IPDIRECTOR PROCEDURE
UPGRADE / DONWNGRADE TO / FROM IPDirector 8.6

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6 GB of RAM is the minimum recommended to run IPDirector 8.6

O.S. – WINDOWS 10

IPDirector 8.x is only compatible Windows 10 (SQL Server 2016 Express).

EVS will not provide any migration procedure from SQL Server 2008 R2 Express to Microsoft SQL Server 2016 Express.

Windows 7 is working with SQL Express 2008 and Windows 10 with SQL Express 2016 (it's a Microsoft compatibility constraint).

On Windows 10 we do not need to Install .NET Framework 4.7.2 nor SHA 256. Windows 10 machines are already delivered with the right framework.

HOW TO UPGRADE IPDIRECTOR 8.5 TO 8.6

Before upgrading to 8.6 it is **important to read the Release Note**.

Several checks/actions must be taken before upgrading to IPDirector 8.6.

Please contact your EVS Account manager to discuss the steps required as part of the upgrade.

- Mandatory BEFORE INSTALL / UPGRADE:

  - **From version 8.0** of IPDirector new license codes have to be used :
    - o Live PAM Engine (IPDIR-LPE-GO / FLEX) is replaced by Live PAM Engine 8 (IPDIR8-LPE-GO / FLEX)
    - o IPDirector Access (IPDIR-IPDIR-GO / FLEX) is replaced by IPDirector Access 8 (IPDIR8-IPDIR-GO / FLEX)
  - Microsoft legal obligations to be met for system running SQL Server 2016 / 2019 Standard ("Windows Server CAL Device 2016 / 2019" required)

  - Framework and Certificate validation (via specific installer)

    - o .NET Framework 4.7.2 required (.NET 4.5 not supported)

    - o SHA256 (certificate validation) required (application signed)

- From version 7.20 the Nearlines, IPDrives and Thumbnails must be re-configured after the upgrade.

Supported OS are:

- Windows 7 64 bits (OS 32 bits not supported)

- Windows 10 64 bits

Note, ATS (Archive Transfer Service) and Indexing Service needs a 64 Bits OS.

Indexing Service: Workstation (standalone) where Indexing Service is running need at least 16GB to work.

BEPlay: BEPlay must be upgraded to 1.4.1 to be used with IPDirector 7.20 and more recent See upgrade procedure on: "*Application_Note_BEPlay_Firmware.pdf*"

The upgrade should not be started if the DB Server and Station OS are not compatible.

ABOUT SQL 2016 (SERVER AND EXPRESS)

IPDirector needs Microsoft SQL Server 2016 (or SQL Express 2016 for StandAlone setups) when Windows 10 is the Operating System.
EVS provides a bundle with an SQL Installer (Light, Server, and Express versions) which makes Install Procedure easy and intuitive.

UPDATE THE IPDIRECTOR

- Delete the files in "C:\EVSLog\IP-Director\" on each IPDirector stations.
- If a previously version has been installed on this station before, it is highly recommended to delete the file "C:\Windows\<System32/SysWOW64>\IPDSetupInstalled.txt" which contains information about installed software   versions.
Doing that, we will be sure that the last version of each needed software will be installed. Attention: All the needed software will be installed again. This is a recommendation.
- Launch Remote Installer's "Setup.exe"
- Once installation is completed, the machine **should** be restarted (orange status) before send IPD package.
- Deploy the package (Tip: You can send the Package to all the machines in the workgroup with the option "Install version" from the "Remote Installer"). This operation may take a while.

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- Choose "Upgrade database" in the database configuration menu or Restore a clean Database.
- Check the database configuration with the "IPDirector_Check_DB plugin " in the Remote Installer plugins.
- Check the "Verify IPD Live PAM Core" with the "IPDirector_Check_DB plugin" in the Remote Installer plugins.
- If the Database instance is mirrored on a DB Server couple, these two steps should be executed on both members of the redundant Databases (a failover is thus requested).

