



# ProVal LS Single Cashflow

Installation Guide

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## Prerequisites

### Licensing SDS ProVal LS

SDS ProVal is licensed on a **named user** basis. The Windows user profile will be used to create the licence key. This means a licenced Windows user can log onto any PC and use the software without restriction. ***It is not a concurrent licence model.*** Once the licensed number of users have logged in for the first time, no other users will be permitted.

### Technical Requirements

***It is Vital that ProVal is supplied with the minimum CPU and RAM requirements.***

Please refer to our Technical requirements document for full details.

**Note: Minimum MS SQL Server support is 2016**

ProVal LS is an independent application and does not require Microsoft Office to run. It is written using the Microsoft .NET Framework (requires both .NET 3.5 and 4.5 to be installed). It can be installed directly onto a PC, or delivered via a remote services tier, such as Citrix or Windows Terminal Services.

## Requirements for the application machine

### *Software Environment Support*

Microsoft Windows 10 x64 / 11 (x86 32bit OS's not supported)

Microsoft .NET 3.5 and 4.5 or newer

Microsoft Windows Server x64 2014, 2016 or 2019

Microsoft SQL Server x64 2016, 2017, 2019 and 2022

### *Hardware*

**8 cores per user (if this is a physical machine then 4 cores *if* they support multithreading)**  
**8GB RAM per user**



## Requirements for the SQL Database Server

Our applications work with SQL Server Express but if you have more than around 4-6 users the limitations of SQL Express (CPU / RAM) are likely to cause performance issues.

NOTE: We do NOT support Azure SQL

	SQL Server 2016/2017/2019/2022
System memory	16GB
CPU cores	8
Architecture	64 bit
Disk	SSD, 5GB

## Logging Support Calls

*Please whitelist both our support email addresses to ensure all our responses reach you*  
[support@shelton.freshdesk.com](mailto:support@shelton.freshdesk.com)

To log support calls please either email the above address or [support@s-d-s.co.uk](mailto:support@s-d-s.co.uk) or go to <https://www.s-d-s.co.uk/support> on our website or call 01483 278444 Option 2.

## Remote Support

To enable SDS to provide support we will sometimes require access to your system. Most commonly we would choose to do this via a screenshare as we need to see the steps that the user has taken to produce the question that they are asking.

Our preferred connections are Microsoft Teams. If you prefer another screenshare application then we can use that.



If you provision the application through something like Citrix we may request a Guest account but this is less common than the screenshare option.

Beyond this point we may require to perform a deep dive into your database, we don't do this on a live system and will request a backup of the SDSProValWorking database so that we can work on it in our lab. We may also request this if you commission us to write a report as each database is unique to the organization.

## Notes on MS SQL

Please ensure-

TCP/IP is enabled in MS SQL

ICMP is enabled in MS SQL

By default we use Port 1433 but this can be changed - if it is changed the amended port number must be included in the 'Server' field of ProVal such as Server,1435

During operation the application will Ping the SQL server to confirm connection - please ensure Ping is NOT disabled.

## Introduction

You are now going to download and install SDS ProVal. There are 2 components, the client application (SDS ProVal LS) and the MS SQL Database. You will need access to the internet as well as administrator access to both the server and client computers. A basic knowledge of SQL Server Management application and how to open a SQL script and edit a few lines will be helpful.

***ALL INSTALLATIONS OF THE CLIENT SOFTWARE MUST BE THE SAME REVISION***

## Downloading the Database File

1. Click on the link provided in the email sent by SDS to download your company's bespoke database file. This file is a backup (.BAK) and will be in a zipped form and will need to be extracted.
2. Copy the file to a suitable place, typically 'C:\Program Files\Microsoft SQL Server\MSSQL.L\Backup\SDSProValWorking.bak'

