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## How to start NVR Enterprise (x64) trial?

As explained [here](#h.z952j8csqo74), NVR Enterprise Edition requires a new license type, in addition to existing Commercial license (Professional/Intelligent/Panoramic).

To start Enterprise trial, you will use the following trial code upon software installation:

|  |
| --- |
| **Enterprise Edition trial key: DVL9Q-QGFCG-AW51T** |

Upon installation, you will be prompted for such code, illustrated by the following screenshot:



In the future, if you need to upgrade trial to formal installation, simply reinstall the software and re-enter the formal code again.

## What are the differences between 32-bit editions and 64-bit editions

### Memory limit

Due to the OS nature, 32-bit application are limited to 4GB memory, while 64-bit applications does not have such limit.

### 64-bit system limit extension

Due to the fact that x64-based system comes with more available system resource (if configured properly), x64 build of NVR software has extended several system limits and/or default values, as illustrated below:

|  |  |  |
| --- | --- | --- |
|  | **32 bit** | **64 bit** |
| **Maximum allowed TCPConnections (Image 1)** | 1,000 | 2,000 |
| **Default TCPConnections** | 150 | 1,000 |
| **Storage MaxSize\_GB per directory (Image 2)** | 20,000 | 80,000 |
| **Default MaxSize\_GB per directory** | 1,000 | 1,000 |
| **Maximum number of monitors supported (Image 3)** | 6 | 8 |
| **Maximum number of matrix view** | 256 (16x16) | 400 (20x20) |

### 64-bit removed legacy camera drivers

64-bit drivers needs 64-bit camera SDK/drivers to work. Some vendors do not provide 64-bit SDK/driver therefore aren't supported in 64-bit editions. They are:

* ACTi
* ArecontVision
* EtroVision
* VIVOTEK

### 64-bit removed features

Some features require components that does not have 64-bit counterpart, therefore is removed from 64-bit editions. They are:

* 3GStreaming (You should use the newly developed [Mobile APP](https://docs.google.com/document/d/1IPSVsW0BPkhClya9QGywWx_iUUuDhljYhlqH9oba3V0/pub) instead)

## Does the Enterprise Edition share the same feature as Commercial Edition?

Except for the [known difference](#h.s1kki3lmsokb), Enterprise Edition shares almost all features with Commercial Edition.

However, as the [64-bit Introduction](https://docs.google.com/presentation/d/1zk_piO4UNSQO-3W9zk1hP4fjQeMt2qi4CHjyANLw3SU/pub?start=false&loop=false&delayms=3000) suggested, 64-bit applications are ported from 32-bit and they are of entirely different application. They might be minor behavior differences that are yet to be tested & verified.

## Does the Enterprise Edition require a different kind of license?

Enterprise Edition are compatible with Commercial Edition license (Professional/Intelligent/Panoramic), but it requires an additional per-server license, called Enterprise License (codenamed **copye**).

### New License Type Explained

* **New license type: copye** is a new license type that will be available for purchase. License fee will be defined somewhere else.
* **License applicability & installation:** For Enterprise Edition, one server (PC) requires exactly one unit of **copye** to function correctly, otherwise "Protection lock error" will be encountered and the software won't start. This special license code will be asked at installation time (see **Image 4**).
* **Trial & production mode**: In demo mode, **copye** comes with 8-channel of trial license with IVS and panorama features enabled to facilitate trial purpose. In product mode (non-trial), **copye** does not bring additional per-camera license. Therefore additional per camera license (such as **pro, ipr, pano**) must be purchased and installed separately.

## Does Enterprise Edition runs on 32-bit Windows?

No.

You need a 64-bit Windows operating system in order to run Enterprise Edition.

## Can I upgrade a 32-bit NVR server to Enterprise Edition?

Yes.

You can do so just by installing 64-bit Enterprise over an existing 32-bit NVR server (and of course you need a 64-bit Windows operating system).

All configuration will be kept, but you'll need an additional **copye** license, as stated [here](#h.z952j8csqo74).

## Can I downgrade an Enterprise Edition server to 32-bit Commercial Edition NVR?

Yes.

You can do so just by installing 32-bit NVR over an existing 64-bit Enterprise NVR server.

All configuration will be kept.