Application Note #15A

«Licenses configuration scenario»

The application-note purpose is to illustrate the multiple Licenses configuration scenarios of Vision4D and their features.

Application Note Flowchart

#1 - Local installation on a stand alone workstation.

#2 - Network license on a license server.

#3 - Network (Floating license) installation on a stand alone workstation.

#4 - Server installation using virtualization (Single VM).

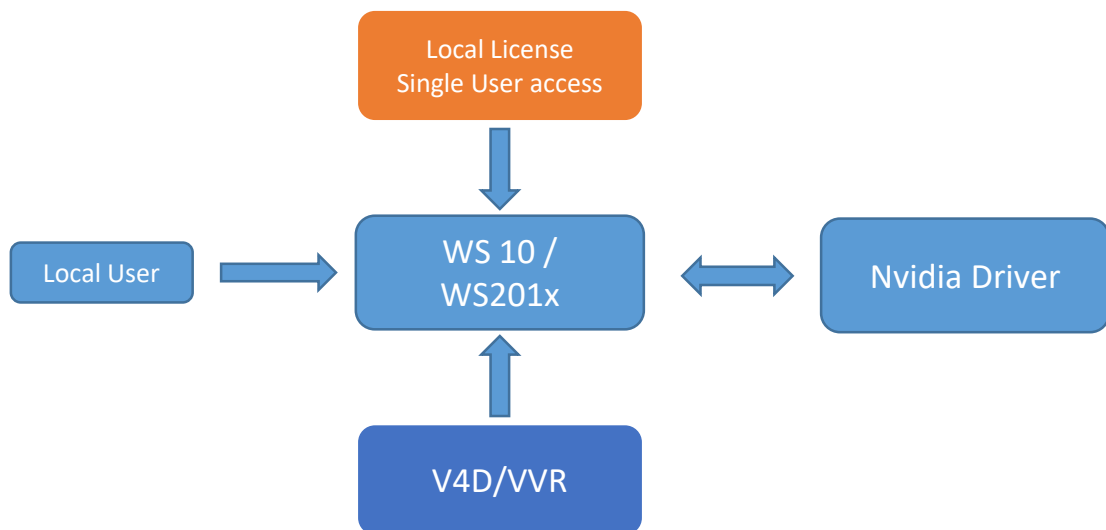#5 -Server installation using virtualization (Single VM).

Index

Case #1 - Local installation on a stand alone workstation.

Vision 4D is installed on a stand alone workstation equipped with Windows 10 OS (Windows Server 201x can also be used).
The local license, single user access, is installed.

```
                    ┌─────────────────────┐
                    │   Local License     │
                    │  Single User access │
                    └─────────────────────┘
                               │
                               ▼
┌──────────────┐      ┌─────────────────┐      ┌──────────────────┐
│  Local User  │ ───▶ │     WS 10 /     │ ◀──▶ │   Nvidia Driver  │
└──────────────┘      │     WS201x      │      └──────────────────┘
                      └─────────────────┘
                               ▲
                               │
                      ┌─────────────────┐
                      │     V4D/VVR     │
                      └─────────────────┘
```

Remote access (RDP) is available as option.

Only a single user can access Vision 4D at time.

Vision VR can also be installed and accessed by the user.

The standard Nvidia driver (latest release) is required.

Recomended hardware:
Windows 10
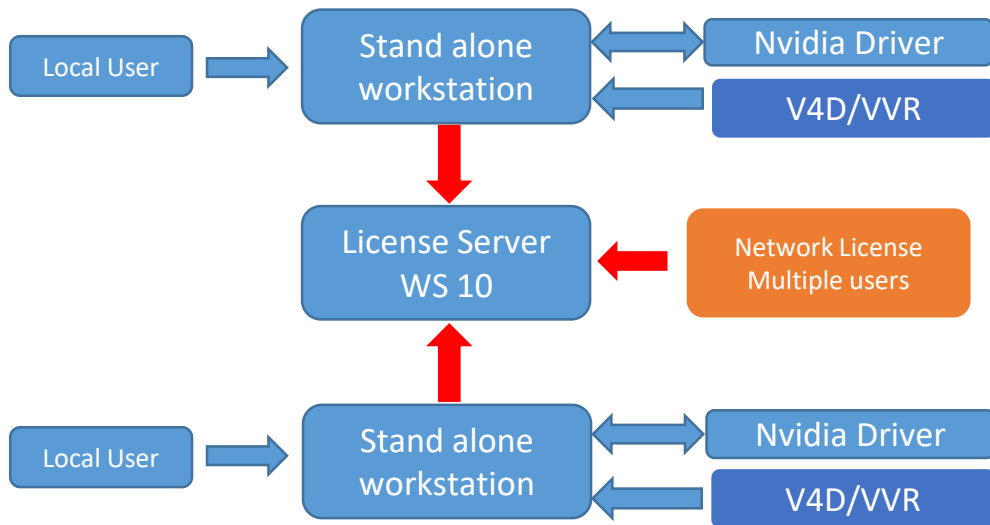*Single or double multicores CPU (e.g. Intel Xeon or AMD Raizen)*
64/128 GB of Ram
512 GB SSD m.2 primary hard disk
1TB/2TB SSD m.2 scratch hard disk
GPU Nvidia RXT 2080Ti

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Case #2 - Network license on a license server.

