



HW / SW Purchase
Single License
SW Installation
Limited HW power
Work from office
Data Transfer

VS

Pay-per-Use
Non-limited Licenses
Pre Installed SW
Unlimited HW power
Work from Anywhere
Data Sharing



Universal worldwide cloud-based SaaS platform for 3rd party desktop software

User Manual 4.2

Date: June 21, 2020



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1. Introduction

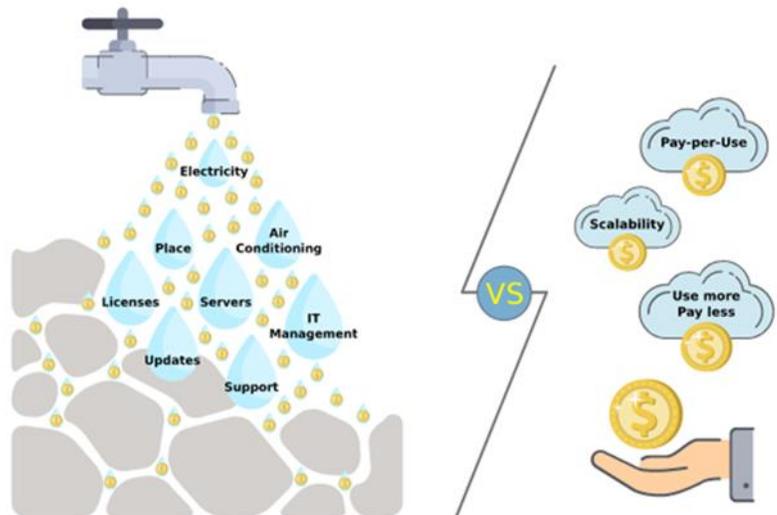
[Geocloud.work](http://www.geocloud.work) is a Software-as-a-Service worldwide cloud-based platform, which enables working with any 3rd party geospatial desktop software through remote desktop technology (RDP). The software pre-installed at a variety of computers and ready-for-work in minutes. Users get unlimited remote access to fully licensed, pre-installed and verified, updated and ready for immediate use software from various software vendors.

The platform provides a remote access to a variety of licensed software for 2D/3D CAD, Mechanical Design, BIM, 3D Modeling, Photogrammetry, GIS, Remote Sensing, Mapping, Marine Mapping, Hydrography, Cartography, Geodesy, Geology, Rendering, Image Editing, Satellite/Airborne/UAV/Drone imagery processing, storage and computers

For our customers - the platform provides an instant remote access to licensed software products in a variety of domains. Customers can work with ready-for-use preinstalled software products on a Pay-per-Use or a Period Subscription basis. No software download and installation are required.

Customer Benefits:

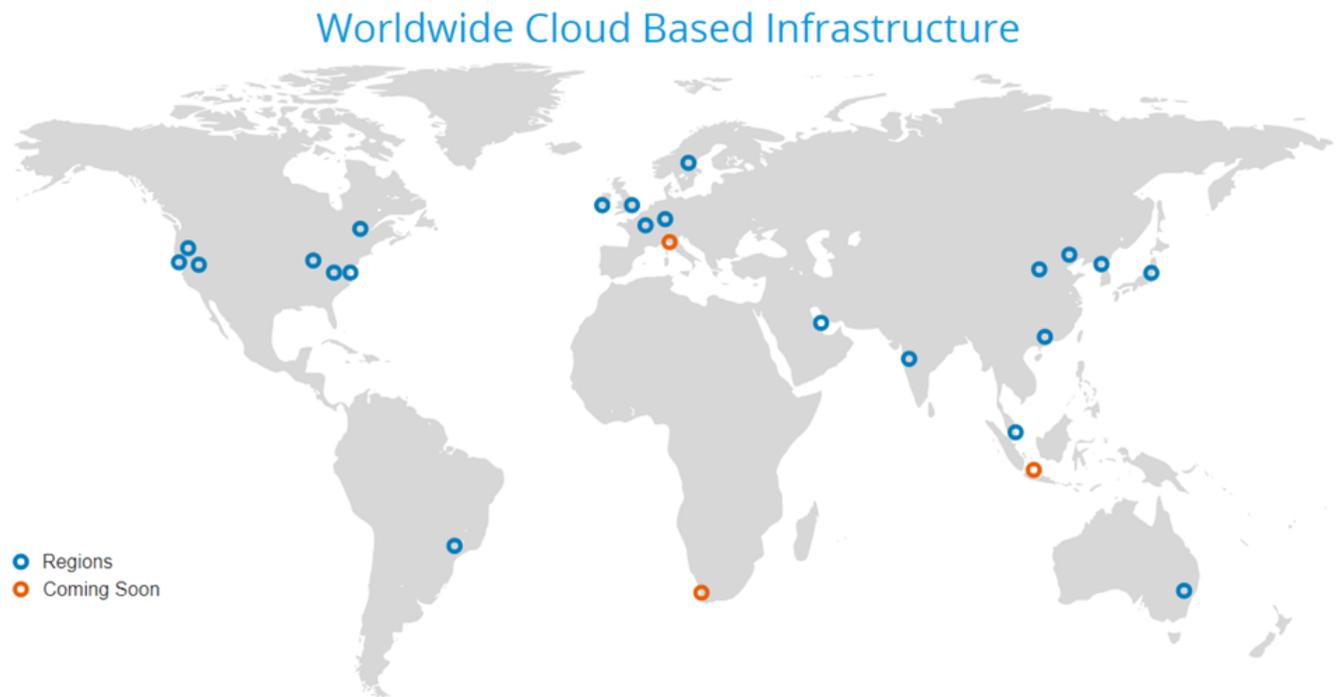
- No need to buy, update and install software licenses
- No need to buy, install and maintain powerful computers
- No licenses and/or computers limitations
- Software and hardware scalability
- Ready-for-Use, No Download, No Installation
- Stable software in tested computer environment
- Work from home, work from anywhere, work anytime
- Data sharing vs Data transfer
- Pay for it only when you use it
- Pay-per-Use or Period Subscription models
- More you work less you pay



For software vendors - the platform provides 24/7 sales channel on a Pay-per-Use or/and a Period Subscription basis, one-time installation and an approach to diverse customers worldwide, reduced marketing and sales costs, prevention of piracy. No special cloud-based software development is required.

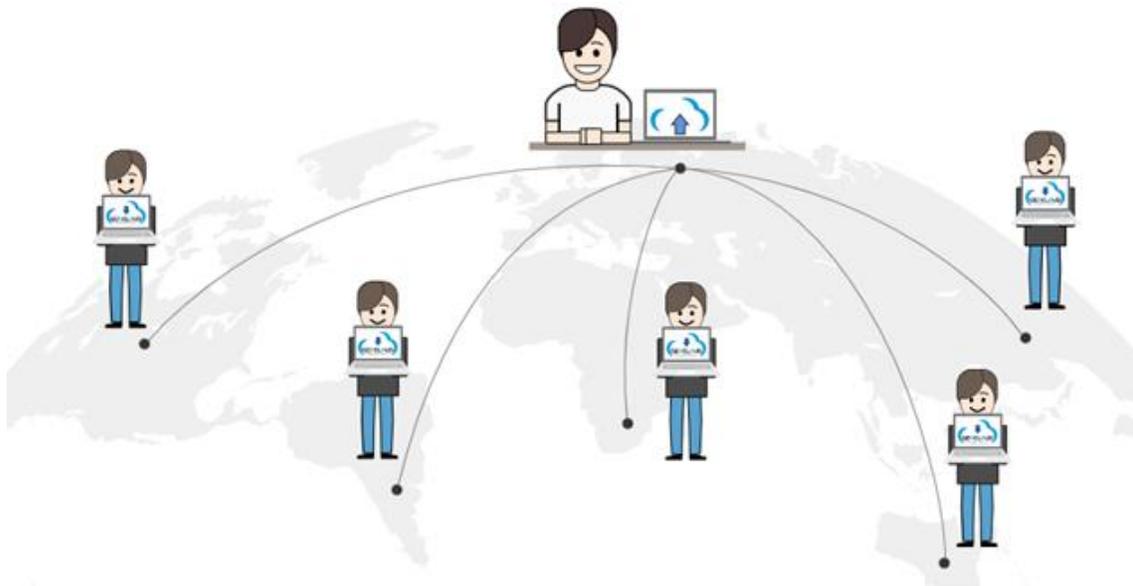
Advantages for software vendors:

