vMEDIA

Using SQL-Server with vMedia

Presented by Luis Gomez

MASTERMIND SERIES

Presented by VERTICAN TECHNOLOGIES

Resources

- vConnect Article on vMedia:
  - The Future of vMedia: SQL Server
- Introducing Attorney Meaningful Review (AMR) in Collection-Master
  - Presentation – Video
- Current vConnect Software Tips:
  - https://www.vertican.com/vconnect/#tips

Using SQL-Server with vMedia

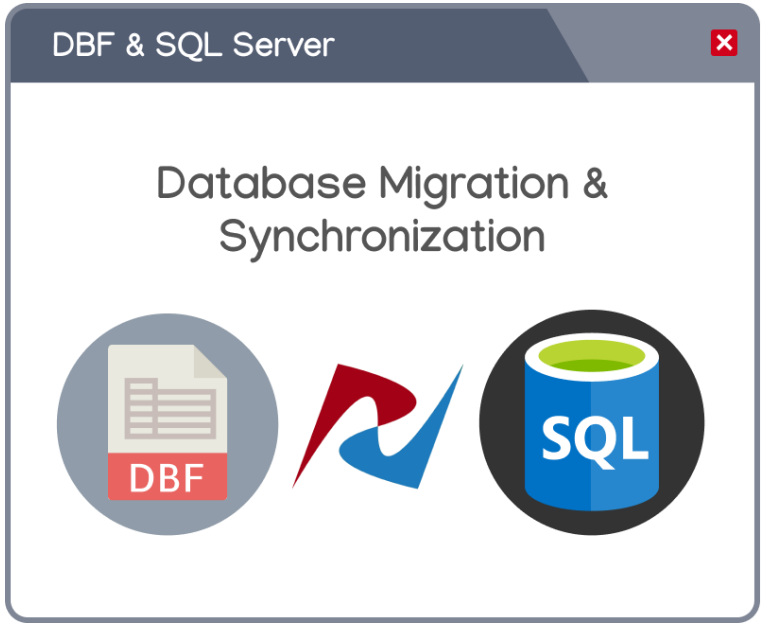
- Image Master & DBF Files
  - DBF Limits
  - Data integrity
  - Compliance risks
- vMedia & SQL Server Databases
  - SQL Server Standard Edition
- SQL Server & vMedia 3.x
  - SQL Server service accounts
  - New features are SQL Server only
  - vAdmin
  - UserTrack
- vMedia & Q-LawE
  - Tightly integrated
  - AMR
  - DOCID

Image-Master & DBF Files

- Last release Image-Master 7 – 2015
- Media Metadata stored in DBF Files
  - 2GB hard limit
  - Field and record size limits
  - Opened in “Distributed Mode”
    - SMB 2 & 3 put DBF Files at risk
    - End Task, crashing, rebooting put data at risk
    - DBF Files may be viewed outside of vMedia
  - Unencrypted files available to end users

vMedia & SQL-Server Databases

- vMedia 1.0 release in 10/2015
- Legacy compatibility / DBF Files
- Migration tool to SQL-Server databases
  - Database limits defined by SQL-Server
  - Much larger field & record size limits
  - Opened in “Client Server”
    - Data integrity assured even with system failure
    - Improved backup capabilities
    - Data is protected by SQL-Server
  - Enterprise support ensures scalability

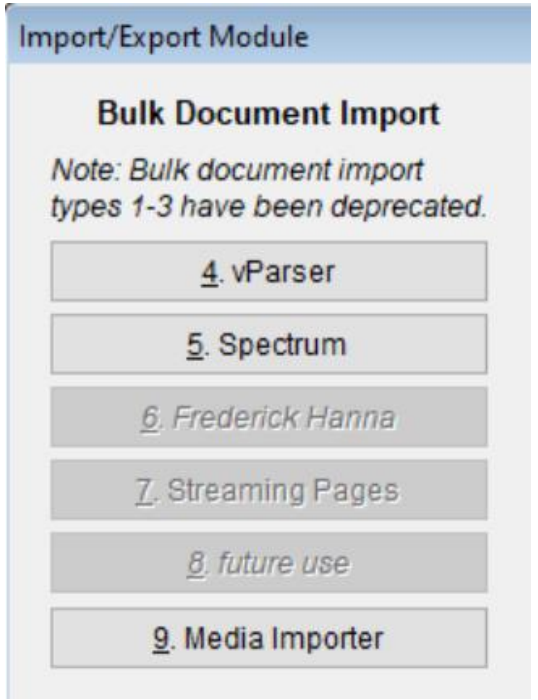


SQL-Server Service Accounts

- Traditionally, every user required Windows rights to the vMedia database
  - Users had the ability to connect to SQL-Server and view/modify info
- SQL-Server “Service Account”
  - Single SQL-Server User
  - Provided rights to “Database” (SQL Table)
  - Users do not need to have access to the SQL-Server database
  - Specific changes to configuration and SQL-Server right required to change

