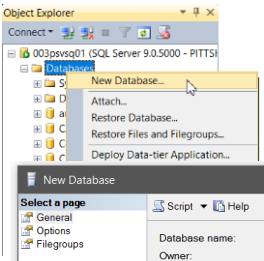
1. SQL Database

Follow these steps to prepare a database for use with **AssetAsyst®**.

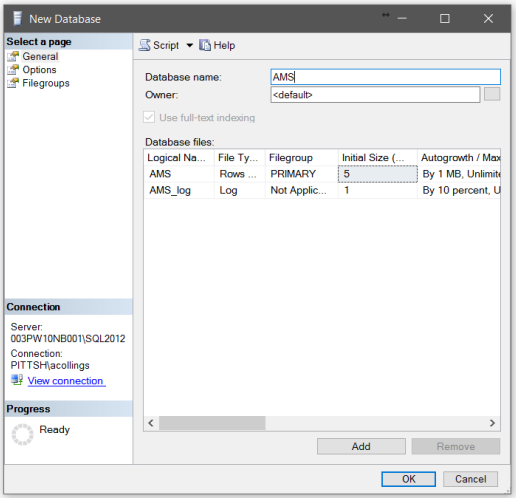
1.1 Create the AMS Database

In order to use **AssetAsyst®** you will need to set up the AMS database on your SQL Server.

1.1.1 Create a New Database



The first step is to create a new blank database in *SQL Management Studio*. The blank database will be used to restore the backup into.
Select the appropriate server from the tree and right *click* on *Databases*, then choose "**New Database**".



Name the new database "**AMS**", and then *click* on the '**Data Files**' tab.
A database consists of two files,

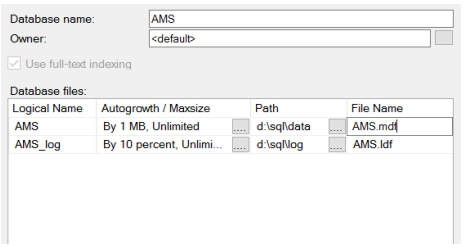
- Data file
- Transaction log

In the next step we will look at where those two files are to be created.

NOTE: refer to Getting Started – 1.2 Create Training Database to see how to prepare the testing environment.

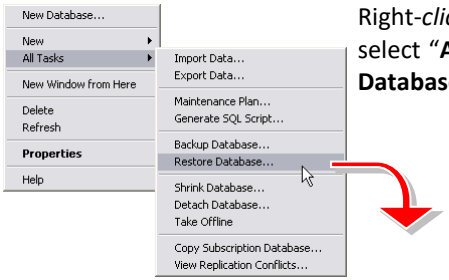
NOTE: When upgrading AssetAsyst® the upgrade code should be initiated by a user with administration rights on the SQL server and is set as dbo on the AMS db.

Enter the path and file names for the two logical files that will make up the database. You can *click* the '**...**' button to browse to the file location.
You may change the location or keep the default one.



NOTE: Please note where the files are located and the names of the files as you will need to know this later in the restoring process.

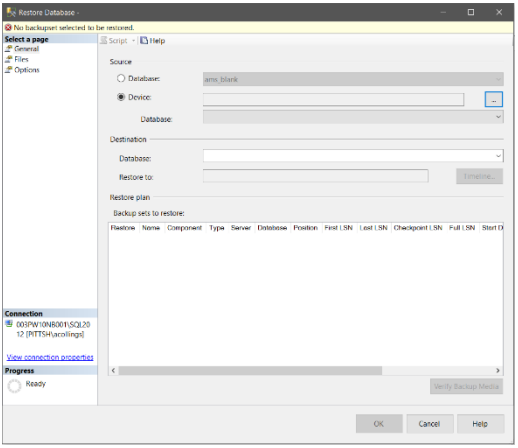
1.1.2 Restore a Database



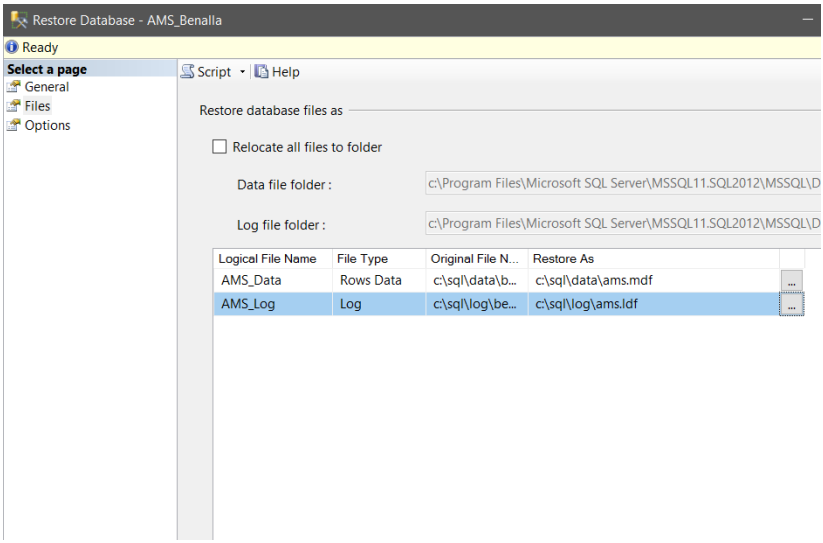
Right-*click* on the new 'AMS Database' and select "**All Tasks**" and then *click*, "**Restore Database**".

