

Upgrade Process from Lockview 4 to Lockview 5 Pro

Do not install Lockview5 Pro until instructed to do so below...

- REQUIRED: The Lockview 4 SERVER and Database must be version 4.5 or better
- The folder 'Program Files' is named 'Program Files (x86)' on 64-bit Operating Systems
- You will be asked to copy and run files found in the installation medium folder named 'Upgrade Support'
- Large databases may take several hours to complete the Import.

Use these instructions to upgrade a SERVER-based Lockview system.

Step 1: Prepare

Examine the state of your Lockview 4 database and prepare the db as deemed necessary

- Obtain a status report
 - The Lockview 4 System and Database must be version 4.5 or better, if not you must upgrade to LockView 4.5.2 from http://compixelock.com/downloads_lockview.html#lockview then continue.
 - Within the SQL Server run 'UpgradePreventive.sql' on your current LV4 database, this is located in the install medium folder 'Upgrade Support'. This eliminates duplicates records if they exist.
 - Manually upgrade Lockview SERVER to Lockview 4.6.1u (special version w/ upgrade tools)
 - Copy four files named 'RunAsAdmin_XYZ_LockService.bat' from the install medium's 'Upgrade Support' folder to your 'Program Files (x86)\Lockview4\LockService' folder
 - Stop LockService; one method - 'Run As Admin' this file:
 - 'Program Files (x86)\Lockview4\LockService\RunAsAdmin_Stop_LockService.bat'
 - Copy Files from the install medium's 'UpgradeSupport\LV 4.6.1u' to 'Program Files (x86)\Lockview4', Overwrite files in existing 'Program Files (x86)\Lockview4' folder
 - 'Run As Admin' the file 'RunAsAdmin_Register_DLLs.BAT' (one of your copied files...)
 - Obtain a copy of the Pre-Upgrade Db Status Report
 - Launch Lockview 4
 - Select 'Window' - 'More Windows...'
 - Enter window code 'UpgradeTool' and click 'OK' - The report should display but is also automatically saved to ProgramData\LockView4\Logs\LV4DB_REPORT.txt
- Use the report to guide you; manipulate the system db with Lockview 4 and synchronize Locks as necessary to meet your requirements and prepare your database for import – **Please read Pg. 4 'Discussion of LV4Db Report'** this will help you determine what needs to be fixed before the upgrade and any ramifications which may or may not be acceptable.
 - Suggestions:
 - Delete inactive Locks
 - Ensure each User has Access Rights to at least one Lock (In Sync, w/ checked box)
 - Ensure all Locks are 'In Sync'
 - Empty Recycle Bin
- On the LV4 SERVER: Convert Lockview 4 into a CLIENT
 - 'Run As Admin' the ConvertToClient.reg file (approve changes when asked) – file is located in the UpgradeSupport folder.

Step 2: Upgrade

Import Lockview 4 database data into the new Lockview 5 Pro database

- If installing the LV5 Pro SERVER on a machine different than the one currently running your Lockview 4 SERVER:
 - On the LV4 SERVER: Uninstall the LV4 LockService as follows:
 - 'Run As Admin' the file 'RunAsAdmin_Stop_LockService.bat' from the 'Program Files (x86)\LV4\LockService' folder

- 'Run As Admin' the file 'RunAsAdmin_Uninstall_LockService.bat' from the 'Program Files (x86)\LV4\LockService' folder
- On an MS Sql Server, run the 'LV5_DbCreate_yymmdd.sql' script to create a Lockview 5 Pro Database
- On the LV5 Pro SERVER, use the ODBC Manager to create a DSN reference to your new LV5 Pro DB
 - On a 64-bit OS, you must use the ODBC Manager found here: '\Windows\SysWOW64\odbcad32.exe'
 - Prefix the DSN name with "Lockview5-"
- Ensure Lockview 4 is not running anywhere in the system (on neither a client nor server)
- **Install Lockview 5 Pro SERVER**
 - FYI - This will not uninstall LV4, nor will it bring the new system live without your permission
- Launch the Upgrade Wizard to transfer your LV4 data into the LV5 database
 - NOTE: Import of large system databases may take several hours to complete...
 - Run Import4to5.vbs, located in the 'Program Files (x86)\LockView5\' folder
 - Obtain a software license Sitekey or activate the Trial period
 - Log in to the new LV5 db as 'admin', 'admin'
 - FYI - this action transfers Registry items from LV4 into LV5