New Features are SQL-Server Only

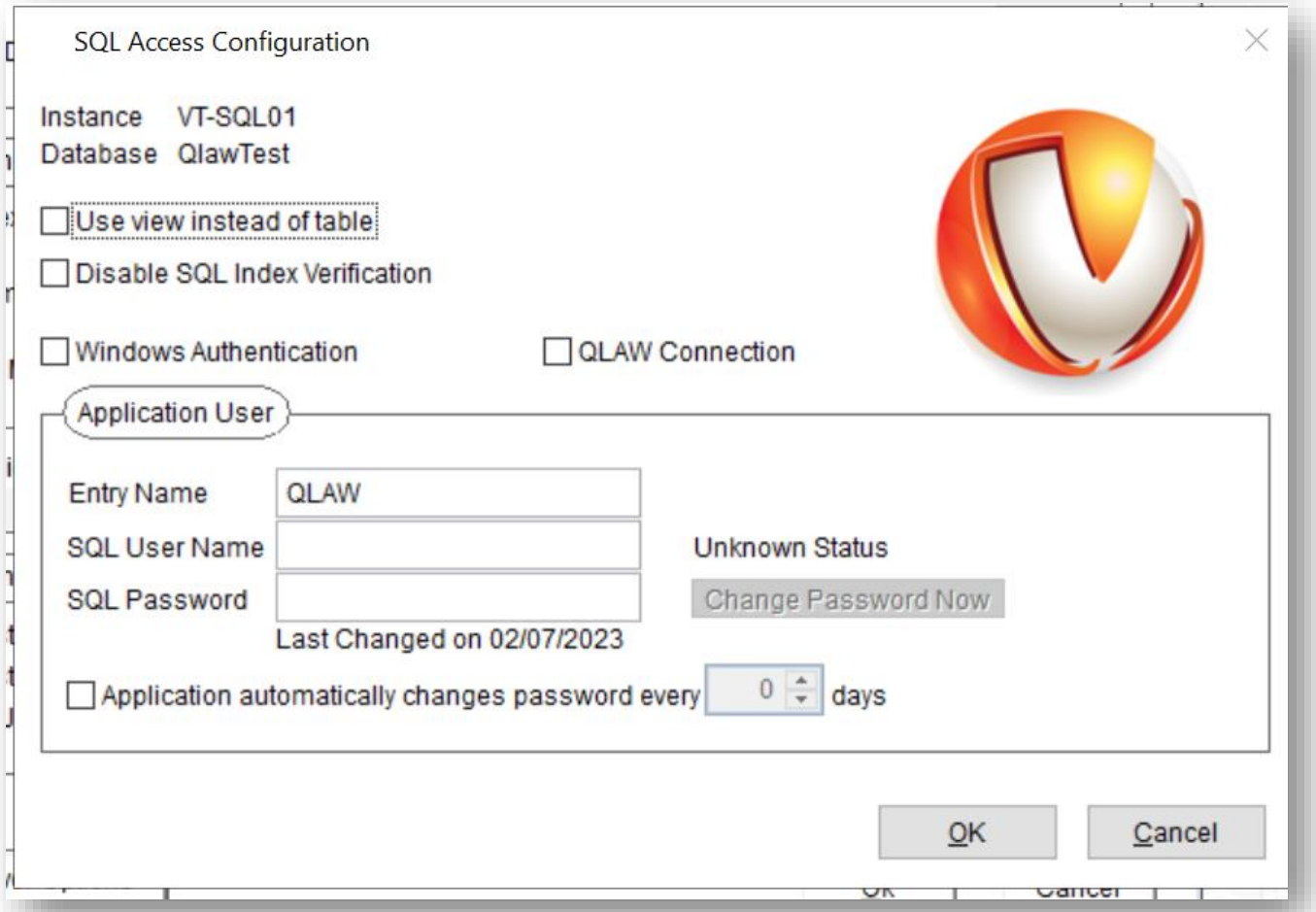
- Migrate to SQL-Server as soon as convenient
- Switching is compelling
- Legacy Importers have been depreciated
  - Replaced by Spectrum Importer
  - If you are still using a Legacy Importer, it's time to switch to Spectrum