Set the source to "Device" and click the ellipse button to browse for the BAK file provided by **pitt&sherry**.

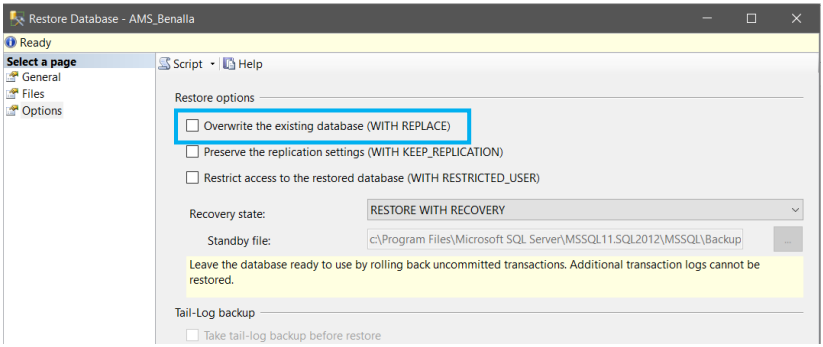
Set the destination database to AMS.



Open the Files page and enter the file path of the data and transaction log files (that you created in the previous step).



Click the **"Options"** tab and *Click* the **"Force restore over existing database"** checkbox. This will ensure the data restores, even though it may be a different database.



Then *click* "**OK**" to begin the database restore process.

Wait while the database restores, you will be informed when it is completed.

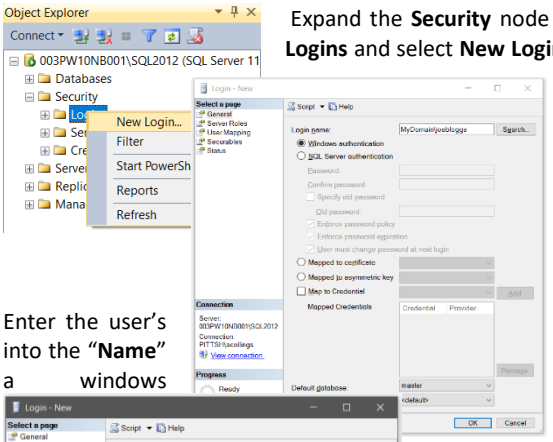
Once this database restore process has been completed, **Asset*Asyst*®** can be installed on any computer in the office that has access to the SQL database just created.

1.2 Create Training Database

To create a TRAINING DATABASE for training or testing sessions so as not to corrupt your live data; create a new database called "**AMS_training**" by following the directions in Section 1 - 1.1 & 1.3 - Creating the Database. This database can be accessed by switching from '**live**' to '**training**' on the Login screen and Connection Settings window.

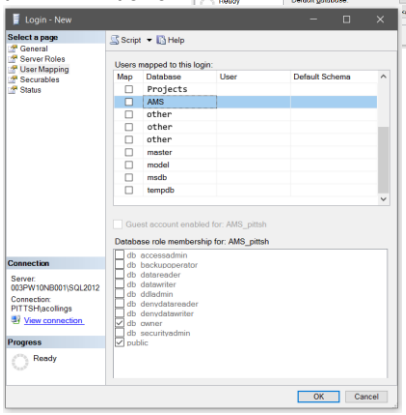
1.3 Setting Permissions using Management Studio

Road*Asyst*® requires access to your SQL database, it also requires your users have access to the new database you have just created. You will need to create User Logins under SQL Server and give them permission to the '**AMS**' database.



Expand the **Security** node on the tree. Right *click* on **Logins** and select **New Login**. This opens the new login form.

Enter the user's into the "**Name**" a windows



Windows Login Name text box. If you are using domain, enter the "**Domain**" name.

In the user mappings page, assign the user to the AMS database and give them suitable permissions.

