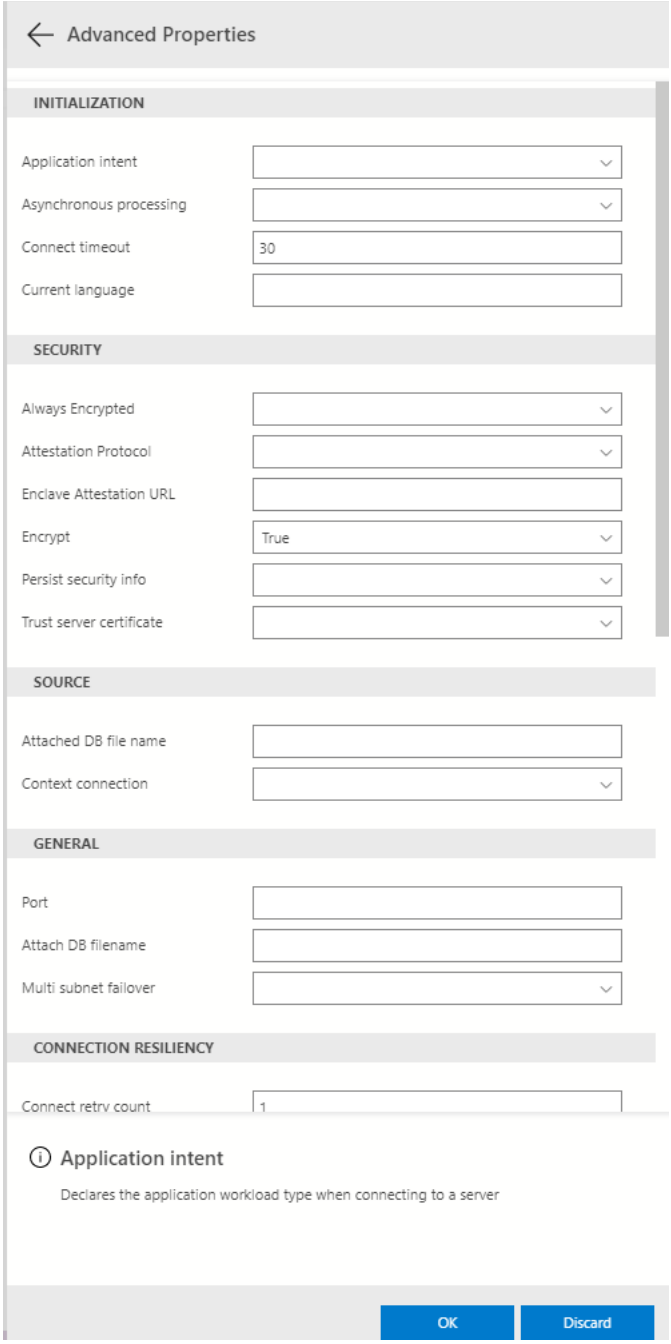
Upon first run of Azure Data Studio after installation.

Click New connection

Connection details:
Connection type: Microsoft SQL Server
Server: cps-dw-uat.database.windows.net
Authentication type: SQL Login
Enter provided User name and Password