**NOTE:** If this is the primary database it **MUST** be called SDSProValWorking



## Installation of the database using the SQL script

**IMPORTANT:** For ProVal LS to function there must be a database called SDSProValWorking that it can access

1. Please make sure that the SQL installation is running in "*mixed mode*". If you are unsure, from within SQL Management Studio Program right mouse click on the "server name", go to the security selection in the tree, "SQL Server and Windows Authentication Mode" should be the selected radial button.
2. **Special Note:** All of our applications (ProVal LS & Sequel) use TCP/IP to connect to the SQL server please make sure that this protocol is turned on for your SQL server and you will need to know the listening port number if it is not the default 1433. If you are unsure of how to check this please call us.
3. Open the SQL Server Management application and login to the correct instance as a suitable database administrator, ie. 'sa'. Make a note of the 'server/instance name' as the clients will need this to use the correct database when logging into the application.
4. For a new installation skip point 5.
5. **THIS POINT ONLY APPLIES TO TRAINING / TEST DATABASES.** If you wish to have a database with a different name from 'SDSProValWorking' then right click at the top of the database tree and select 'New Database'. This database name must have 'SDSProVal' as a prefix to your new database name. Then restore your SDSProValWorking backup onto your newly created database. Then run the script 'ProVal\_Fix\_Users\_Logins\_Only' against this new database to reconnect the database.
6. If you are creating a new database go to File open and select the 'SDSProValWorking Installation Script.sql' file attached to the email or in your downloaded zip file.
7. If you are changing the name of the database you will need to replace all instances of SDSProValWorking in the script with SDSProVal<YourChosenName>. The backup folder location must be the same place that you saved the 'SDSProValWorking.bak'. The script file will do the following:-



- i. Create the logins necessary for SDS ProVal, which are "SDS User" and "SDS Query".  
(Do **NOT** alter the passwords being set otherwise the program will not know how to talk to the database)
- ii. An empty database will be created with the correct naming syntax.
- iii. Restore the emailed database into the empty database that has just been prepared.
- iv. Assign the correct roles to the logins created in i.

8. Execute the script.

This completes the database installation as long as there were no errors. If you do get errors please check the folder and file adjustments that you made earlier and run the script again.

### Downloading the Client Software

Click on the following link to access the software downloads page of our website:

<https://s-d-s.co.uk/downloads/>

Download the client software and save the zip in a suitable temporary location (*your desktop is a good place*).

### Installation of Client Software

1. Extract the client ZIP file and you will have a 64-bit installer available.
2. Run the .msi installer
3. Make the required selections and the program files will install into the correct folders. A shortcut will have been created for the "Desktop" as well as in the Shelton Development Services menu selection.

4. You are now able to run the application

Note: The database you have been supplied may have been built on an earlier version of ProVal. When the application connects to the database for the first time after upgrading the application a database upgrade window might appear prompting you to update, the YES option must be selected. Wait for the database upgrade to finish, then restart the application.

#### Note:

- The application won't function until the database is installed.

[www.s-d-s.co.uk](http://www.s-d-s.co.uk)



## Re - Installation or Upgrading of Client Software

***NOTE: If the application is installed in multiple locations they MUST all be updated at the same time or the older versions of the software will be unable to connect to the database***

1. Best practice is to backup the database prior to an upgrade.
2. Make a note of the SQL Server name as the users may need to re-input this the first time they connect after the upgrade.
3. Uninstall the previous version.
4. Extract the client ZIP file and you will have a 64-bit installer available.
5. Run the setup.msi installer
6. Make the required selections and the program files will install into the correct folders. A shortcut will have been created for the "Desktop" as well as in the Shelton Development Services menu selection.
7. You are now able to run the application
8. When the application connects to the database for the first time after upgrading the application a database upgrade window might appear prompting you to update, the YES option must be selected. Wait for the database upgrade to finish, then restart the application.