- 24/7 automatic sales channel
- Pay-per-Use or/and a Period Subscription models
- One-time installation in tested OS and computer environment
- Reduced support cost
- Reduced marketing and sales costs
- Possibility to arrange a ready-to-use trial period
- Possibility to arrange on-line courses for customers
- Prevention of piracy
- No special cloud-based software development is required



You can use and/or share your purchased licenses:

- Install your purchased licenses on the powerful computers for self-installation and work with them worldwide.
- Share worldwide these licenses with your friends, colleagues and your customers



You can create and share your data:

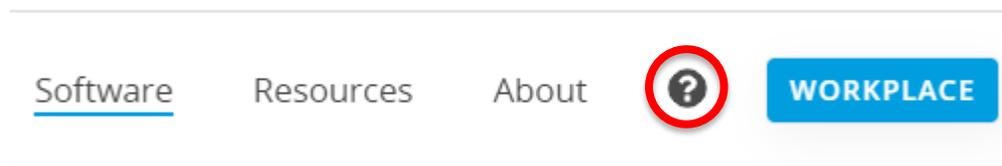
- Create your data with software available on GeoCloud or with your own software
- Share this data with your friends, colleagues and your customers

Self-service computers offer various OS and hardware configurations: Windows, Linux, GPU, CPU, RAM and Storage.

	Self-Service m5/2 Comments > v2.0 Latest Version 2vCPU, 8GB RAM General purpose small instance
	Self-Service m5/4 Comments > v2.0 Latest Version 4vCPU, 16GB RAM General purpose medium instance
	Self-Service m5/8 Comments > v2.0 Latest Version 8vCPU, 32GB RAM General purpose large instance
	Self-Service m5/16 Comments > v2.0 Latest Version 16vCPU, 64GB RAM General purpose large instance
	Self-Service m5/48 Comments > v2.0 Latest Version 48vCPU, 192GB RAM General purpose large instance
	Self-Service m5/96 Comments > v2.0 Latest Version 96vCPU, 384GB RAM General purpose power instance
	Self-Service g3/32/2 Comments > v2.0 Latest Version 32vCPU, 244GB RAM, 2 NVIDIA TESLA M60 GPU/16GB Accelerated computing for graphics applications and 3D rendering DirectX 12, OpenGL 4.6, OpenCL 2.2, CUDA 10.1
	Self-Service g3/64/4 Comments > v2.0 Latest Version 64vCPU, 488GB RAM, 4 NVIDIA TESLA M60 GPU/32GB Accelerated computing for graphics applications and 3D rendering DirectX 12, OpenGL 4.6, OpenCL 2.2, CUDA 10.1

2. User Manual and Legal Documents

Read the User Manual before starting work. You can access the User Manual on each page by clicking the “?” located at the top right of each page. The complete User Manual is only on the main page. On each other page is only the relevant part of the User Manual.



The following legal documents are at the bottom of the main page:



3. Your working environment

There are no special requirements for your local hardware. You can work with any desktop computer, laptop, tablet or even a mobile phone.

Windows, Mac OS, Linux, Android, or iOS can be installed on your local device. Use Remote Desktop (RDP) on your Windows, Android, or iOS device to connect to your virtual computer in Geocloud. Windows typically comes with the Remote Desktop client installed. If you don't have it installed, follow the instructions: <https://support.microsoft.com/en-us/help/4028379/windows-10-how-to-use-remote-desktop>

Mac OS users can use the following Microsoft Remote Desktop for Mac to work with the virtual computer on Geocloud: <https://apps.apple.com/us/app/microsoft-remote-desktop/id1295203466?mt=12>

To connect from Linux to Geocloud's virtual computer using Remote Desktop, read the following: <https://opensource.com/article/18/6/linux-remote-desktop>
<https://www.ubuntupit.com/fast-and-secure-remote-desktop-clients-for-linux/>

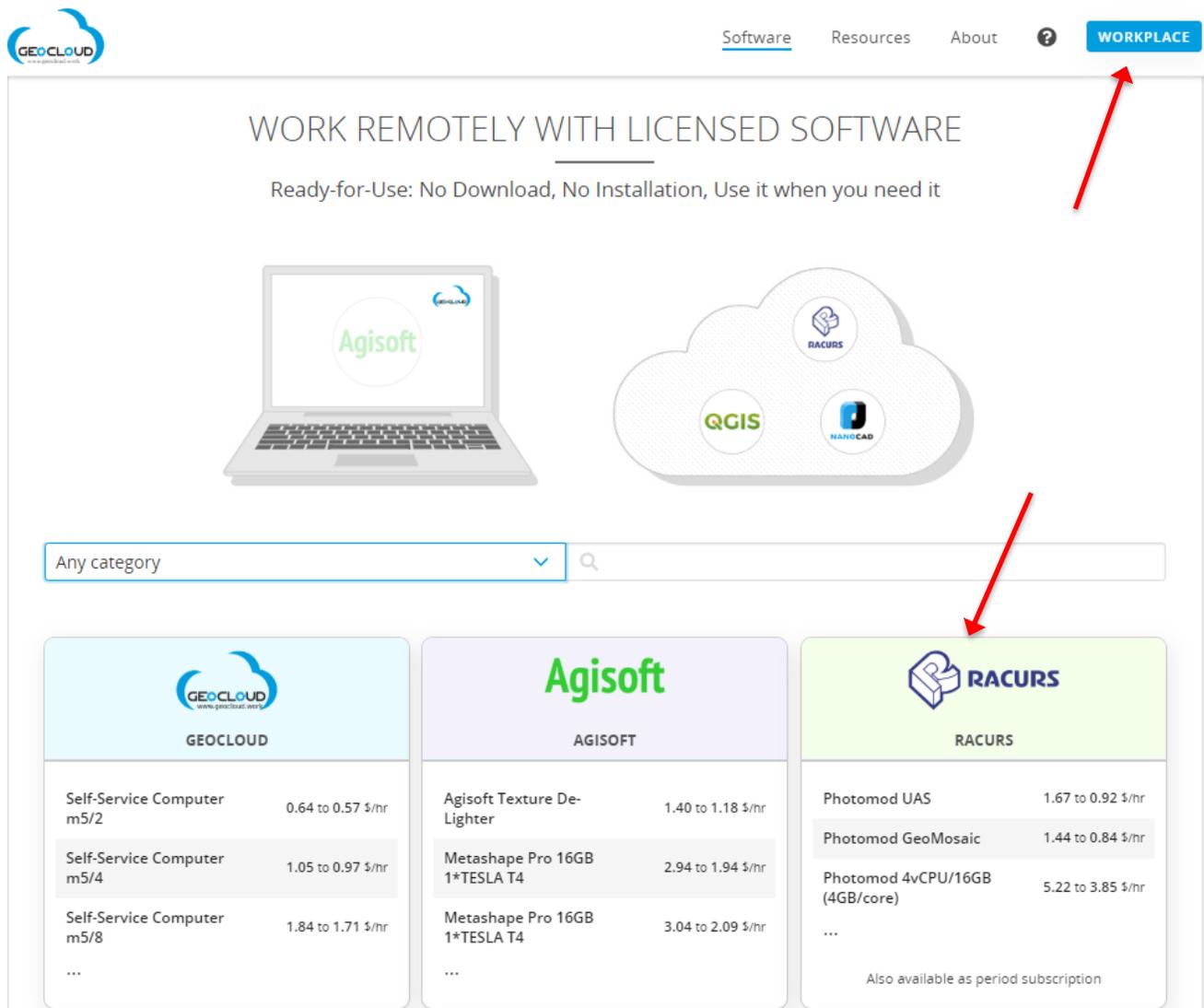
All work with applications (software products) is performed on remote virtual machines. Each software product is installed on a separate computer with specifications defined by the software vendor.

Sometimes the same software is installed on computers with different specifications (Windows, Linux, RAM, CPU, GPU), which makes it possible to provide this software at different prices and with different processing productivity or different functionality.