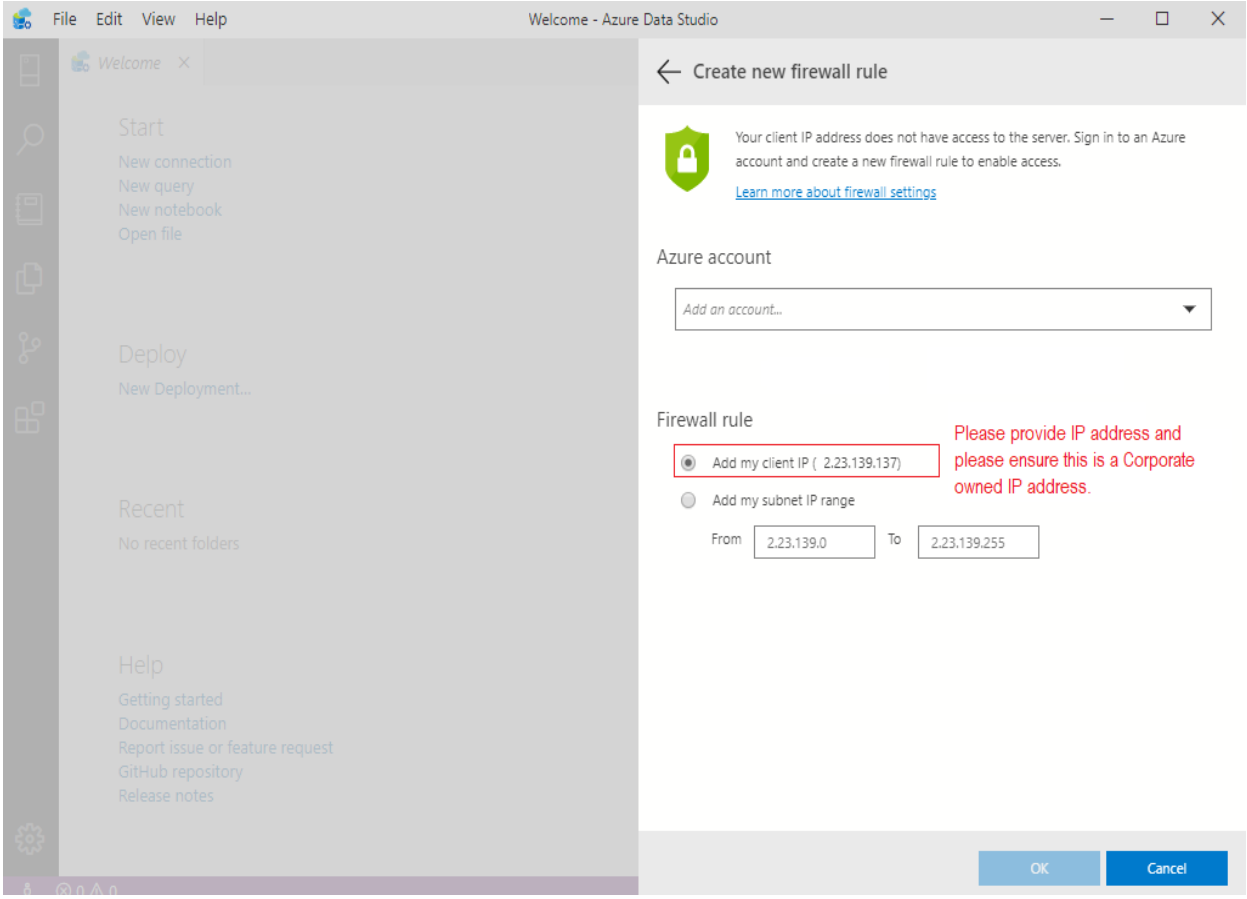
Under Advanced set Encrypt to True



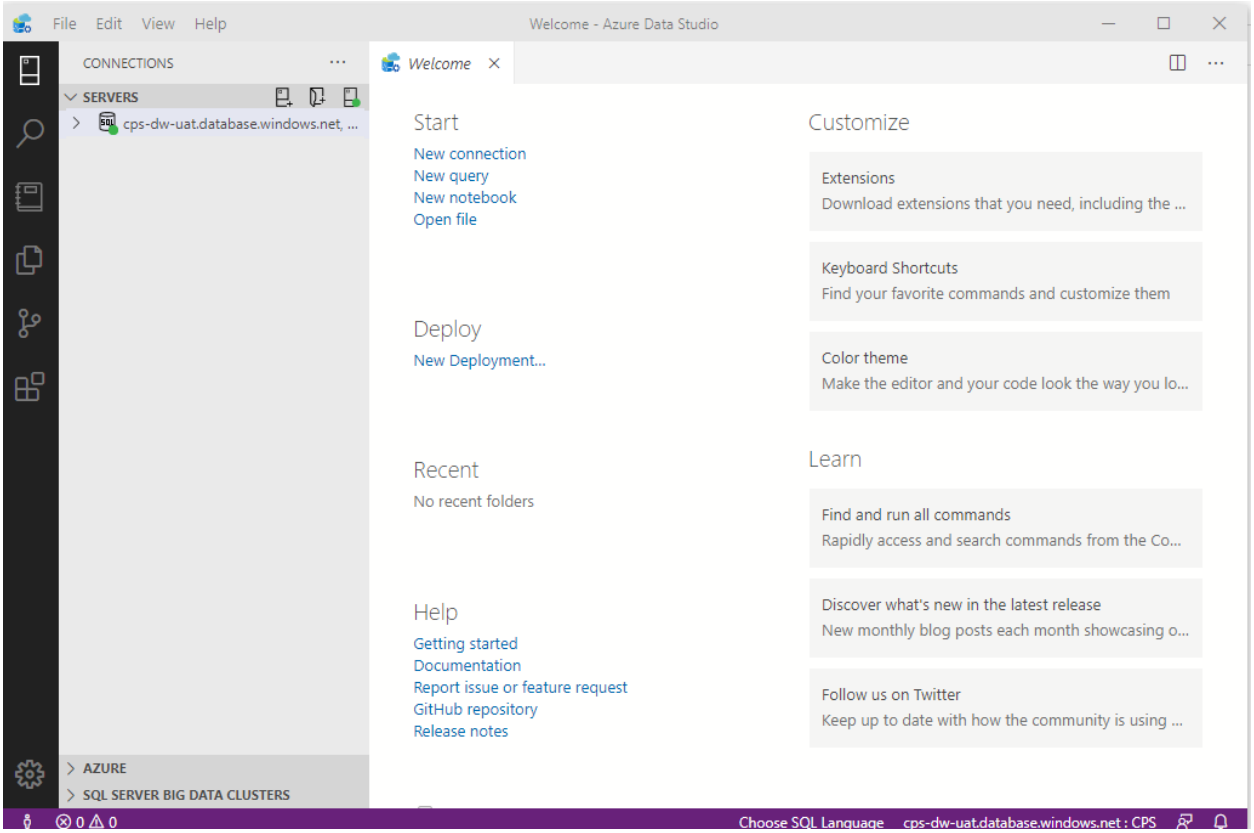
Click Connect. Attempting to login you may be prompted for a Firewall rule.

