

Using V-Ray, Phoenix FD & Pdplayer Licenses Remotely

March 2020

OPTION 1: CONNECTING EMPLOYEES TO THE COMPANY NETWORK REMOTELY USING A VPN:

Usually, **larger organizations** have one or more license server computers and all V-Ray, Phoenix FD or PDPlayer users obtain licenses from them. The address of the license server is defined in the V-Ray, Phoenix FD or PDPlayer settings on each computer, as described **here**. When initiated, the software connects to the license server computer via the preset IP address or hostname to obtain a license.

When an employee needs to access resources from a remote location, such as working from home, a **Virtual Private Network (VPN)** can be used for a secure connection to the company network via the internet. This ensures internal sites, servers, addresses, shared files, and other company resources are accessible.

VPNs are a standard way for remote work and should be set up by the company's IT department, along with instructions for the employees on how to use the VPN client. **For users to be able to obtain a V-Ray, Phoenix FD or PDPlayer license while working remotely, the VPN connection should allow access to the Chaos license server IP address or hostname.**

Users can check if they have access by opening the license server's status page while working remotely. To do this, they can open an internet browser and type the IP address or hostname of the machine where the license server is running, followed by port number 30304. For example: http://IP_ADDRESS:30304/, where IP_ADDRESS should be substituted with the actual IP address or hostname of the license server. If the connection is successful the users will see **the license server's interface page**.

When a VPN connection is used from a remote location, users can employ the same license settings as if they are working from the office.

OPTION 2: INSTALLING A "CHAOS LICENSE SERVER" SOFTWARE LOCALLY ON EACH COMPUTER WITH V-RAY, PHOENIX FD OR PDPLAYER

Chaos Online licensing system allows users to obtain licenses over the internet. The user must install **"Chaos license server"** software locally on their computer and **sign in with the account** the license/s are associated with. Once signed in, users can obtain a license over the internet, **even if they are not connected to the company's network.**

USING V-RAY, PHOENIX FD & PDPLAYER LICENSES REMOTELY

When a local license server installation is used, users must add the **localhost address** (the default address of the computer's network interface) in the V-Ray, Phoenix FD or PDPlayer license settings as if they are working from the office. The default IP address is always "127.0.0.1".

The screenshot shows a dialog box titled "Chaos Group license server information". It is divided into four main sections:

- Primary license server:** License server: 127.0.0.1, Connection port: 30304
- Alternate license server 1:** License server: (empty), Connection port: 30304
- Online authorization settings:** User name: (empty), Password: (empty)
- Alternate license server 2:** License server: (empty), Connection port: 30304

At the bottom of the dialog are "OK" and "Cancel" buttons.

1. If the IT department does not want to share the credentials associated with V-Ray, Phoenix FD or PDPlayer licenses a member of the department can activate the license servers on the users' personal machines. Once activated by logging in with the correct credentials, the employees can use the licenses without having to do anything else.
2. Automating the license server installation and activation and changing license settings.
The installation and activation of the license server, as well as changing license settings, can be achieved via command-line, enabling IT departments to automate changes. This is particularly useful when creating mass deployments or changes for multiple users.
 - Examples of licensing [setups are available here](#).
 - Command-line installation of the license server is explained in [the following document](#).
 - Command-line interface for managing the license server software
 - All command-line options for the license server are available via the [license server controller](#).
 - Activating the license server.
 - Logging in with the username/email and password associated with the purchased licenses enables the server to provide licenses over the internet. This can be done via command-line in two ways:

vrctl online login <username or email> <password> - the username and password are entered directly in plain text

vrctl online login --credentials /path/to/credentials.json - uses credentials stored in a .json file. The content of the file should be as follows

{ "username": "John_Doe", "password": "my_password" }, where "John_Doe" and "my_password" should be substituted with the actual username and password.

USING V-RAY, PHOENIX FD & PDPLAYER LICENSES REMOTELY

- Changing V-Ray / Phoenix FD / PDPlayer license settings via the command-line.

The license settings can be directly changed by replacing or editing the **vrlclient.xml** file that holds the license settings information. The default location of the file and its syntax are explained in [this article](#).

Changing the settings can also be [done via command-line](#) with the **setvrlservice** program. This executable is available with all installations for Windows, MacOS and Linux.

CHAOS CLOUD:

Chaos Cloud is a cloud rendering service that works as a native V-Ray feature. Chaos Cloud handles everything automatically – from licensing and uploading scenes to launching virtual machines – allowing users to tap into the unlimited power of the cloud and render their projects immediately. The service is designed to help users hit deadlines and finish their projects faster than before.

Users new to the service can test Chaos Cloud with 20 free credits. To get an idea of the credit cost and render time using Chaos Cloud, visit the [sample scenes page](#).

Chaos Cloud does not require a different set up when working from a remote location. All that is needed is a stable internet connection.