Full Integration with Q-LawE

- Leverage both vMedia & Q-LawE features
- Q-LawE – Scandoc
  - Q-LawE stores metadata here
  - vMedia will share the same metadata & documents
  - Scan / add media through either product
  - Search / view media through either product
- SQL-Server Options
  - Use view instead of table
  - Disable SQL Index Verification
  - Windows authentication
  - QLAW Connection – Indicator that Q-LawE is connected

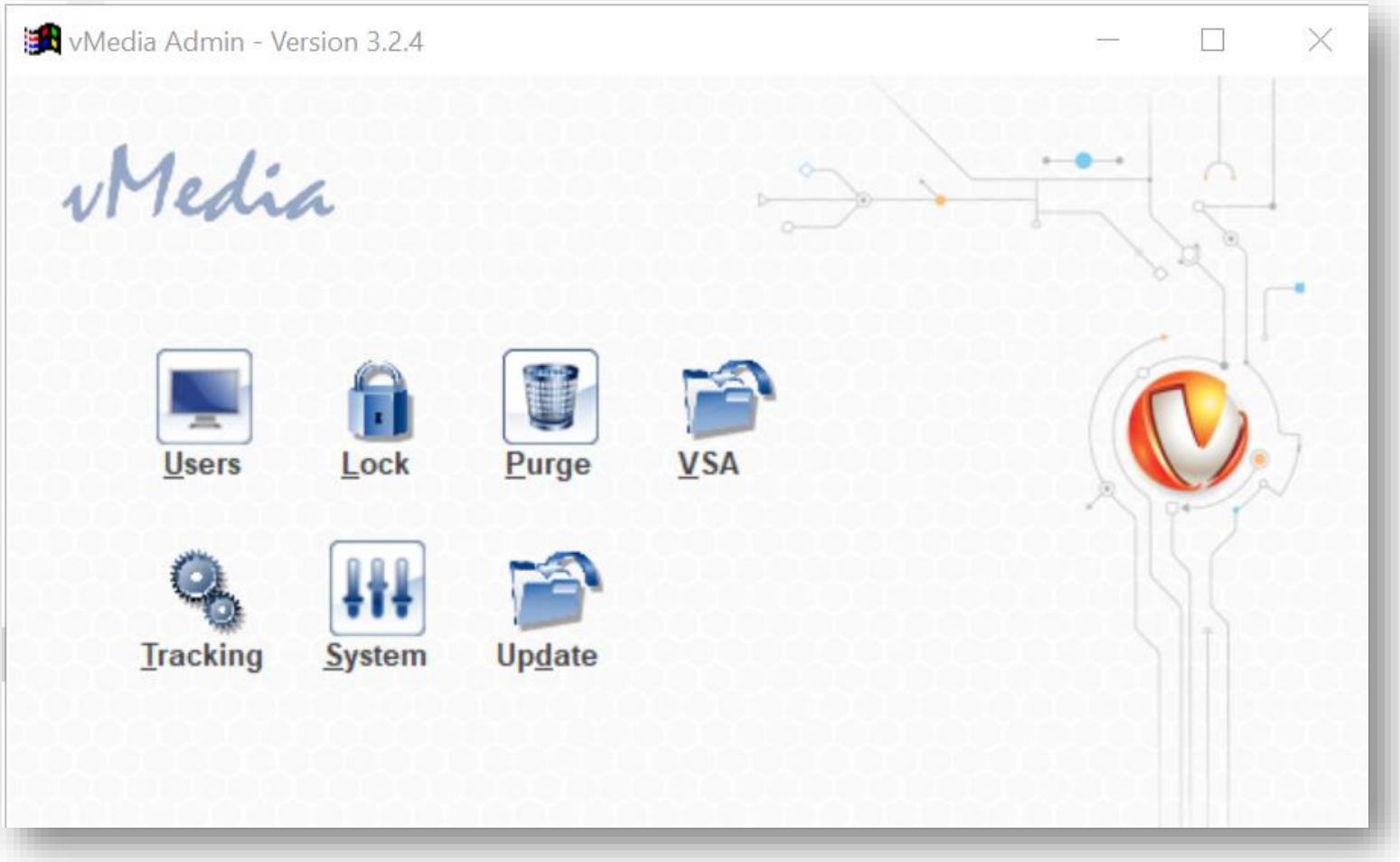