Any users that are going to be permitted to perform upgrades of the dataset will require the db_owner permission. At a minimum, users will require the db_reader, db_writer and db_executor permissions. The db_executor role does not exist by default, but can be created using the following TSQL.

```
CREATE ROLE db_executor
```

```
GRANT EXECUTE TO db_executor
```

1.4 Database Maintenance Plans

It is a good idea to create a maintenance plan on your newly created AMS database. Maintenance plans can be used to carry out automatic tasks for you, such as backing up the database.

2. Installing SQL Express

Asset*Asyst*® offers two mobility solutions for inspectors. The first is the mobile mode option, where a laptop can download the entire database and work offline. This is popular with road inspectors. The other option is to use our Inspector app on a phone or tablet.

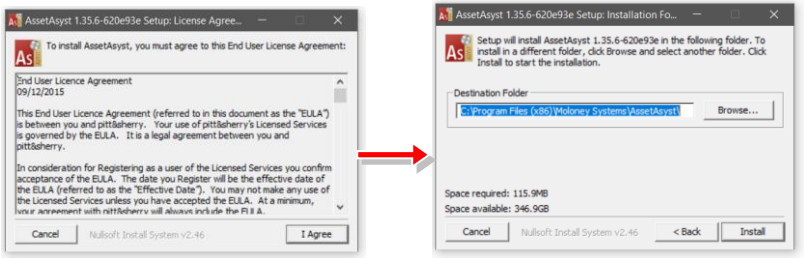
To use the mobile mode on a laptop, SQL Express needs to be installed. This needs to be the same version of SQL as that on your main server. For example, if your server is running SQL Server 2016 then the laptop will need to run SQL Express 2016. This can be downloaded free from Microsoft.

To complete the Mobile Setup, go to 4.3 - Mobile Server Setup

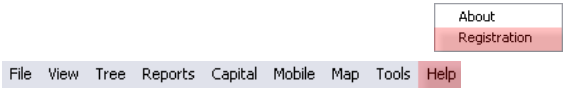
3. Install & Registration

3.1 Install AssetAsyst®

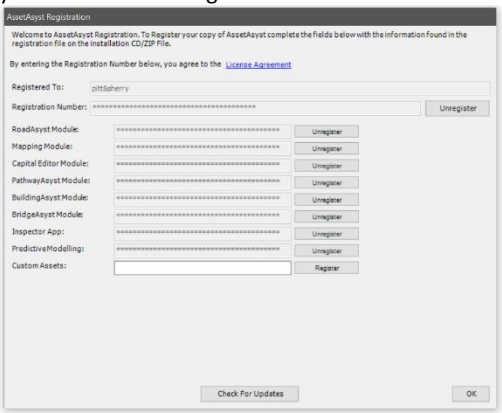
To install **AssetAsyst®**, run "**AssetAsyst setup.exe**". This Shortcut  will appear on the desktop. The default installation folder is C:\Program Files\Moloney Systems\AssetAsyst



3.2 Register



At least one module will need to be registered at the initial login stage. Only users with rights to obtain updates are able to login to this page. To register a new module, you can access the registration screen from the "**Help**" menu.



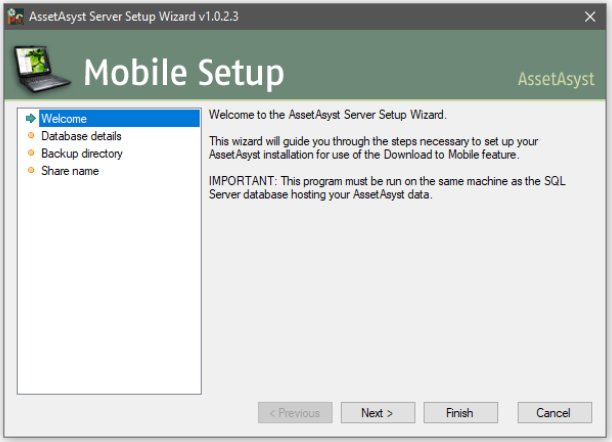
To registration each module, enter the registration code in the area provided and *click "***Register**" for each module. Your organisations registration details are the same details you use to log in to the download centre. **pitt&sherry** will provide these details to you.

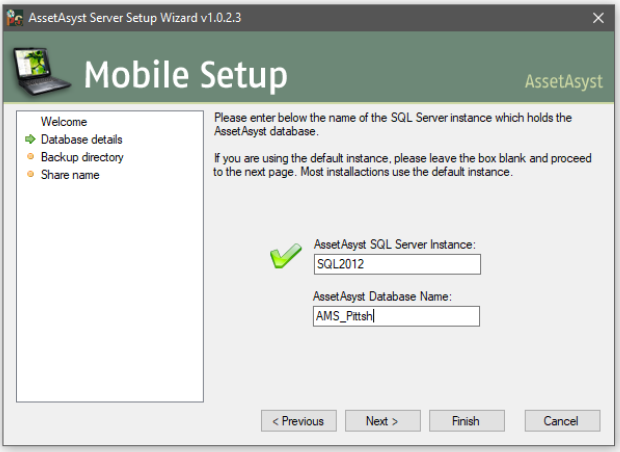
Please contact *support* for registration.