You use the Internet to connect to Geocloud and to upload / download data. The speed of your local Internet can affect the smoothness of interactive work with applications and the time of uploading / downloading data. Internet speed does not affect the performance of processing itself on remote computers.

4. Start working (enter the Workplace)

To start working, click the **Workplace** button or the icon of one of the companies on the main page.



Software Resources About ? **WORKPLACE**

WORK REMOTELY WITH LICENSED SOFTWARE

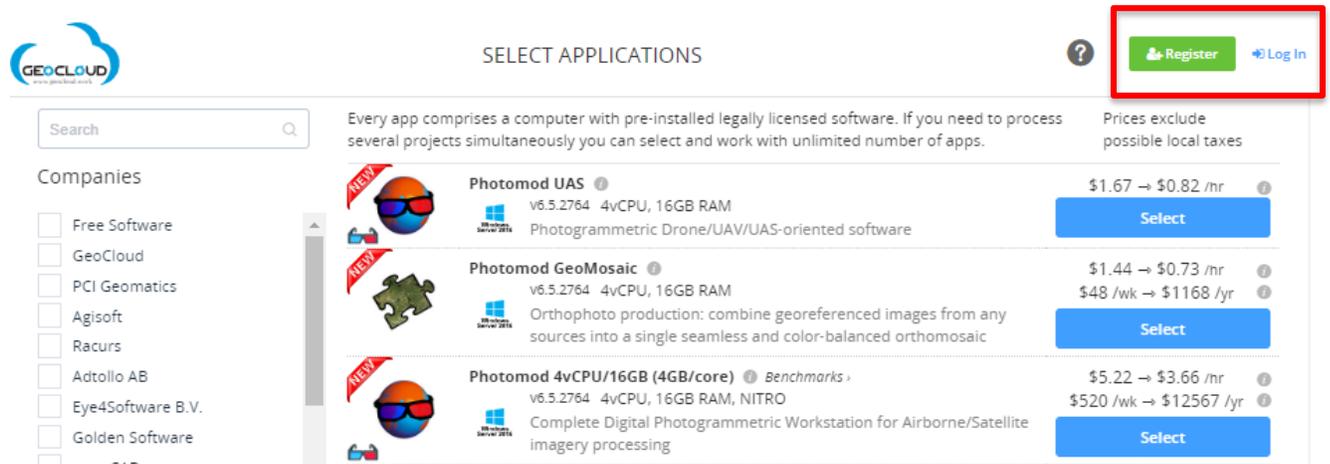
Ready-for-Use: No Download, No Installation, Use it when you need it

Any category

GEOCLOUD		AGISOFT		RACURS	
Self-Service Computer m5/2	0.64 to 0.57 \$/hr	Agisoft Texture De-Lighter	1.40 to 1.18 \$/hr	Photomod UAS	1.67 to 0.92 \$/nr
Self-Service Computer m5/4	1.05 to 0.97 \$/hr	Metashape Pro 16GB 1*TESLA T4	2.94 to 1.94 \$/hr	Photomod GeoMosaic	1.44 to 0.84 \$/nr
Self-Service Computer m5/8	1.84 to 1.71 \$/hr	Metashape Pro 16GB 1*TESLA T4	3.04 to 2.09 \$/hr	Photomod 4vCPU/16GB (4GB/core)	5.22 to 3.85 \$/nr
...		

Also available as period subscription

You will be forwarded to the SELECT APPLICATIONS page



SELECT APPLICATIONS

Register Log In

Search

Every app comprises a computer with pre-installed legally licensed software. If you need to process several projects simultaneously you can select and work with unlimited number of apps. Prices exclude possible local taxes

Company	Application	Price	Action
<input type="checkbox"/> Free Software	NEW  Photomod UAS v6.5.2764 4vCPU, 16GB RAM Photogrammetric Drone/UAV/UAS-oriented software	\$1.67 → \$0.82 /nr	Select
<input type="checkbox"/> GeoCloud	NEW  Photomod GeoMosaic v6.5.2764 4vCPU, 16GB RAM Orthophoto production: combine georeferenced images from any sources into a single seamless and color-balanced orthomosaic	\$1.44 → \$0.73 /nr \$48 /wk → \$1168 /yr	Select
<input type="checkbox"/> PCI Geomatics	NEW  Photomod 4vCPU/16GB (4GB/core) <i>Benchmarks</i> v6.5.2764 4vCPU, 16GB RAM, NITRO Complete Digital Photogrammetric Workstation for Airborne/Satellite imagery processing	\$5.22 → \$3.66 /nr \$520 /wk → \$12567 /yr	Select
<input type="checkbox"/> Agisoft			
<input type="checkbox"/> Racurs			
<input type="checkbox"/> Adtollo AB			
<input type="checkbox"/> Eye4Software B.V.			
<input type="checkbox"/> Golden Software			
<input type="checkbox"/> ...			

5. Registration

New users must register and create an account, and registered users can log in. If you are a registered user and log in from your permanent computer, you will be automatically redirected to your account without any additional logins.

LOG IN

E-mail

Password

remember me

Login

Or Log In with

 Log In with Google

[Forgot Password?](#)
[Do not have an account?](#)

REGISTRATION

E-mail

Full name

Organization (optional)

New password for this account

Register

Or Log In with



Log In with Google

Already have an account?

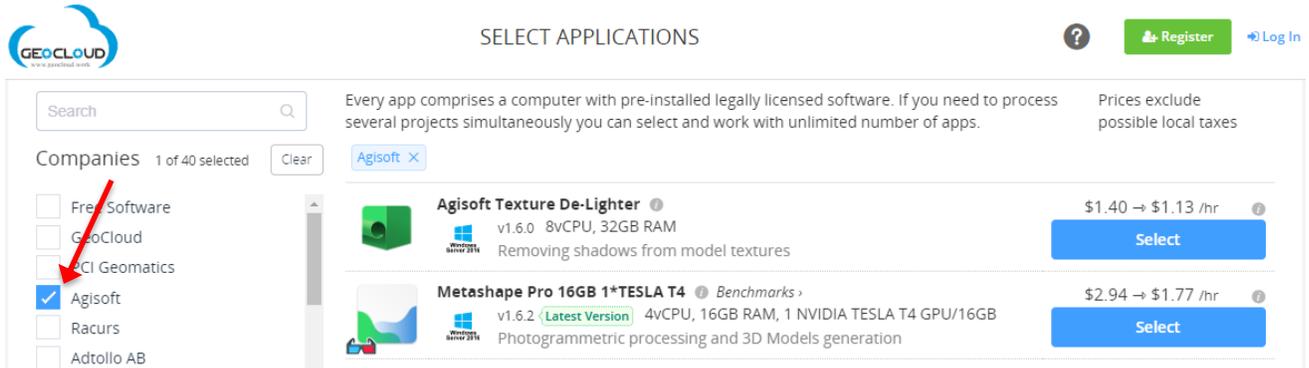
By signing up, you read and agree to our [terms of use](#) and [privacy policy](#). You also agree to receive updates from GeoCloud, from which you are free to unsubscribe at any time.

You can register and/or log in with your Google account.

After the registration, you will return to the SELECT APPLICATIONS page.

6. Select Applications

You can search for Applications by company or category, or simply by entering the desired application name in the search box.