Please provide your displayed IP(s) to McKesson team. Please ensure that this is your Corporate IP address and not your local Internet Service Provider's address.

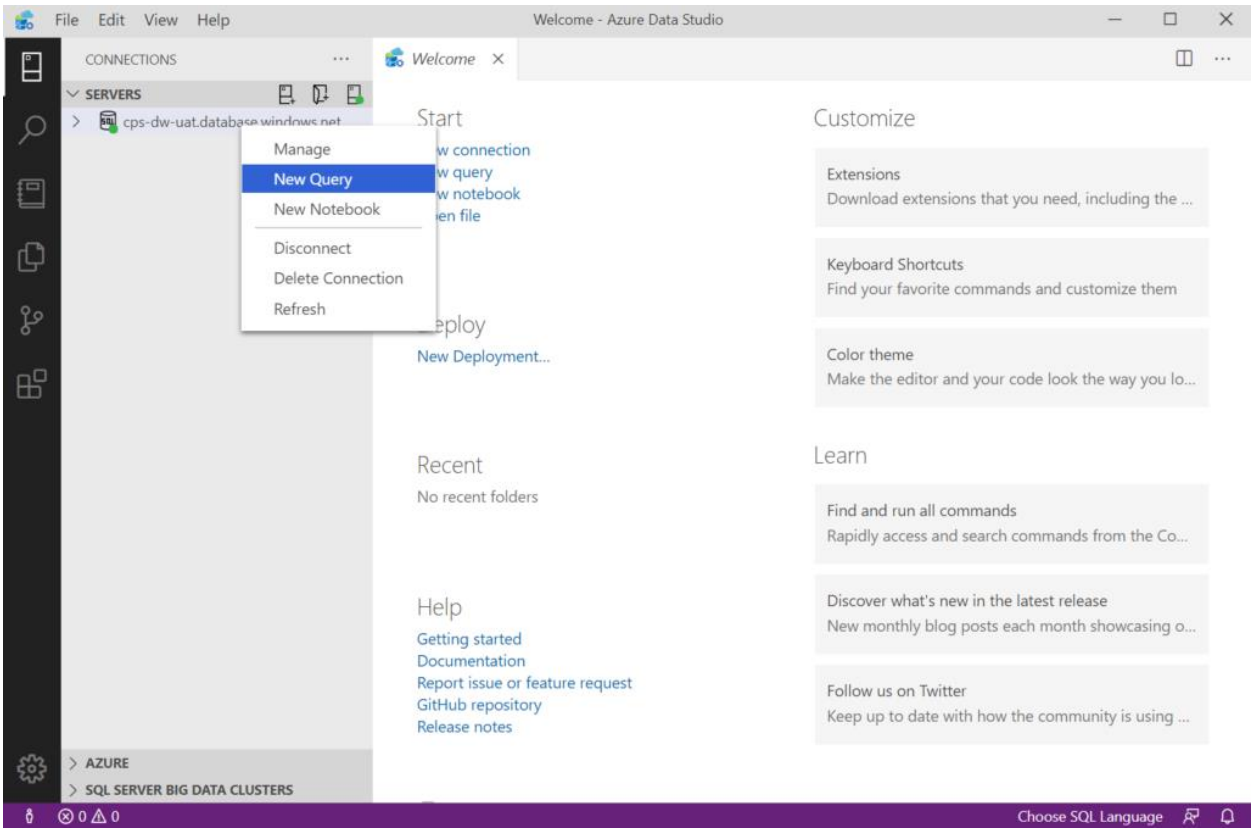
McKesson will advise once the IP(s) has been added to the Firewall.



Once the IP has been added to the Firewall you can proceed with logging in.