Vision 4D is installed on a stand alone workstation equipped with Windows 10 OS. The network license is installed on a license server. The license Server can also run an instance of V4D.

Remote access (RDP) is NOT available.

Only a single user can access Vision 4D at time on the stand alone workstation.

Vision VR can also be installed and accessed by the user.

The standard Nvidia driver (latest release) is required.

Recomended hardware:
Windows 10
Single or double multicores CPU (e.g. Intel Xeon or AMD Raizen)
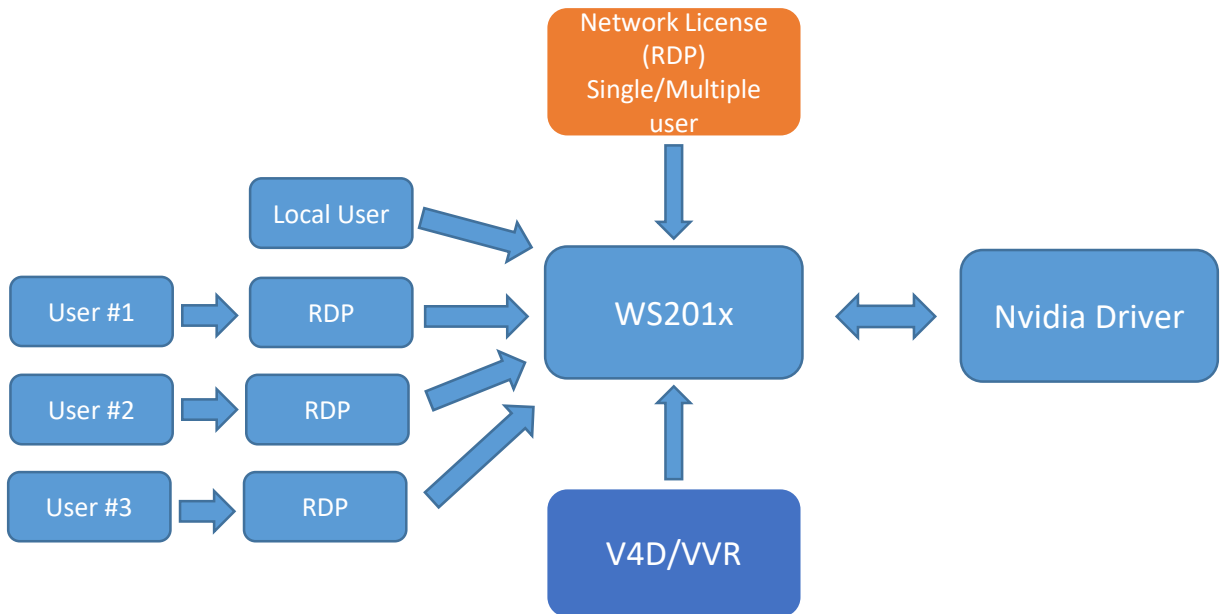*64/128 GB of Ram*
512 GB SSD m.2 primary hard disk
1TB/2TB SSD m.2 scratch hard disk
GPU Nvidia RXT 2080Ti

Case #3 - Network installation on a stand alone workstation (Floating license).

Vision 4D is installed on a stand alone workstation equipped with Windows 10 OS or Windows Server 201x.
The network license, multiple cuncurrent users access, is used.

Multi users remote access (RDP).

Multi users local access.

Cucurrent users floating license. The max number of expected users can access Vision 4D at time.

The standard Nvidia driver (latest release) is required.

Vision VR can be access from local users only.