SELECT APPLICATIONS Register Log In

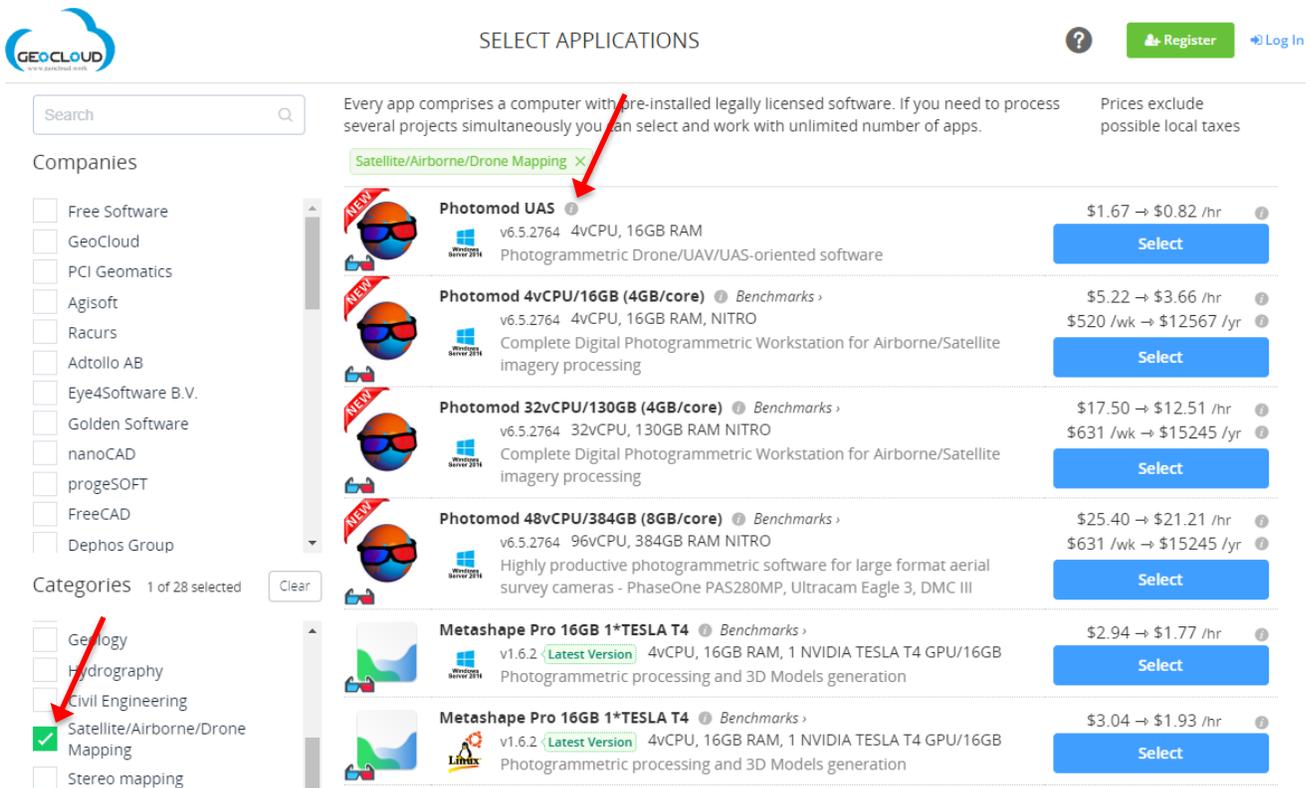
Search

Every app comprises a computer with pre-installed legally licensed software. If you need to process several projects simultaneously you can select and work with unlimited number of apps. Prices exclude possible local taxes

Companies 1 of 40 selected Clear Agisoft X

- Free Software
- GeoCloud
- PCI Geomatics
- Agisoft
- Racurs
- Adtollo AB

Application	Specs	Price	Action
Agisoft Texture De-Lighter ⓘ	v1.6.0 8vCPU, 32GB RAM Removing shadows from model textures	\$1.40 → \$1.13 /hr ⓘ	Select
Metashape Pro 16GB 1*TESLA T4 ⓘ <i>Benchmarks</i>	v1.6.2 Latest Version 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB Photogrammetric processing and 3D Models generation	\$2.94 → \$1.77 /hr ⓘ	Select



SELECT APPLICATIONS Register Log In

Search

Every app comprises a computer with pre-installed legally licensed software. If you need to process several projects simultaneously you can select and work with unlimited number of apps. Prices exclude possible local taxes

Companies

- Free Software
- GeoCloud
- PCI Geomatics
- Agisoft
- Racurs
- Adtollo AB
- Eye4Software B.V.
- Golden Software
- nanoCAD
- progeSOFT
- FreeCAD
- Dephos Group

Categories 1 of 28 selected Clear Satellite/Airborne/Drone Mapping X

- Geology
- Hydrography
- Civil Engineering
- Satellite/Airborne/Drone Mapping
- Stereo mapping

Application	Specs	Price	Action
NEW Photomod UAS ⓘ	v6.5.2764 4vCPU, 16GB RAM Photogrammetric Drone/UAV/UAS-oriented software	\$1.67 → \$0.82 /hr ⓘ	Select
NEW Photomod 4vCPU/16GB (4GB/core) ⓘ <i>Benchmarks</i>	v6.5.2764 4vCPU, 16GB RAM, NITRO Complete Digital Photogrammetric Workstation for Airborne/Satellite imagery processing	\$5.22 → \$3.66 /hr ⓘ \$520 /wk → \$12567 /yr ⓘ	Select
NEW Photomod 32vCPU/130GB (4GB/core) ⓘ <i>Benchmarks</i>	v6.5.2764 32vCPU, 130GB RAM NITRO Complete Digital Photogrammetric Workstation for Airborne/Satellite imagery processing	\$17.50 → \$12.51 /hr ⓘ \$631 /wk → \$15245 /yr ⓘ	Select
NEW Photomod 48vCPU/384GB (8GB/core) ⓘ <i>Benchmarks</i>	v6.5.2764 96vCPU, 384GB RAM NITRO Highly productive photogrammetric software for large format aerial survey cameras - PhaseOne PAS280MP, Ultracam Eagle 3, DMC III	\$25.40 → \$21.21 /hr ⓘ \$631 /wk → \$15245 /yr ⓘ	Select
Metashape Pro 16GB 1*TESLA T4 ⓘ <i>Benchmarks</i>	v1.6.2 Latest Version 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB Photogrammetric processing and 3D Models generation	\$2.94 → \$1.77 /hr ⓘ	Select
Metashape Pro 16GB 1*TESLA T4 ⓘ <i>Benchmarks</i>	v1.6.2 Latest Version 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB Photogrammetric processing and 3D Models generation	\$3.04 → \$1.93 /hr ⓘ	Select

By clicking on the icon ⓘ, you will get all the main functions of the application and links to the main website of the software vendor and the technical documentation of the software or the support page.

Official docs [📄](#) Company site [🌐](#)

Categories:

[3D Modeling](#) [Geospatial](#) [LiDAR](#)

[Photogrammetry](#) [Point Cloud](#)

[Satellite/Airborne/Drone Mapping](#) [Stereo mapping](#)

Features:

Photogrammetric triangulation

DSM/DTM creation

Dense point cloud editing and classification

Orthophoto creation

Measurements of distances, areas, volumes

There are Applications available for use in different operating systems (Windows  and Linux ) and in different computer configurations. You can use them all from your regular PC or MAC computer.

The “Benchmarks” next to several Applications give you information on the processing performance of these Applications.

Every app comprises a computer with pre-installed legally licensed software. If you need to process several projects simultaneously you can select and work with unlimited number of apps.

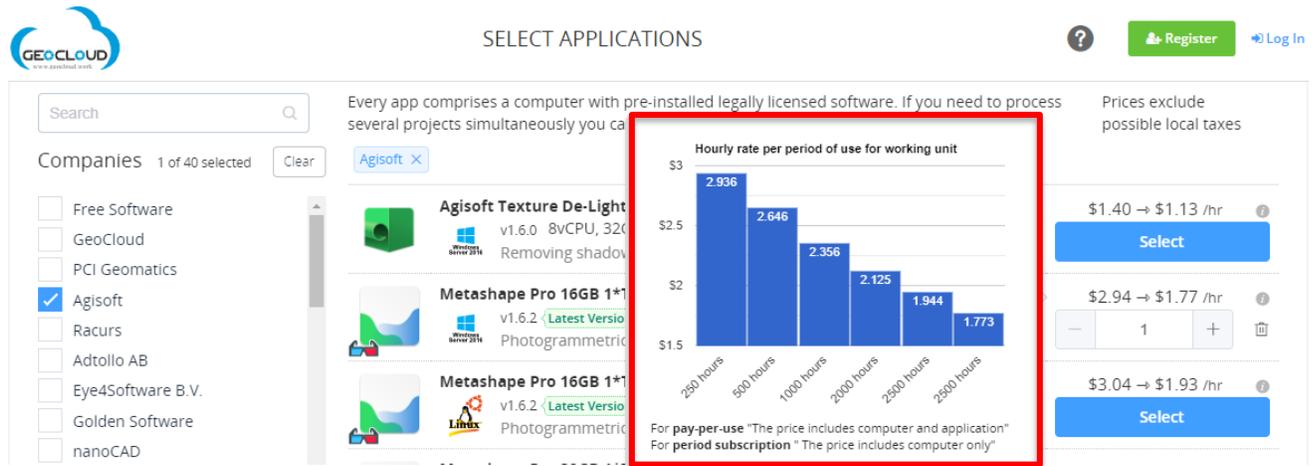
Prices exclude possible local taxes

Companies 1 of 40 selected Clear [Agisoft X](#)