> **A detailed upgrade procedure is also available in the IPDirector Tech Ref Remote Installer**

WITH THE REMOTE INSTALLER'S TOOL

- Open "EVS-DB-Tool" in the Remote Installer plugins on the Database station
- Select "Create Maintenance Jobs", choose your database and create the jobs
- *If you have a big database, we recommend you install "Create Maintenance Jobs for Big Databases"*
- Check on the Database if you have the 4 maintenances jobs installed (5 for "Big Database")
    - Backup log
    - Full Backup
    - FT Catalogue Reorganize
    - Indexes Rebuild
    - *FT Unlock indexing Queues (For "Big Database")*

WITH THE SQL TOOLKIT'S TOOL

- Select "Maintenance tool" in the Server start up Toolbar on the Database station
- Select "Create Maintenance Jobs", choose your database and create the jobs
- *If you have a big database, we recommend you install "Create Maintenance Jobs for Big Databases"*
- Check on the Database if you have the 4 maintenances jobs installed (5 for "Big Database")
    - Backup log
    - Full Backup
    - FT Catalogue Reorganize
    - Indexes Rebuild
    - *FT Unlock indexing Queues (For "Big Database")*

HOW TO CONFIGURE INDEXING SERVICE VERSION

1 dedicated "PMA 6S","IPDirector 1U 5S" or "IPDirector 2U" is recommended to run Indexing Service (2 machines required for redundancy)

Indexing Service and its dependencies <u>can't be</u> started on a 32 Bits system (64 Bits needed).

Archive Transfer Service (ATS) can't be started on 32 Bits system (64 Bits needed).

Indexing Service needs at least 16GB to start.

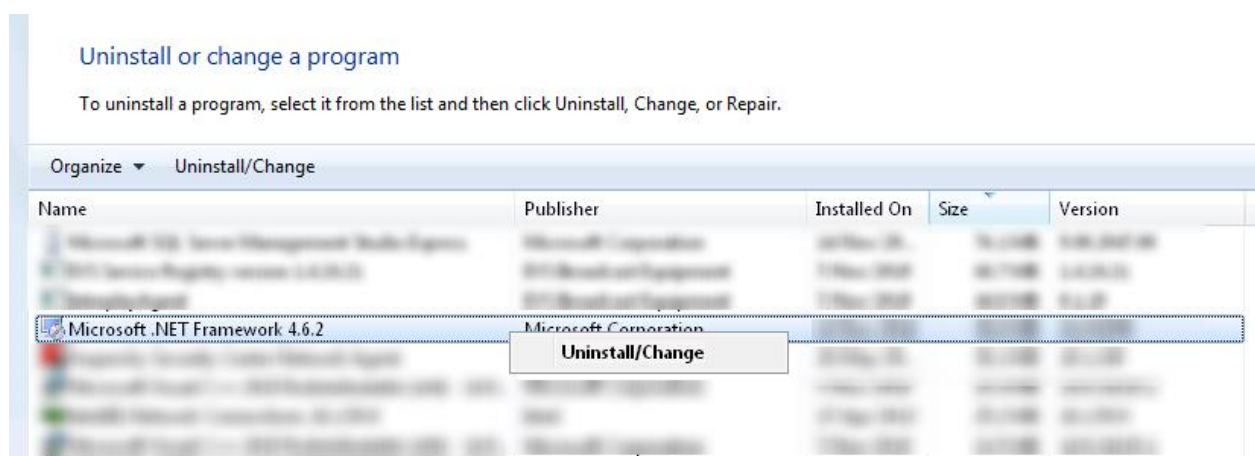For good performance, some exceptions in your anti-virus must be added (see below).

HOW TO DOWNGRADE FROM IPDIRECTOR 8.6

CLEANING AN IPDIRECTOR STATION

- Cleaning the station from IPDirector references can be done by using IPDirector Station Cleaner related to the version you want to downgrade from. This cleaner can be found on the EVS Download Center or is available on the workstation itself. Copy the content of the ZIP file on the IPDirector station and run the IPDirectorStationCleaner.exe. Click "Proceed" to run. Check Warning and Failed to ensure cleaning is correct.

- If some services cannot be stopped (e.g. Autocomplete Service) you may need to reboot your machine and relaunch IPDirector Station Cleaner. More info here.

For more information on downgrade procedure, please contact the support team.

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RE-INSTALL THE IPDIRECTOR

- Launch Remote Installer's "setup.exe"
- Once installation is completed, machine **should** be restarted before to send the package IPD.
- Deploy the required IPDirector package (Tip: You can send the Package to all the machines in the workgroup with the option "Install version" from the "Remote Installer"). This operation may take a while.
- Point your workgroup to the right Database
- Restore you backed up database or deploy a clean Database