Q-LawE SQL Setup



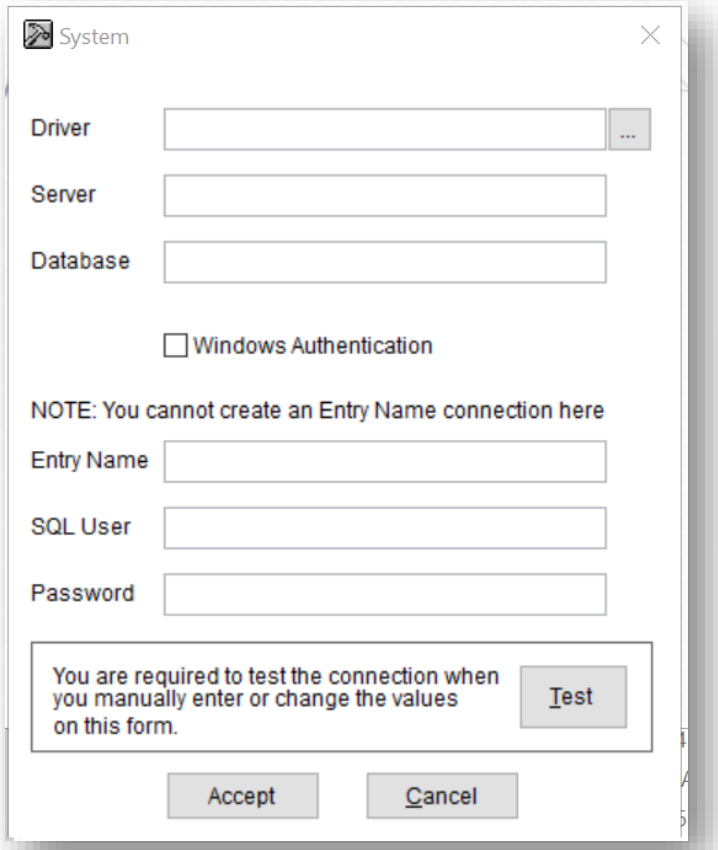
vAdmin.exe

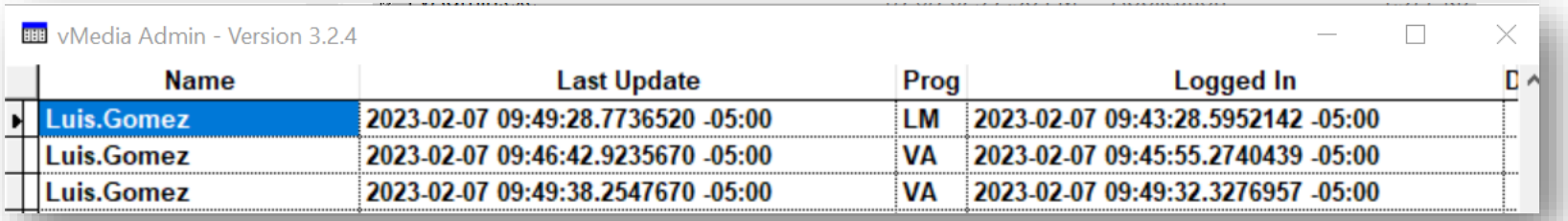
- Users
  - List Active Users in vMedia
- Lock
  - Force users to exit vMedia
    - Schedule in Advance!
- Purge
  - Purge Usage Log File
- VSA
  - Define the location for VSA – point to Collection-Master or Q-LawE
- Tracking / System
  - User Tracking options
- Update
  - When appropriate, update SQL-Server stored procedures
    - Currently Version 1.2.1