- Free Software
- GeoCloud
- PCI Geomatics
- Agisoft
- Racurs
- Adtollo AB
- Eye4Software B.V.
- Golden Software
- nanoCAD
- progeSOFT
- FreeCAD

				<p>Metashape Pro 16GB 1*TESLA T4 📊 Benchmarks ></p> <p>v1.6.2 📄 Latest Version 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB</p> <p style="font-size: 0.7em;">Photogrammetric processing and 3D Models generation</p>	<p>\$2.94 → \$1.77 /hr 🔍</p> <p style="background-color: #007bff; color: white; text-align: center; padding: 5px;">Select</p>
				<p>Metashape Pro 16GB 1*TESLA T4 📊 Benchmarks ></p> <p>v1.6.2 📄 Latest Version 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB</p> <p style="font-size: 0.7em;">Photogrammetric processing and 3D Models generation</p>	<p>\$3.04 → \$1.93 /hr 🔍</p> <p style="background-color: #007bff; color: white; text-align: center; padding: 5px;">Select</p>
				<p>Metashape Pro 32GB 1*TESLA T4 📊 Benchmarks ></p> <p>v1.6.2 📄 Latest Version 8vCPU, 32GB RAM, 1 NVIDIA TESLA T4 GPU/16GB</p> <p style="font-size: 0.7em;">Photogrammetric processing and 3D Models generation</p>	<p>\$3.73 → \$2.44 /hr 🔍</p> <p style="background-color: #007bff; color: white; text-align: center; padding: 5px;">Select</p>
				<p>Metashape Pro 32GB 1*TESLA T4 📊 Benchmarks ></p> <p>v1.6.2 📄 Latest Version 8vCPU, 32GB RAM, 1 NVIDIA TESLA T4 GPU/16GB</p> <p style="font-size: 0.7em;">Photogrammetric processing and 3D Models generation</p>	<p>\$5.00 → \$3.81 /hr 🔍</p> <p style="background-color: #007bff; color: white; text-align: center; padding: 5px;">Select</p>

Each application has its own Hourly rate of working (active) application, which is represented by a graph

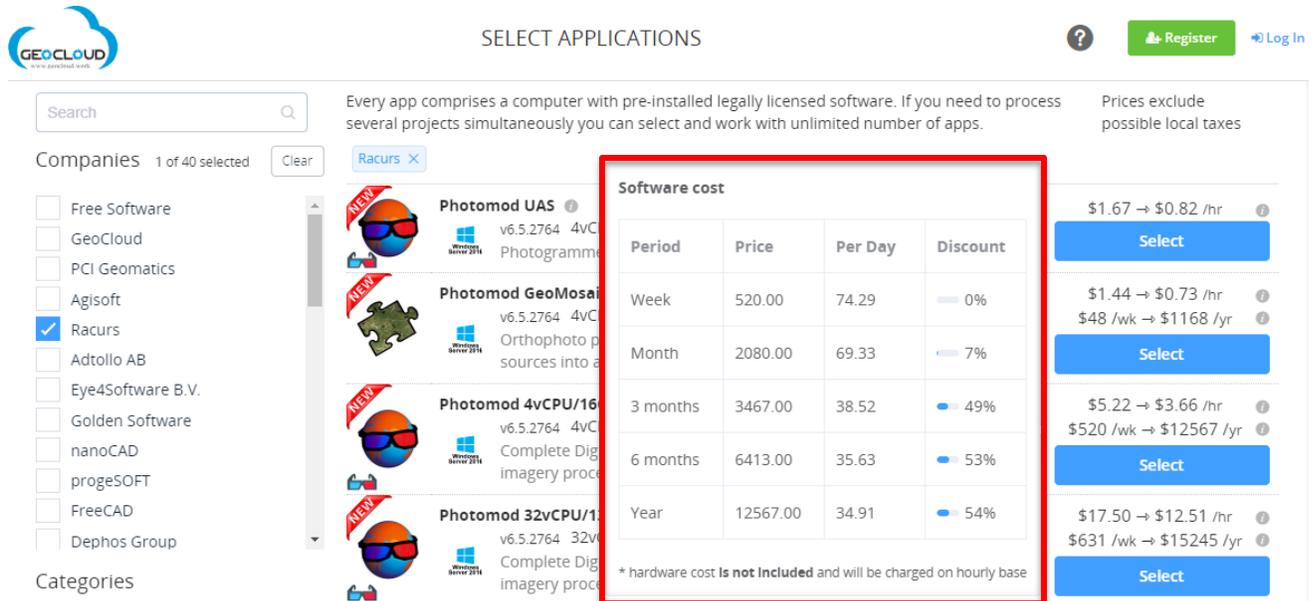


The screenshot shows the 'SELECT APPLICATIONS' page with a search bar and a list of companies. A red box highlights a bar chart titled 'Hourly rate per period of use for working unit'. The chart shows the hourly rate for different working periods: 250 hours (\$2.936), 500 hours (\$2.646), 1000 hours (\$2.356), 2000 hours (\$2.125), 2500 hours (\$1.944), and 2500 hours (\$1.773). Below the chart, it states: 'For pay-per-use *The price includes computer and application* For period subscription *The price includes computer only*'. To the right, there are pricing options for different applications, such as '\$1.40 → \$1.13 /hr' and '\$2.94 → \$1.77 /hr', with 'Select' buttons.

The Hourly rate includes the cost of the software and the computer on which the software is installed.

The Hourly rate for the Application depends on the number of hours worked with this Application and decreases with an increase in the number of working hours. There are 6 groups of working hours: 250, 500, 1000, 2000, 2500, 2500 hours.

