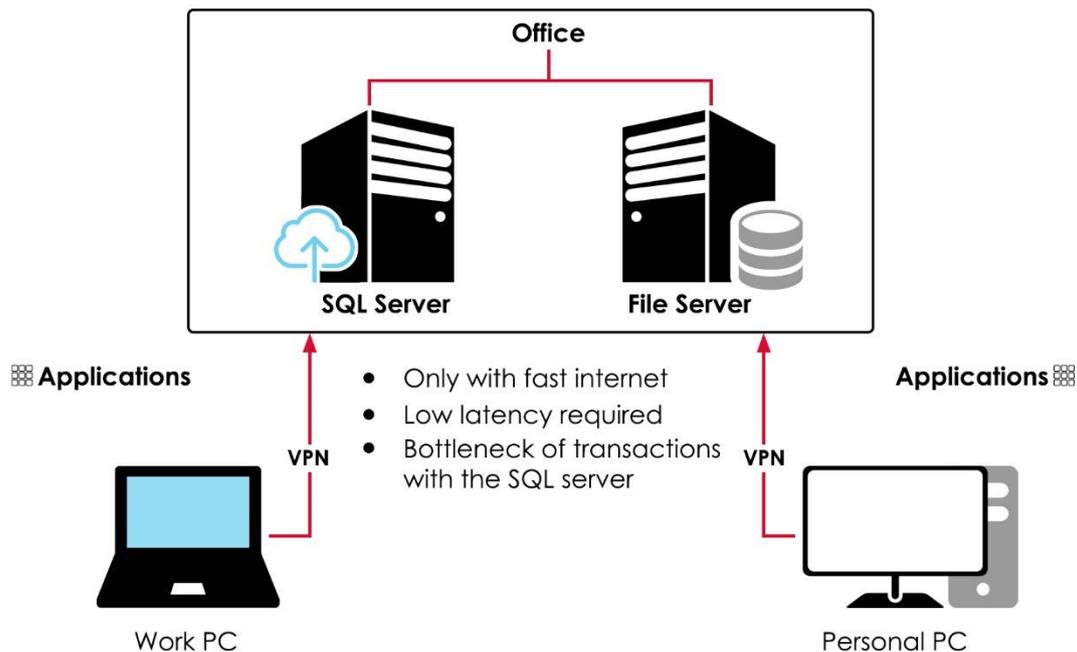


Remote working options

1. Personal/Work PC and VPN – working home office with Personal/Work PC and VPN connection to the company office



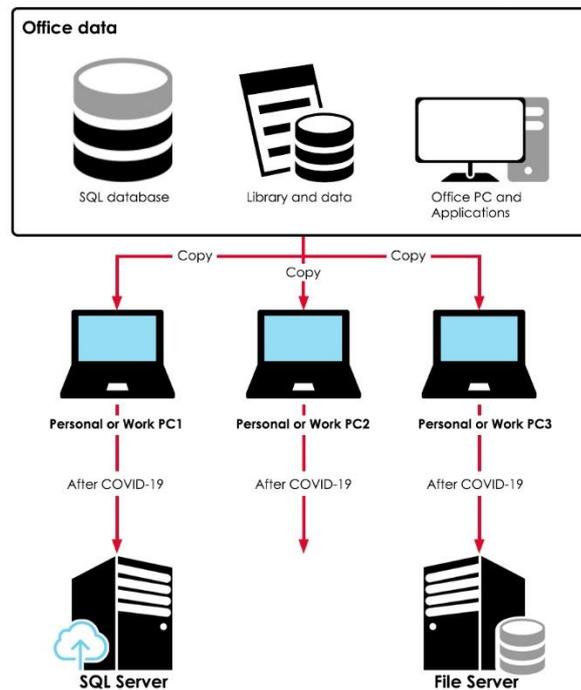
Benefits:

- No need for a separate system or software.
- Use of the existing infrastructure.

Disadvantages:

- In order to work normally it's **mandatory** to have fast, reliable internet with low **latency**.
- No data security or **virus** protection when the connection is through a personal device. The file server or any workstation in the network are susceptible to attacks.
- The applications are installed and run on the personal or work PC. This necessitates powerful **hardware** in order to run them.
- Working with Personal PC is giving the opportunity to share/copy Company Data which is against the NDA and GDPR laws.
- With multiple users working simultaneously, the SQL server has to execute too many queries which creates **bottlenecks** and **lag**, which is affecting a lot on the efficiency.