vAdmin

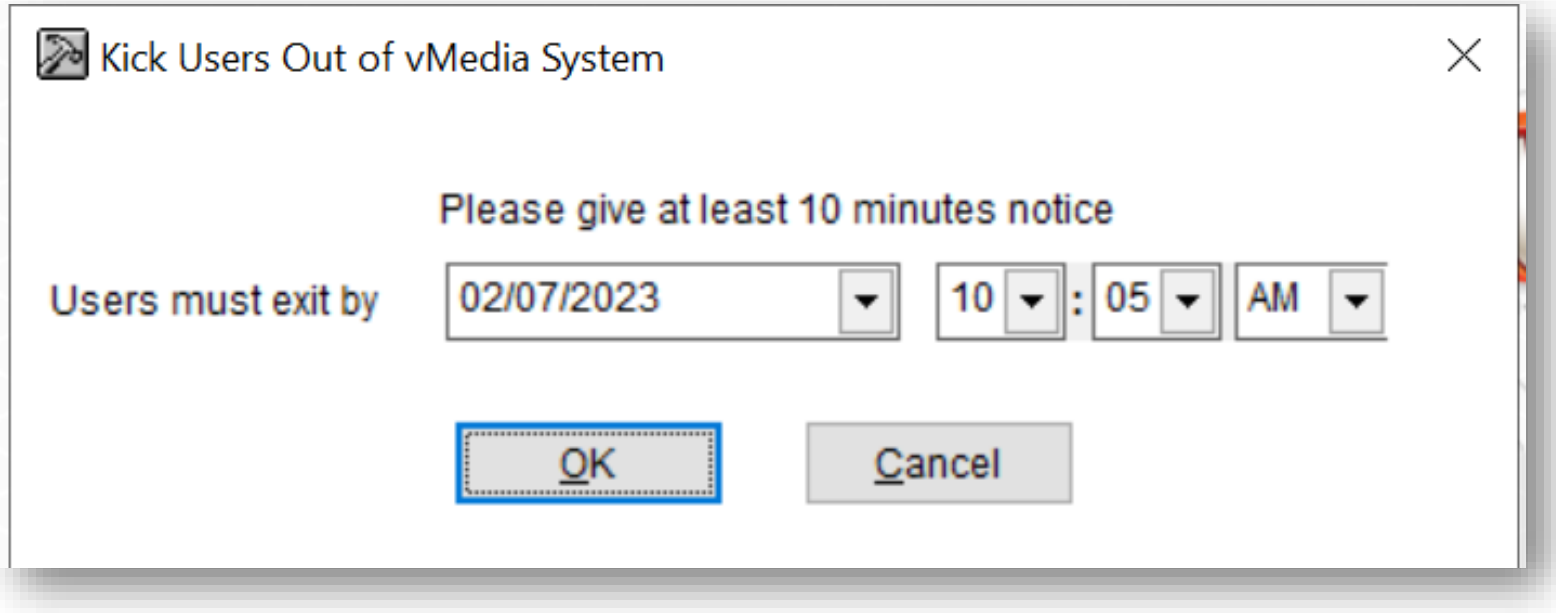

vMedia Admin - Version 3.2.4
vMedia
Users
Lock
Purge
VSA
Tracking
System
Update

UserTrack

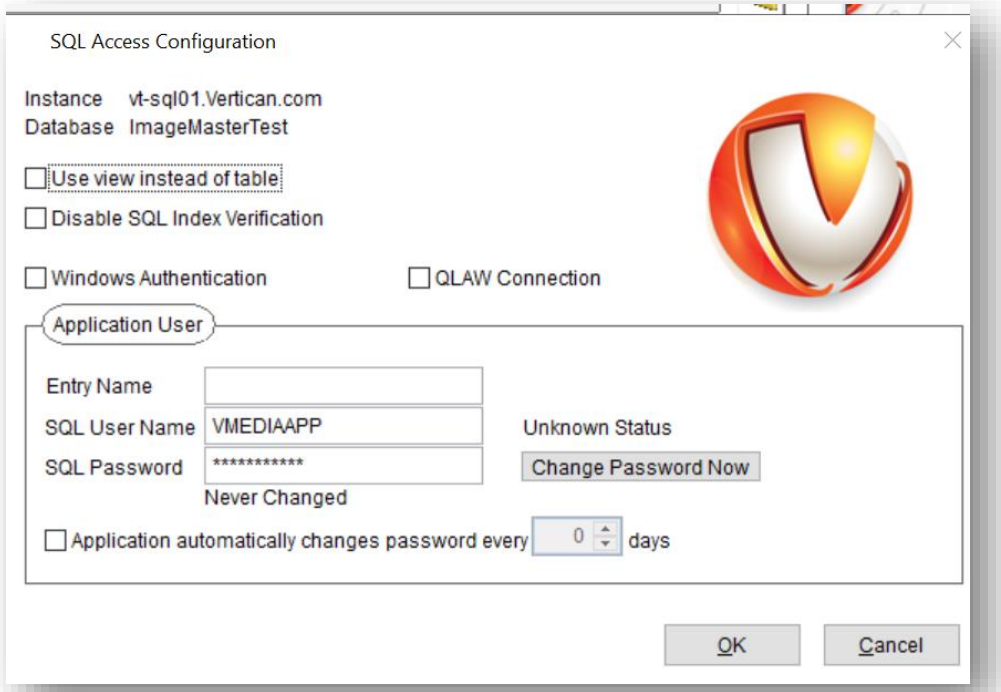

System
Driver
...
Server
Database
Windows Authentication
NOTE: You cannot create an Entry Name connection here
Entry Name
SQL User
Password
You are required to test the connection when you manually enter or change the values on this form.
Test
Accept
Cancel


vMedia Admin - Version 3.2.4
Name
Last Update
Prog
Logged In
Luis.Gomez
2023-02-07 09:49:28.7736520 -05:00
LM
2023-02-07 09:43:28.5952142 -05:00
Luis.Gomez
2023-02-07 09:46:42.9235670 -05:00
VA
2023-02-07 09:45:55.2740439 -05:00
Luis.Gomez
2023-02-07 09:49:38.2547670 -05:00
VA
2023-02-07 09:49:32.3276957 -05:00

Lock


Kick Users Out of vMedia System
Please give at least 10 minutes notice
Users must exit by
02/07/2023
10
:
05
AM
OK
Cancel

SQL-Server Databases



- DB Configuration
  - Global Settings
    - SQL-Server Options
- Disable SQL Index Verification
  - Buyer beware, you own the indexes!
- Windows Authentication
  - New Application User
  - End users no longer need to have their own SQL-Server Rights
  - Automatic password changes (No one, even the admin knows the password!)
    - DSNX – Encrypted DSN Entry!