Some of Applications offered based on a Period Subscription model



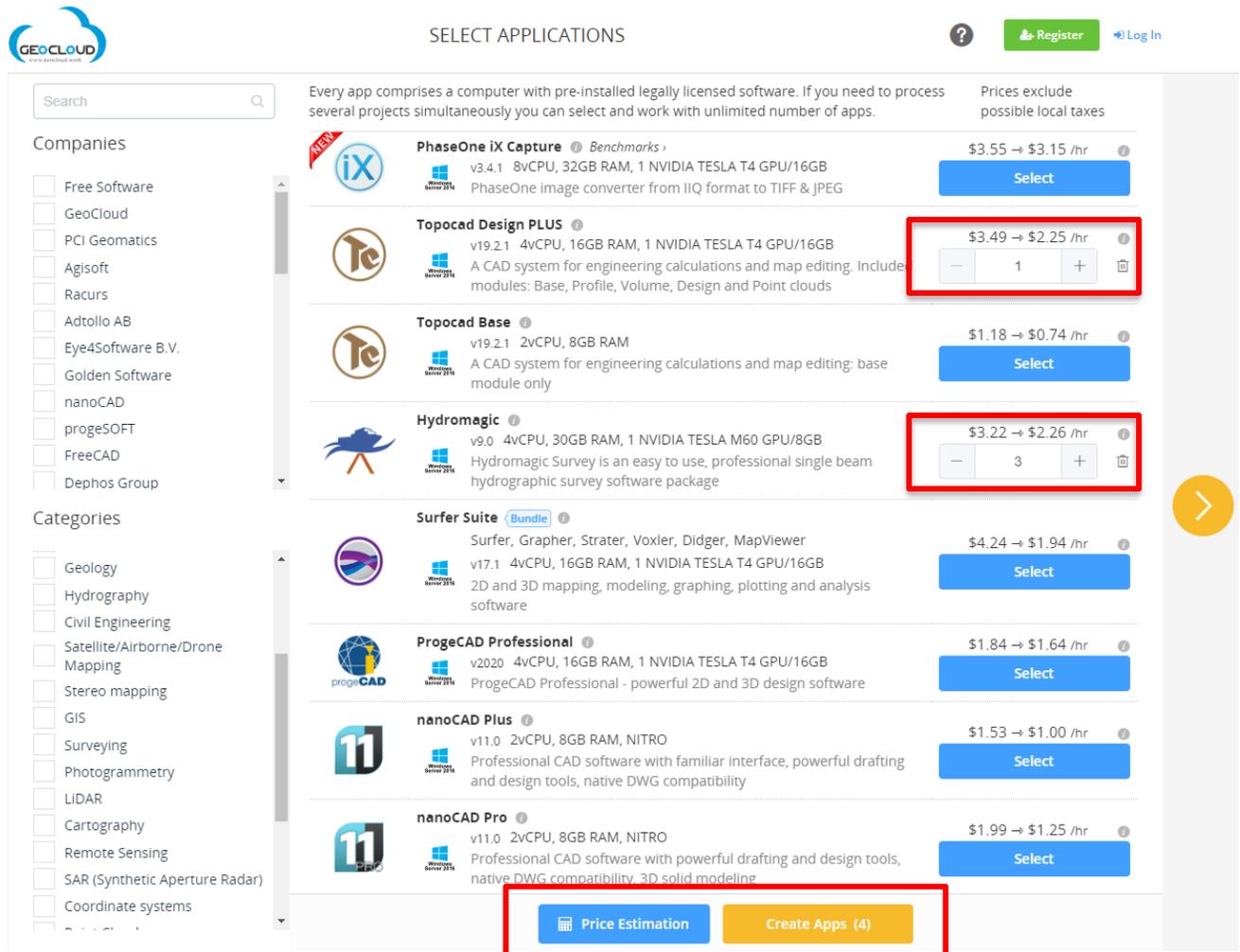
The screenshot shows the 'SELECT APPLICATIONS' page with a search bar and a list of companies. A red box highlights a table titled 'Software cost'. The table has columns for 'Period', 'Price', 'Per Day', and 'Discount'. The data is as follows:

Period	Price	Per Day	Discount
Week	520.00	74.29	0%
Month	2080.00	69.33	7%
3 months	3467.00	38.52	49%
6 months	6413.00	35.63	53%
Year	12567.00	34.91	54%

Below the table, it states: '* hardware cost is not included and will be charged on hourly base'. To the right, there are pricing options for different applications, such as '\$1.67 → \$0.82 /hr' and '\$1.44 → \$0.73 /hr', with 'Select' buttons.

The price in the Period Subscription model includes only the price for the software and the hardware price is charged at the Hourly rate.

Select required Applications:



SELECT APPLICATIONS

Every app comprises a computer with pre-installed legally licensed software. If you need to process several projects simultaneously you can select and work with unlimited number of apps. Prices exclude possible local taxes

Companies

- Free Software
- GeoCloud
- PCI Geomatics
- Agisoft
- Racurs
- Adtollo AB
- Eye4Software B.V.
- Golden Software
- nanoCAD
- progeSOFT
- FreeCAD
- Dephos Group

Categories

- Geology
- Hydrography
- Civil Engineering
- Satellite/Airborne/Drone Mapping
- Stereo mapping
- GIS
- Surveying
- Photogrammetry
- LIDAR
- Cartography
- Remote Sensing
- SAR (Synthetic Aperture Radar)
- Coordinate systems

Application	Specifications	Price	Quantity
PhaseOne iX Capture <small>NEW</small>	v3.4.1 8vCPU, 32GB RAM, 1 NVIDIA TESLA T4 GPU/16GB PhaseOne image converter from IIQ format to TIFF & JPEG	\$3.55 → \$3.15 /hr	1
Topocad Design PLUS	v19.2.1 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB A CAD system for engineering calculations and map editing. Include modules: Base, Profile, Volume, Design and Point clouds	\$3.49 → \$2.25 /hr	1
Topocad Base	v19.2.1 2vCPU, 8GB RAM A CAD system for engineering calculations and map editing: base module only	\$1.18 → \$0.74 /hr	1
Hydromagic	v9.0 4vCPU, 30GB RAM, 1 NVIDIA TESLA M60 GPU/8GB Hydromagic Survey is an easy to use, professional single beam hydrographic survey software package	\$3.22 → \$2.26 /hr	3
Surfer Suite <small>Bundle</small>	Surfer, Grapher, Strater, Voxler, Didger, MapViewer v17.1 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB 2D and 3D mapping, modeling, graphing, plotting and analysis software	\$4.24 → \$1.94 /hr	1
ProgeCAD Professional	v2020 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB ProgeCAD Professional - powerful 2D and 3D design software	\$1.84 → \$1.64 /hr	1
nanoCAD Plus	v11.0 2vCPU, 8GB RAM, NITRO Professional CAD software with familiar interface, powerful drafting and design tools, native DWG compatibility	\$1.53 → \$1.00 /hr	1
nanoCAD Pro	v11.0 2vCPU, 8GB RAM, NITRO Professional CAD software with powerful drafting and design tools, native DWG compatibility, 3D solid modeling	\$1.99 → \$1.25 /hr	1

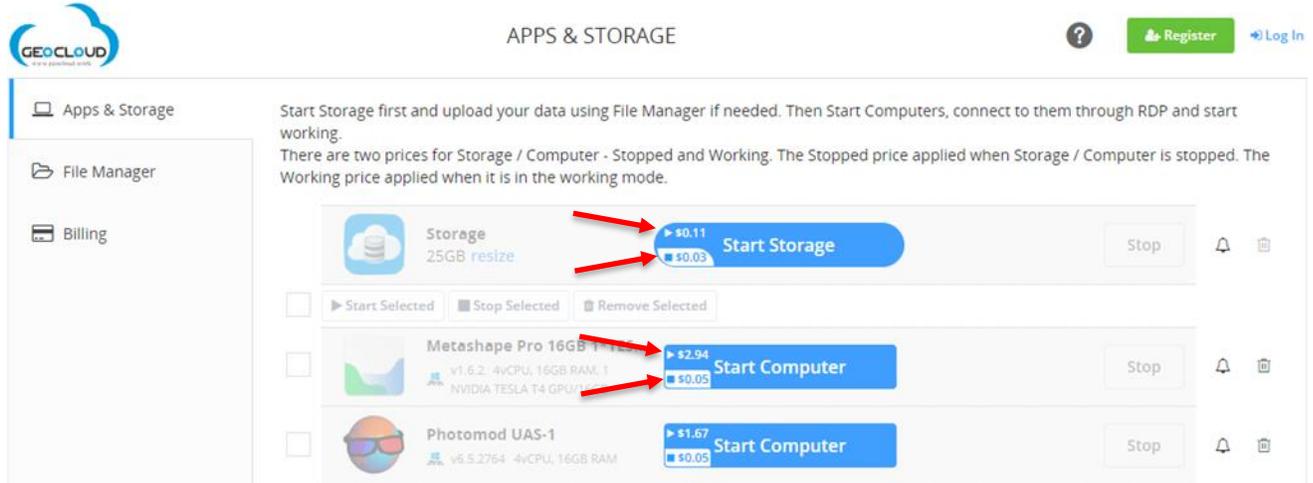
Price Estimation **Create Apps (4)**

You can choose several different and/or identical Applications. Several of the same Applications can help you process several projects at the same time or for group or classroom instruction.

After selecting the necessary Applications, you can choose **Price Estimation** or **Create Apps**. Clicking on **Create Apps** option you will be asked to define the Storage.

7. Prices

There are two prices for Storage and Application – Running hourly price and Stopped hourly price. The Running hourly price is applied when the Storage or App is running, the Stopped hourly price applied when they are stopped. Running status means Storage and App are started and could be in a process of uploading, downloading and Application could be processing the data. Stopped status means Storage and App are not running.