The Upgrade Wizard

FYI: The Upgrade Wizard can be closed between steps and will resume where you left off.

- Confirm TARGET database
- Select SOURCE database
- 'Continue'

Once you've decided to proceed- For each section:

- Click - 'Go'
- If successful, next section is enabled- Repeat...
- If not successful:
 - Confirm the rollback as suggested;
 - Locate UpgradeAction.log in ProgData\CompX\LV5 folder; examine for errors which may have obvious solutions
 - If resolved, try 'Go' again
 - If not, contact Support for assistance

'Close' once all sections are completed successfully

Reference Only:

(Leave Blank - Do not change unless Timeout errors are seen in the log file)

Upgrade Wizard Advanced Defaults-

Batch Size – 10,000

Cmd Timeout – 120 Seconds

Step 3: Review the data

- If the import was successful, you are given the opportunity to view the database state before 'Activating'
 - Groups may import with Orange access rights checkmarks (import side-effect)
 - The import does not pass LV4 db inconsistencies along to the LV5 db; the import corrects as it goes and these corrections may result in some differences between the two databases.
- Upload Lockview 5 Pro-compatible Lock FW into system
 - Use More Windows code: FWMGR
 - CompX Firmware - http://compixelock.com/downloads_firmware.html#firmware
- Review process logged in ProgramData\CompX\Lockview5\UpgradeAction.log

Step 4: Activate the Server

- **The SERVER for the TARGET database be 'Activated' after one of the following events:**
 - Your Lockview 5 Pro SERVER is rebooted
 - You launch Lockview 5 Pro and when asked you approve Activation
 - The Windows Service "LockService" is started manually

Discussion of LV4Db Report Data

If an LV4Db_Report.txt document is created and displayed after you choose 'Continue' in the 'Db Selections' section, it means the SOURCE database is in a condition which might result in the TARGET database being left in an unexpected condition. Guided by the report, you may wish to modify the state of your SOURCE database before continuing the Import process. The conditions listed in your report and their ramifications are detailed here.

Unassigned Users

- Unassigned Users do not possess access rights to a lock. Pending rights are not considered access rights.
- Unassigned Users are NOT IMPORTED.
- To remedy: Run Lockview 4 and
 - Assign the User(s) to at least one Lock.
 - Ensure the Lock(s) are brought 'In Sync' afterwards.

Recycle Bin Users

- Recycle Bin Users are not imported to the TARGET db.
- To prevent loss of a Recycle Bin User, run Lockview 4, restore the User and grant the User access rights to at least one Lock which is brought 'In Sync' afterwards.

Locks NOT in Sync

There are two reasons a Lock may be considered 'Not in Sync'; each produces different TARGET outcomes

1. 'Not in Sync' because a Lock has never actually connected to the DB (i.e., it exists only because it was created by the Lock Editor 'Add Lock' button)
 - These locks are not imported
 - To remedy: ensure the Lock connects to the Lockview 4 database
2. 'Not in Sync' because a change has been made to the DB which has not yet been applied to a Lock
 - These Locks are imported but may have unexpected affects on the TARGET db
 - If a Recycle Bin User retains access rights to the Lock, the User is restored out of the Recycle Bin and granted access rights to the Lock
 - All pending changes to the Lock are lost, including incomplete User access rights changes and Lock parameter settings...
 - To remedy: Ensure lock is brought 'In Sync'