Recomended hardware:
Windows 10
Single or double multicores CPU (e.g. Intel Xeon or AMD Raizen)
64/128 GB of Ram
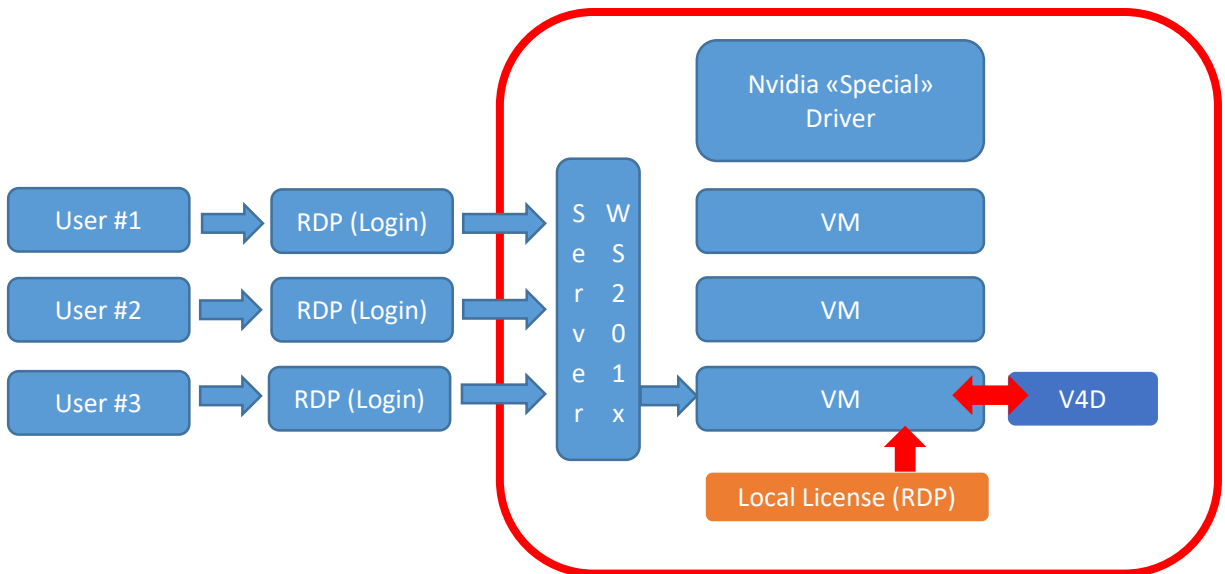*512 GB SSD m.2 primary hard disk*
1TB/2TB SSD m.2 scratch hard disk
GPU Nvidia RXT 2080Ti

Case #4 – Server installation using virtualization (Single VM).

Vision 4D is installed on a sinlge VM.
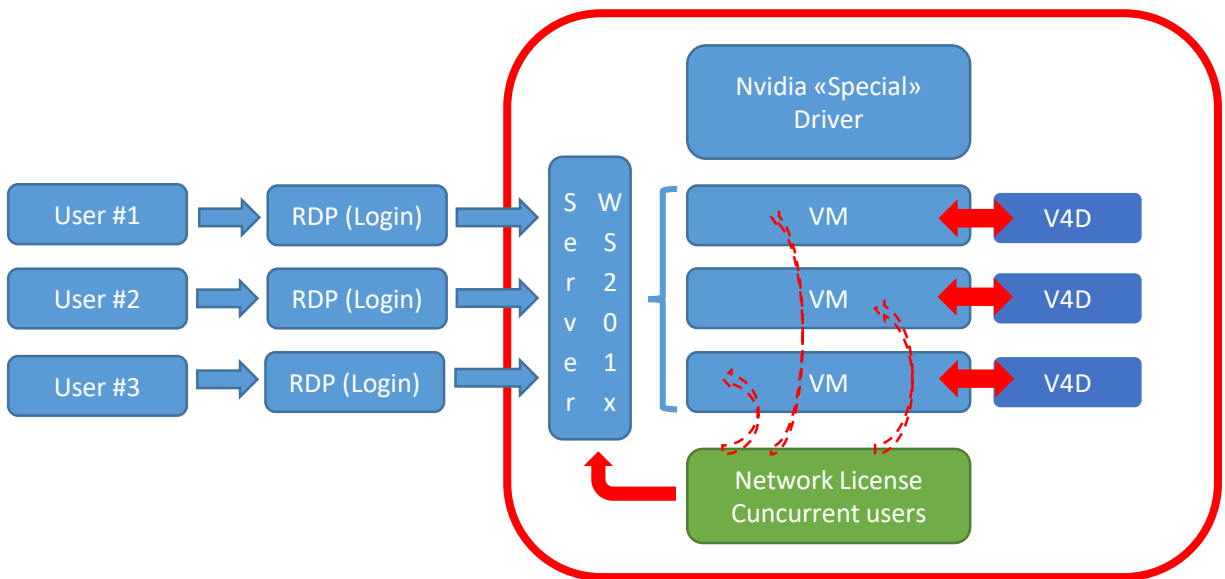The Local license (RDP) is used.

Multi users remote access (RDP with login). The users can only use V4D if logged to the VM on which the application is installed.
Local (RDP) license must be also present in the same VM.

The «special» Nvidia driver is required (it has a cost).

Customer IT department must be involved in the V4D installation and setup.

Case #5 – Server installation using virtualization (VM).

Vision 4D is installed on all the VMs.
The network license, multiple cuncurrent users access, is used.

Multi users remote access (RDP with login). The users can use V4D if logged to the VM on which the application is installed.
Local/network license can be installed on any VM or directly on the Server. The license location must be visible from all the V4D application

Cucurrent users floating license. The max number of expected users can access Vision 4D at time on all the VM.

The «special» Nvidia driver is required (it has a cost).

Customer IT department must be involved in the V4D installation and setup.

Contact the arivis application support to receive additional technical details about the topic described in the application note.

"The quantitative analysis of the images represents the art of transforming a visual sensation into its schematic and discrete form allowing its univocal description, classification and mathematical and logical interpretation of its spatial and temporal components"

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