The screenshot shows the 'APPS & STORAGE' dashboard. It includes a navigation menu on the left with 'Apps & Storage', 'File Manager', and 'Billing'. The main content area displays a list of services with their status and pricing. Red arrows highlight the price labels for each service.

Service	Running Price	Stopped Price
Storage (25GB)	\$0.11	\$0.03
Metashape Pro (16GB)	\$2.94	\$0.05
Photomod UAS-1	\$1.67	\$0.05

Pay attention, you pay for every hour of use. Every not full hour is considered as a full hour. For example, if you work 3 hours and 1 minute, you will pay for 4 hours. Running and Stopped hours of Storage/Computer are counted from the time of Storage/Computer start and to the time of Storage/Computer stop. It means that it does not worth to stop your computer for the period less than 1 hour – every Start/Stop will cause a 1-hour payment. If you are planning to stop your work for the period larger than 1 hour, you can Stop your computer and even Remove it and save your money.

The GeoCloud Platform continuously monitors the Stopped/Running status and activity of the selected Applications and Storage and sends you different messages/alerts. For example, if your Storage and/or App are in the Running mode, but no processing actually occurs, the Platform will be sending you e-mail warnings every hour.

8. Price estimation

Price Estimation for every Application is based on the Application Running Hourly Rate, Expected Hours of Use, Number of Applications, Storage Volume and Data transfer speed. **Price Estimation does not take into account the possible cost of stopped Storage and Applications.**

Application	Instance	Expected Hours of Use	Number	Expected Price
 Photomod UAS v.6.5.2764	4vCPU, 16GB RAM	<input type="text" value="10"/> \$1.67 / hour during 1st Period (250 hours)	<input type="text" value="1"/>	\$16.69
 Topocad Design PLUS v.19.2.1	4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB	<input type="text" value="5"/> \$3.49 / hour during 1st Period (250 hours)	<input type="text" value="1"/>	\$17.47
 Hydromagic v.9.0	4vCPU, 30GB RAM, 1 NVIDIA TESLA M60 GPU/8GB	<input type="text" value="5"/> \$3.22 / hour during 1st Period (250 hours)	<input type="text" value="3"/>	\$48.36
 Metashape Pro 16GB 1*TESLA T4 v.1.6.2	4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB	<input type="text" value="10"/> \$2.94 / hour during 1st Period (250 hours)	<input type="text" value="1"/>	\$29.36
 Storage SSD	25GB Data transfer  <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Enhanced	<input type="text" value="12"/> \$0.11 / hour during 1st Period (250 hours)	<input type="text" value="1"/>	\$1.29
Your credit card will be charged at the beginning of every next month, only for the hours actually used.				Total estimation: \$113.17

9. Select Storage and Storage resizing

You can select between several standard Storage sizes: 1, 5, 25, 50, 100, 250, 500, 750 GB and 1, 2, 3, 5, 7, 10 TB. If you need more Storage size for you project, please contact our support team support@geocloud.work

The selected Storage is shared between all your Applications.

Select Storage

The Storage will be shared between all your applications.



Size

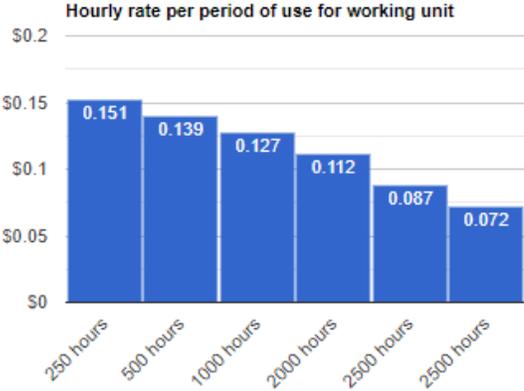
Hourly rate

\$0.15 → \$0.07

Enhanced data transfer

Create

Hourly rate per period of use for working unit



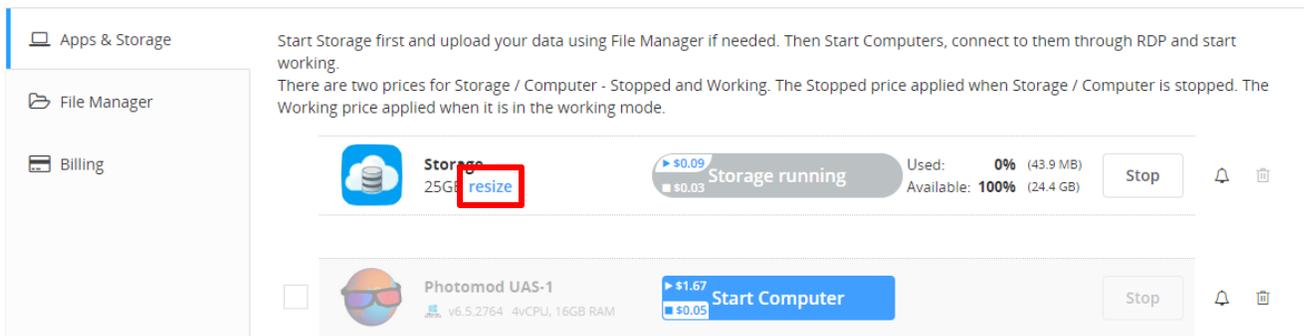
For **pay-per-use** "The price includes computer and application"
 For **period subscription** "The price includes computer only"

There are two options for Data Transfer Speed - Standard and Enhanced. If your internet speed is higher than 30 Mbps you can use either Standard or Enhanced. If you are planning to upload a large volume of data (images, raster files), better to use the Enhanced option, and if you are dealing mainly with ASCII or small binary files use the Standard option.

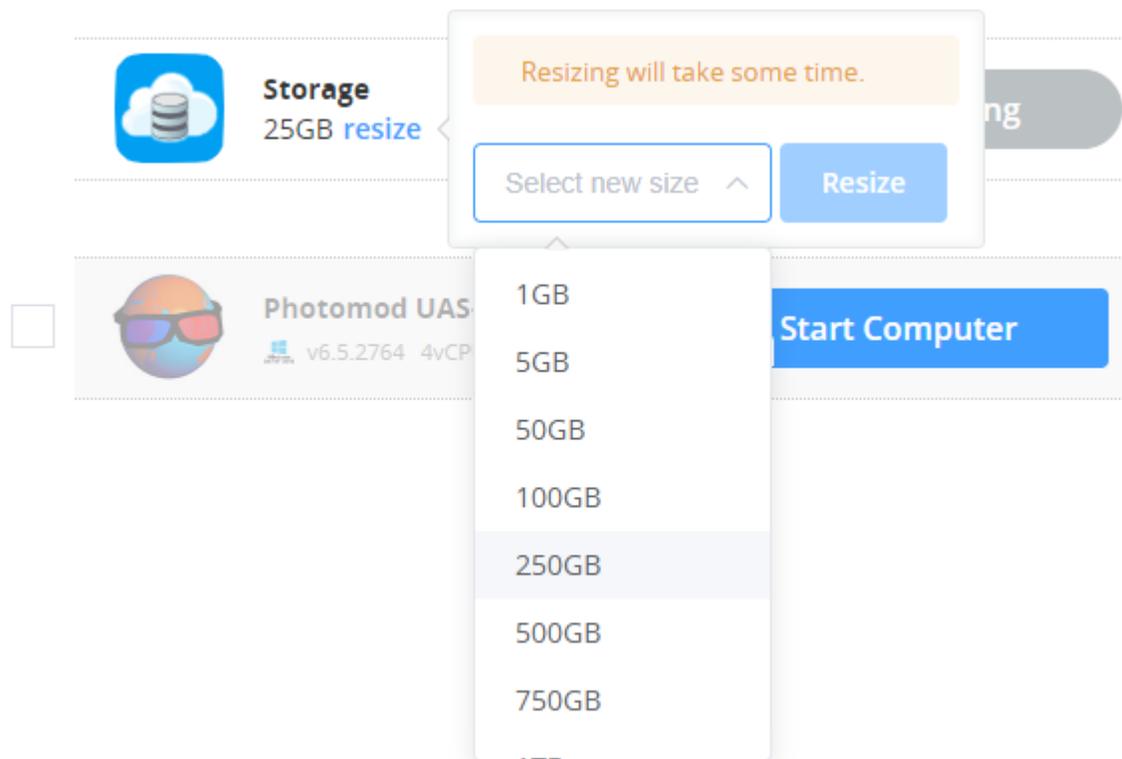
The Data Transfer speed is also important for processing productivity of some of Applications. Please refer to the Benchmarks of every application.