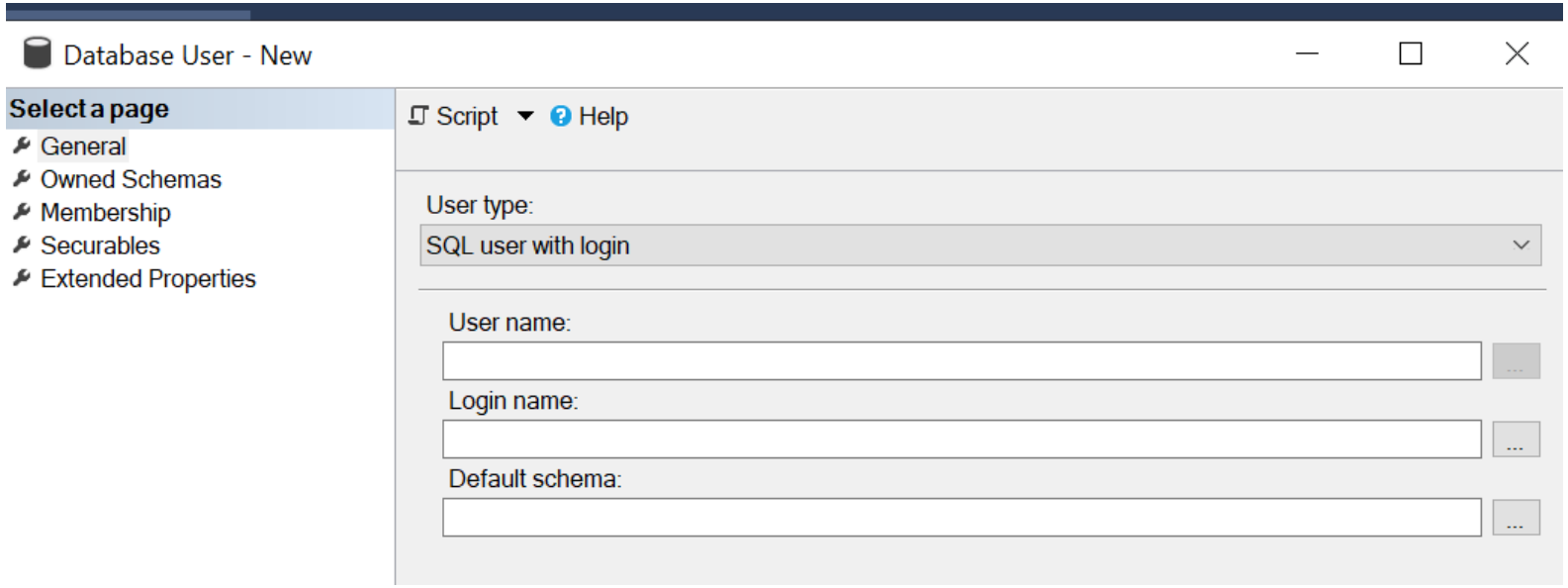
SQL-Server - DBA Role

- SQL-Server Database Administrator (DBA) typically includes a wide range of responsibilities related to the management, maintenance, and optimization of SQL-Server databases. The specific duties may vary depending on the organization and the complexity of the database environment,
  - Very often your system vendor can provide services as a Part Time DBA

Installation & Configuration	Database Security	Database Maintenance
Performance Tuning	Troubleshooting	Capacity Planning
High Availability	Disaster Recovery	Backup

Adding a User to SQL Server

- Security → Users
  - SQL User with Login or Windows User
  - Membership
    - Db_datareader
    - Db_datawriter
    - Db_Owner



DocID

- Q-LawE introduced DocID for filing media
- It’s a code assigned to each document used for automation
- File & Serve, AMR, etc

SQL-Server Tables

- dbo.CLS000SC (or Similar Name)
  - Table that stores the vMedia Metadata
- dbo.UserTrack
  - dbo.UserTrackEvents
  - dbo.UserTrackLogs
  - dbo.UserTrackObjects – Table that stores current activity

SQL-SYNC – dbo.Images

```
SELECT TOP (1000) [FILENO],[DESCRIPTION],[CODE],[TYPE],[VOLUME]
      ,[NPATH],[NFILE],[NFEXT],[DOCID],[LLCODE],[NFULLNAME],[TRANS_DATE],[TRANS_TIME]
      ,[USER_ID],[RECNO]
  FROM [Dev-CM-SQL].[dbo].[IMAGES]
  where DocID<>'' and DESCRIPTION<>''
  order by record_Number desc
```