## Running and testing the application (new install)

Once the database is installed, start the SDS ProVal LS application. The application will require inputting the 'SQL server name\instancename'. Use the dropdown menu for the Database field to select the required database. The default database will display as 'Working' (it suppresses the 'SDSProVal....' element of the database name)



A screenshot of a login dialog box for the SDS software. The dialog box is gray and contains the following fields and controls:

- Server:
- Database:
- User:  (with a dropdown arrow)
- Password:
- A link labeled [Change Password](#)
- An

## Customer Database

If you are using a database that has been sent to you as a New Supply, built especially for your organisation, then only a single user, UserA will be active (see below for password) and is set to the Administrator Role. Please do not change this, it is used by the Trainer in the initial training to demonstrate how new users are created



## Timed Trial Database

If you are using the "Timed Trial" database two users are pre-programmed into the database and they are:

User:	Password:	Role
UserA	UserA	(Administrators)
UserB	UserB	(General Users)

and the passwords match each login name respectively.

**Note:** Passwords are case sensitive.

This User configuration is only valid for "Timed Trial" databases, for New Supply customers only UserA will exist.

## Registry options

The standard installation of SDS ProVal LS will write the username and database server to the HKEY\_Current\_User/Software key. This is used to save the user re-entering these each time they run the application. If you would prefer not to use the registry, please modify the application shortcut as follows:

```
../SDSProValLS.exe [/Server=address] [/User=username]
```

The **/Server** command line option allows you to change the default database server:-

eg. server=192.168.0.8

eg. server=myServer.myDomain.local

If the server is running on a non-standard port:-

eg. "server=myServer,1513"

If the server is on a non-default instance:-

eg. "server= myServer \instanceName"

The **/User** command line option allows you to specify the default name with which to try to log in to ProValLS. Note that this is not the database login name, which will always be either "sds user" or "sds query" depending on the application's need to read or write from

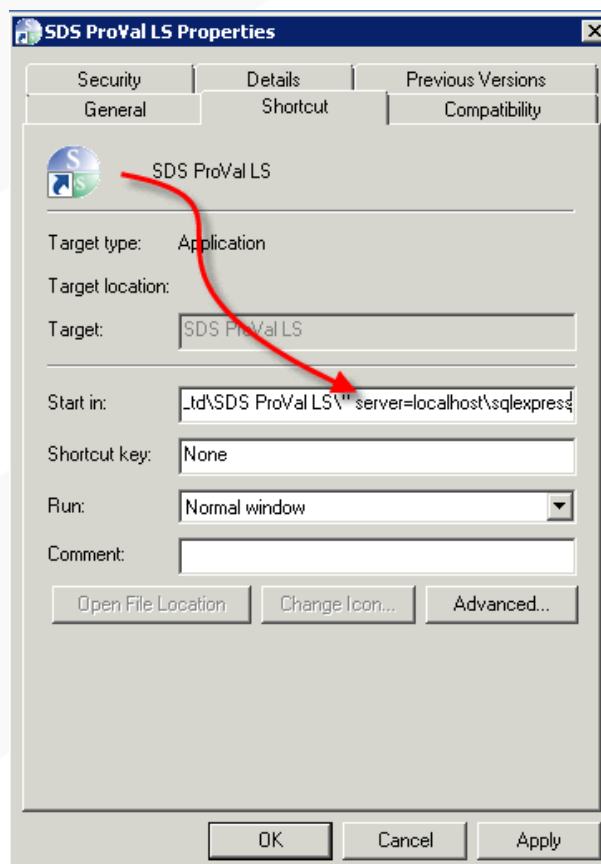
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the database, but the username chosen by the user. Please do NOT change the user logins on the SQL server side as this will stop the program from working all together. These user settings are encoded in the client software and are not accessible by any user.

In the shortcut the Target is the line to be altered for the command line method see example below:



A Typical example is:

"C:\Program Files\Shelton Development Services Ltd\SDS ProVal LS\SDSProValLS.exe"  
server=<yourservername> database=working user=<your domain name>%username%

Where the server = localhost , database=SDSProValWorking and the user is  
DomainName\UserName



Please **NOTE** that the trial version has particular user names i.e. UserA that will not be part of your domain so will have to be manually typed in each time. This is intentional and will not be a problem when you get the full release version of ProValLS licensed to your organisation.