3.3 Mobile Server Setup

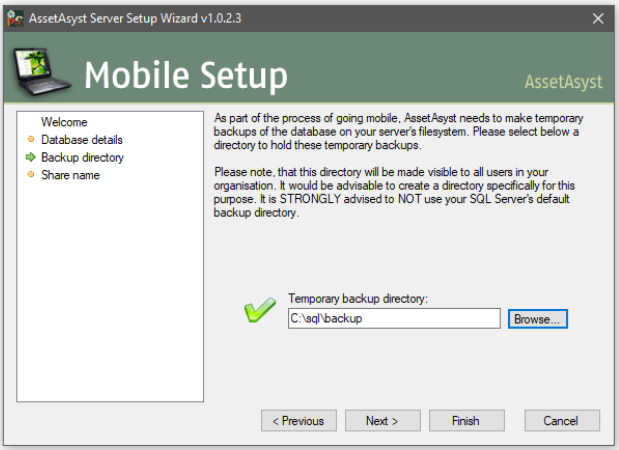
This setup wizard should be run **from you SQL Server** once the **AssetAsyst®** AMS database has been created and restored to the SQL server.

Creates directory on SQL Server and then shares that directory. It records some information in the server 'AMS' database that allows **AssetAsyst®** to download to the local SQL Express database on the local mobile device.

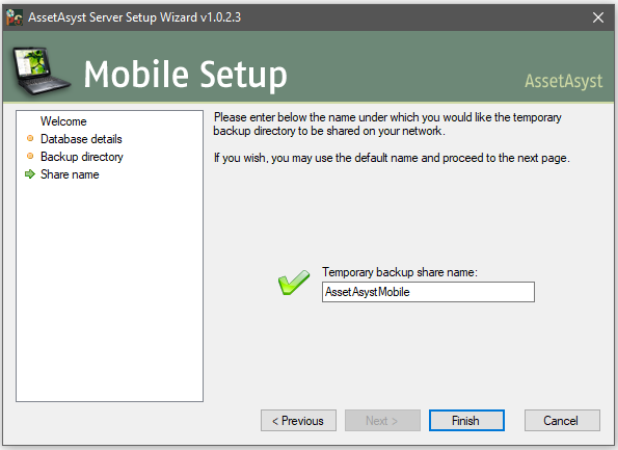




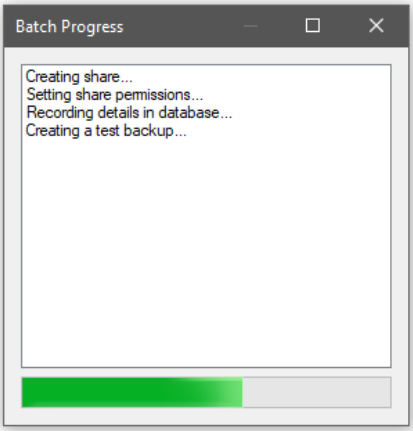
Enter a directory on the server



Enter a temporary directory on the local computer.



The share will now be created and the information registered in the Asset*Asyst*® database. Mobile setup is now complete.



transport | community | mining | industrial | food & beverage | carbon & energy



Brisbane
Level 2
276 Edward Street
Brisbane QLD 4000
T: (07) 3221 0080
F: (07) 3221 0083

Hobart
199 Macquarie Street
GPO Box 94
Hobart TAS 7001
T: (03) 6210 1400
F: (03) 6223 1299

Melbourne
Level 1, HWT Tower
40 City Road
Southbank VIC 3006
PO Box 259
South Melbourne VIC 3205
T: (03) 9682 5290
F: (03) 9682 5292

E: info@pittsh.com.au
W: www.pittsh.com.au

incorporated as
Pitt & Sherry (Operations) Pty Ltd
ABN 67 140 184 309

Devonport
Level 1
35 Oldaker Street
PO Box 836
Devonport TAS 7310
T: (03) 6424 1641
F: (03) 6424 9215

Launceston
Level 4
113 Cimitiere Street
PO Box 1409
Launceston TAS 7250
T: (03) 6323 1900
F: (03) 6334 4651

Sydney
Ground Floor Reception
100 Walker Street
PO Box 1142
North Sydney NSW 2060
T: (02) 8404 4121

CONSULT AUSTRALIA
Member Firm

pitt&sherry