2. Copy imos SQL and File data to personal/work PC for working home office



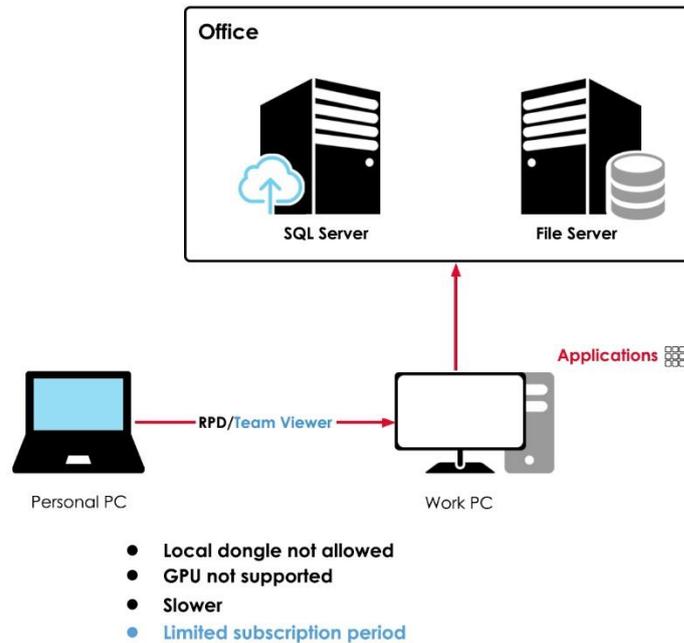
Benefits:

- Not internet dependent.

Disadvantages:

- The data is distributed outside of the organization with **no control** over it, which is against the NDA and GDPR laws.
- The applications are installed and run on the personal or work PC. This necessitates powerful **hardware** in order to run them.
- Separate **licenses** are required for each workstation, because the server licenses are no longer available.
- **Hard** or impossible to combine the data -SQL and File data after independent working from home office

3. Personal PC and RDP/TeamViewer – connection via RDP/TeamViewer from Personal PC to Work PC located in Company Office



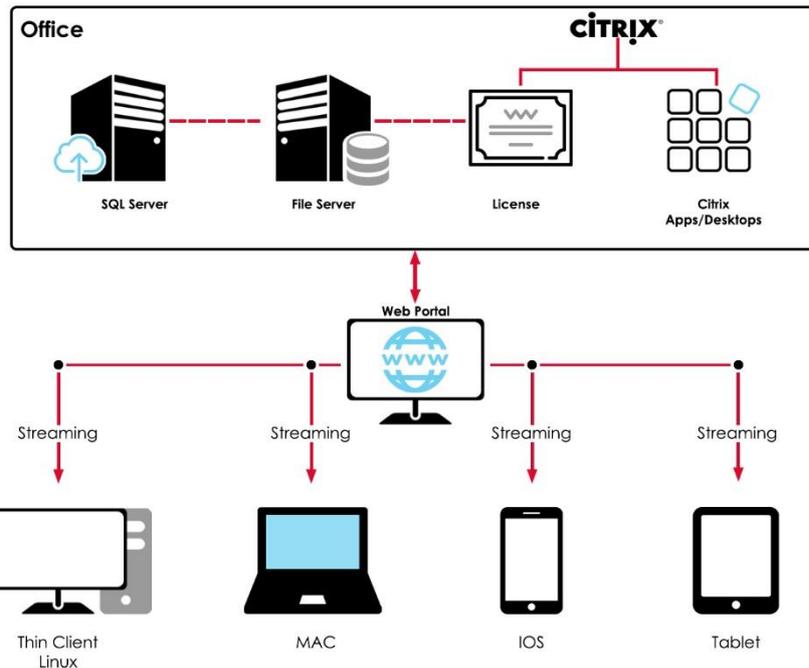
Benefits:

- Use of an existing solution if the company **already** has TeamViewer licenses.

Disadvantages:

- **Slow** and **unresponsive**, especially in CAD environment.
- Local **dongles** are not allowed on **RDP**.
- Possibility to export **sensitive data** outside of the organization which is against the NDA and GDPR laws.
- **GPU** not supported(**on RDP**) which makes CAD drawing, 3D visualization, 3D previews unusable.
- TeamViewer licenses are **expensive** and min. 1 year which makes the solution **hard to scale-up**.
- Required home office workstation to be able to connect Work PC via RDP or TeamViewer.

4. Citrix environment – working home office via Work/Personal PC using Citrix

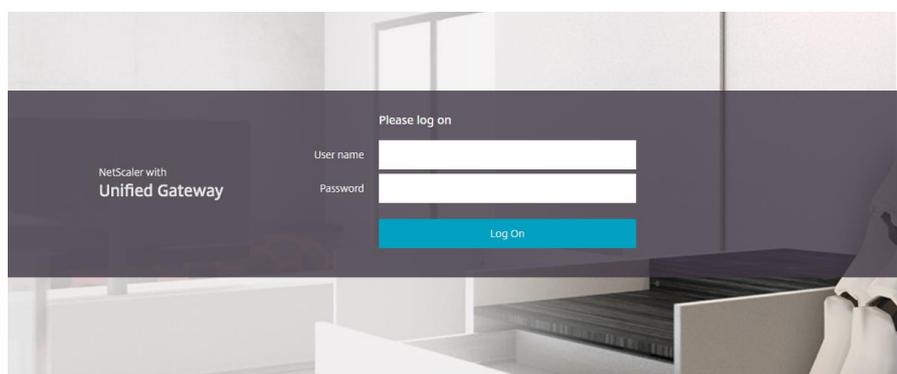


imos Service works with **Citrix** virtualization for the client’s database development and maintenance. (**Streaming** not RDP)