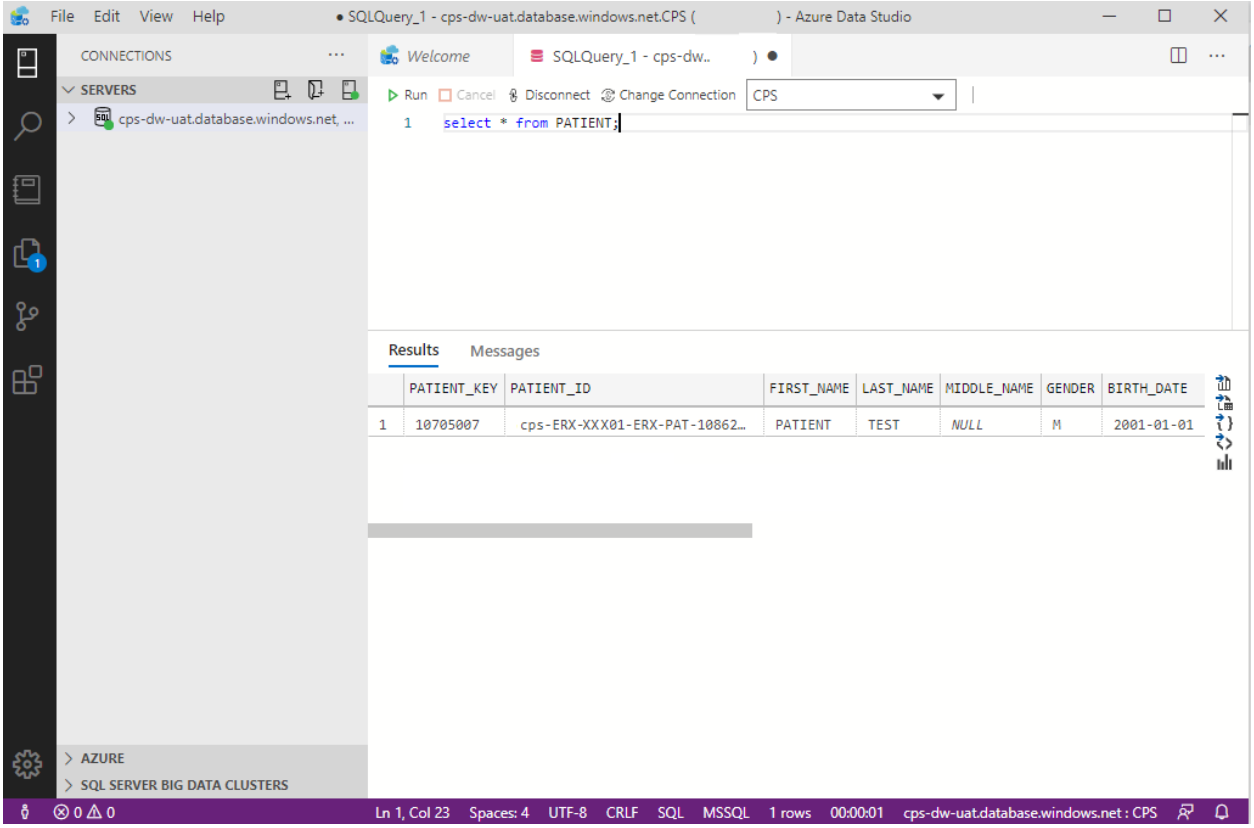
Right click on database name and select “New Query”



In the new query tab enter *select * from PATIENT;*

Click Run

You should see similar result(s) returned from the query.



Connection String example for data ingestion tools:

ADO.NET (SQL authentication):

Server=tcp:cps-dw-uat.database.windows.net,1433;Initial Catalog=CPS;Persist Security Info=False;User ID={your_user};Password={your_password};MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;

JDBC (SQL authentication):

jdbc:sqlserver://cps-dw-uat.database.windows.net:1433;database=CPS;user={your_user};@cps-dw-uat;password={your_password};encrypt=true;trustServerCertificate=false;hostNameInCertificate=*.database.windows.net;loginTimeout=30;

ODBC (Includes Node.js) (SQL authentication):

Driver={ODBC Driver 13 for SQL Server};Server=tcp:cps-dw-uat.database.windows.net,1433;Database=CPS;Uid={your_user};;Pwd={your_password};Encrypt=yes;TrustServerCertificate=no;Connection Timeout=30;

PHP (SQL authentication):

```php
<?php
// PHP Data Objects(PDO) Sample Code:
try {
    $conn = new PDO("sqlsrv:server = tcp:cps-dw-uat.database.windows.net,1433; Database = CPS", "{your_user}", "{your_password}");
    $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
}
catch (PDOException $e) {
    print("Error connecting to SQL Server.");
    die(print_r($e));
}

// SQL Server Extension Sample Code:
$connectionInfo = array("UID" => "{your_user}", "pwd" => "{your_password}", "Database" => "CPS", "LoginTimeout" => 30, "Encrypt" => 1, "TrustServerCertificate" => 0);
$serverName = "tcp:cps-dw-uat.database.windows.net,1433";
$conn = sqlsrv_connect($serverName, $connectionInfo);
?>
```