99 %

Results | Messages

	FILENO	DESCRIPTION	CODE	TYPE	VOLUME	NPATH	NFILE	NFEXT	DOCID	LLCODE	NFULLNAME
1	RTFORD05	Judgment	Scan:8	S		F:\IMASTER\IMAGES\CLS088\202307\PTI\IraselyOquen...	3AUML	TIF	AOD		
2	RTFORD05	Contested Judgment	Scan:5	S		F:\IMASTER\IMAGES\CLS088\202307\PTI\IraselyOquen...	3AUMK	TIF	CJUDE		
3	RTFORD05	Wage Garnishment	Scan:3	S		F:\IMASTER\IMAGES\CLS088\202307\PTI\IraselyOquen...	3AUMJ	TIF	WAGARN		
4	PLXCAP2	Define Judgment	Scan:47	S		F:\IMASTER\IMAGES\CLS088\202307\PTI\IraselyOquen...	3AUMI	TIF	DEFJUDG		
5	PLXCAP4	Wage Garnishment	Scan:47	S		F:\IMASTER\IMAGES\CLS088\202307\PTI\IraselyOquen...	3AUMG	TIF	WAGARN		
6	RTFORD06	Consent Judgment	Scan:22	S		F:\IMASTER\IMAGES\CLS088\202306\PTI\IraselyOquen...	3AUMA	TIF	CJUDE		
7	SMT00045	Suit Filed	Scan:4	S		F:\IMASTER\IMAGES\CLS088\202306\PTI\IraselyOquen...	3AULP	TIF	WAGARN		
8	SMT00045	Wage Garnishment	Scan:1	S		F:\IMASTER\IMAGES\CLS088\202306\PTI\IraselyOquen...	3AULO	TIF	WAGARN		
9	SMT00044	Consent Judg Entered	Scan:10	S		F:\IMASTER\IMAGES\CLS088\202306\PTI\IraselyOquen...	3AULK	TIF	CJUDE		
10	SMT00044	Continuance Agreed	Scan:22	S		F:\IMASTER\IMAGES\CLS088\202306\PTI\IraselyOquen...	3AUKL	TIF	GRCRT		
11	SMT00044	Consent Judgment Entered	Scan:10	S		F:\IMASTER\IMAGES\CLS088\202306\PTI\IraselyOquen...	3AUKK	TIF	CJUDE		
12	JOETEST	Really Big Document	Scan:202	S		F:\IMASTER\IMAGES\CLS088\202306\PTI\Joe\	3AULH	PDF	DEFJUDG		
13	JOETEST	20230531-161000-Successful Service Affidavit-non	Scan:1	S		F:\IMASTER\IMAGES\CLS088\20230531\Joe\16\	6AAGV	PDF	SVCGOOD		
14	JOETEST2	20230531-161000-Stipulations - File Stamped	Scan:1	S		F:\IMASTER\IMAGES\CLS088\20230531\Joe\16\	6AAGU	PDF	STIPFS		
15	JOETEST	20230530-163700-Successful Service Affidavit-non	Scan:	S		C:\FileServe\IMPORT\		PDF	SVCGOOD		JOETEST_SVCGOOD_20230530-163700-Successful Servi..
16	JOETEST2	20230530-163700-Stipulations - File Stamped	Scan:	S		C:\FileServe\IMPORT\		PDF	STIPFS		JOETEST2_STIPFS_20230530-163700-Stipulations - File St.
17	JOETEST	20230530-163700-Successful Service Affidavit-non	Scan:1	S		F:\IMASTER\IMAGES\CLS088\20230530\Joe\16\	6AAHA	TIF	SVCGOOD		
18	JOETEST2	20230530-163700-Stipulations - File Stamped	Scan:1	S		F:\IMASTER\IMAGES\CLS088\20230530\Joe\16\	6AAGZ	TIF	STIPFS		
19	JOETEST	20230530-163700-Successful Service Affidavit-non	Scan:	S		F:\IMASTER\IMAGES\CLS088\20230530\Joe\16\		PDF	SVCGOOD		JOETEST_SVCGOOD_20230530-163700-Successful Servi..
20	JOETEST2	20230530-163700-Stipulations - File Stamped	Scan:	S		F:\IMASTER\IMAGES\CLS088\20230530\Joe\16\		PDF	STIPFS		JOETEST2_STIPFS_20230530-163700-Stipulations - File St.
21	BOB-13	Secure Data 2 Pages	Scan:2	S		F:\IMASTER\IMAGES\CLS088\202305\PTI\Joe\	3AULG	PDF	SUM1		
22	BOBTST37	VTFS for GreenTree Legal	Scan:1	S		F:\IMASTER\IMAGES\CLS088\202305\PTI\Joe\	3AULF	PDF	DEFJUDG		
23	BOBTST37	GetDocID Command Line 5 Pages	Scan:5	S		F:\IMASTER\IMAGES\CLS088\202305\PTI\Joe\	3AULE	PDF	AOD		

SQL-SYNC – dbo.Images

```
SELECT COUNT(*) as Count,[DESCRIPTION] FROM [Dev-CM-SQL].[dbo].[IMAGES]
  where description <>'' and description not in ('Entry1','12345') and description not like '%TEST%'
  Group by Description Order by 1 Desc
```

99 %

Results | Messages

	Count	DESCRIPTION
1	1149	Judgment
2	424	MH/SH Status
3	263	Misc-Add Comment
4	33	C1-Customer Demand Return
5	29	DEMAND LETTER
6	27	Answer- ProSe
7	18	Ltr From Atty
8	17	1st Demand letter
9	16	STEVE
10	11	Debtor you're off the hook!
11	10	A1-acknowledgment of claim
12	10	PLACEMENT DOCS
13	10	2nd letter to debtor
14	9	COURT WEBSITE INFO
15	8	DJames
16	8	Settlement Arrangement
17	8	STATEMENT DATED 1/31...
18	7	Item 1
19	6	Sample #1 IM-980
20	6	Sample #2 IM-980
21	6	STATEMENT DATED 9/28...
22	6	SIF
23	6	GAK
24	4	STATEMENT DATED 12/2...
25	4	STATEMENT DATED 12/3...
26	4	STATEMENT DATED 5/31...
27	4	STATEMENT DATED 1/29...
28	4	STATEMENT DATED 2/27...
29	4	STATEMENT DATED 4/27...

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