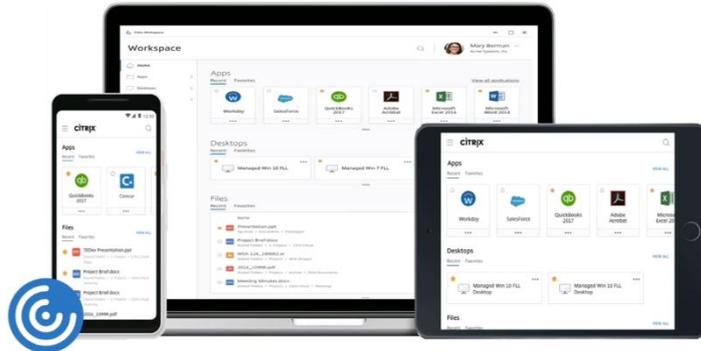
4.1 Why Citrix?

- Very small bandwidth, minimal internet requirements.
- No need of powerful hardware, since it’s working on most of the devices like Thin Clients/Linux/Tablet/Mobile phones and etc.
- Automatic GPU selection and load balancing.
- Every user can have different GPU profile – 1GB up to 32 GB of GPU memory.
- 2 x 4K resolution screens supported.
- Virtual Apps make RAM memory basically unlimited.
- All Virtual Desktops and Applications use the same infrastructure and Microsoft Server and SQL licenses.
- Easy to use online portal.

<https://citrix.imos-service.com>



- Compatible with portable devices
(Connect your iPhone or iPad with HDMI cable adapter to a TV or Monitor and use the full power of CAD CAM).



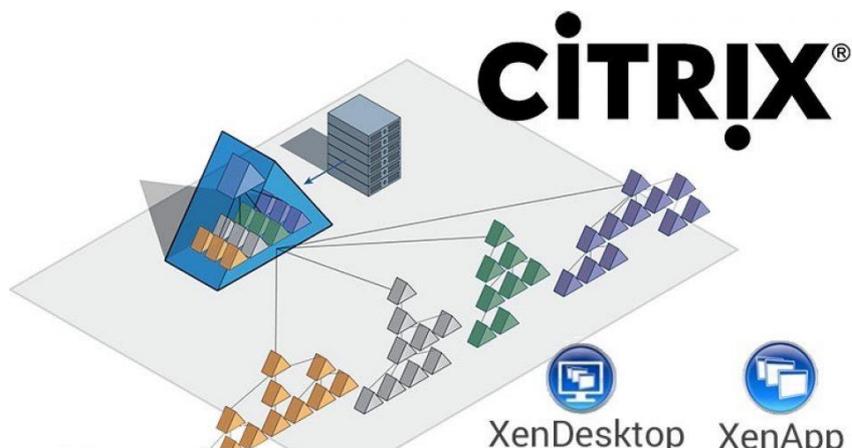
- Every user has his own Patch version of the software

4.2 Additional benefits

Using the **Citrix** technology gives the following additional benefits:

- Users cannot take any data from Citrix, which secures company data on **GDPR** and **NDA**.
- We have a High Availability cluster which prevents any data loss.
- The Database logging model is set to full and we can go backwards in time, restoring any faulty changes.
- Our teams and the customers work together in the same environment simultaneously.
- We can guarantee best security over the data, encryption and extra protection.
- The workflow is very fast, and the system speed is also optimal, guaranteeing us the best development speed.
- We have a lot of internal procedures automating the data generation and structuring.
- We have internal database completion and quality check reports.

The only thing needed to start CAD is a web browser and user login, provided by imos Service.



4.3 imos Service cloud

- Hardware

- HA Failover cluster of servers
- 2048+ GB of RAM memory
- 64+ GB of server GPUs
- 100+ TB of RAID 10 server grade SSD drives
- 500+ TB of RAID 5 server grade SAS backup drives
- 2 x 10 Gbit Upload/Download Internet connections
- Non-stop electricity supported by high class UPS systems and extra power generators
- System software
 - Windows Server Datacenter 2016, 2019
 - SQL Server Enterprise 2014, 2016, 2019
 - Citrix NetScaler – online portal and load balancing
- Automation
 - Fully automated High Availability File and SQL cluster
 - Full Backup plans every day
 - Extensive transaction logs – data checkpoints possible

ERP and FTP file transfer connectors – *scheduled for implementation*