Storage volume will be defined as **GeoCloud (X)** and will be visible for all your Applications.

You can resize the Storage at any time.



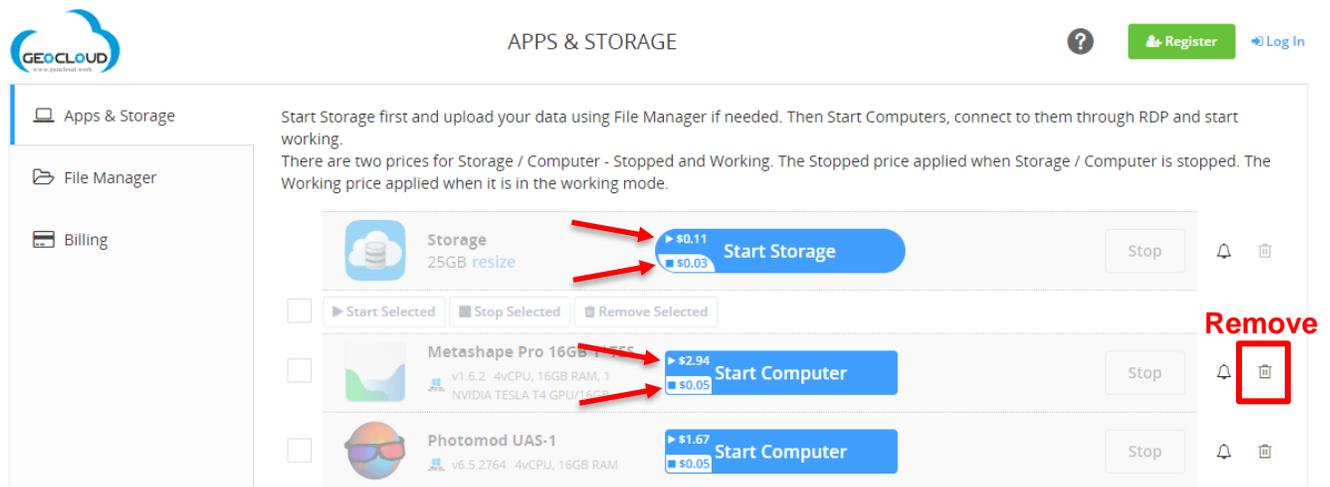
Storage should be in “running” mode, stop all your Apps, click “resize”, select “New size”



Resizing will take some time. Larger your current Storage and volume of data you have on it, more time it will take to resize. The resizing takes five steps. Every step is displayed on the screen.

10. Apps & Storage (Storage and Apps activation)

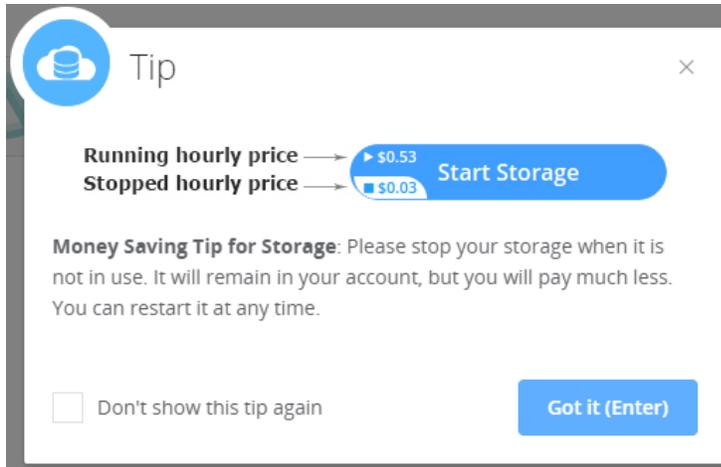
This page shows the Applications you have selected, computer's configuration for each Application, and Storage where all your data will be stored. All selected Applications will use the same Storage volume **GeoCloud (X)**



The screenshot displays the 'APPS & STORAGE' management interface. It includes a sidebar with 'Apps & Storage', 'File Manager', and 'Billing'. The main content area shows a list of services with their configurations and pricing. Red arrows point to the pricing information for the 'Storage' and 'Metashape Pro' services. A red box highlights the 'Remove' icon for the 'Metashape Pro' application.

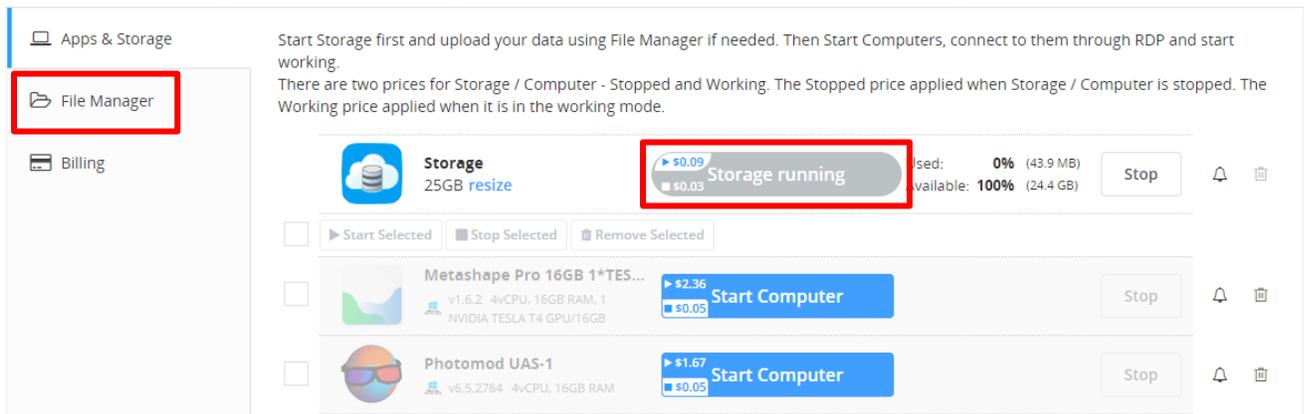
Service	Configuration	Running Price	Stopped Price	Action
Storage	25GB resize	\$0.11	\$0.03	Start Storage, Stop
Metashape Pro 16GB	v1.6.2 4vCPU, 16GB RAM, 1 NVIDIA TESLA T4 GPU/16GB	\$2.94	\$0.05	Start Computer, Stop, Remove
Photomod UAS-1	v6.S.2764 4vCPU, 16GB RAM	\$1.67	\$0.05	Start Computer, Stop

There are two prices for Storage and Application – Running hourly price and Stopped hourly price. The Running hourly price is applied when the Storage or App is running, the Stopped hourly price applied when they are stopped. Running status means Storage and App are started and could be in a process of uploading, downloading and Application could be processing the data. Stopped status means Storage and App are not running. When Storage is not uploading, downloading and not involved in any data processing, you can stop it. Stopped Storage will remain in your possession with all data on it, but hourly price will be much lower and you can start it at any time.

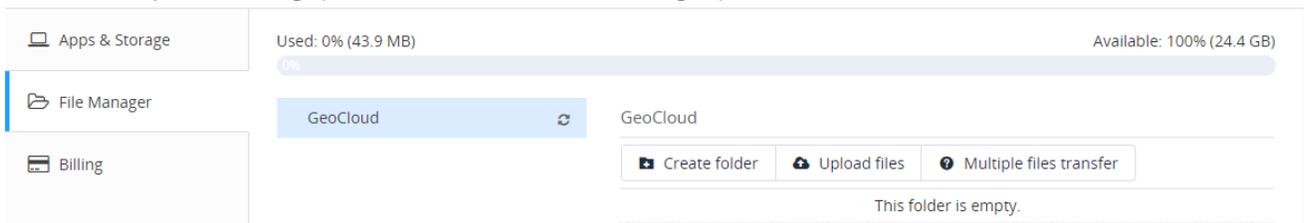


Pay attention! Do not remove your Storage if there is data on it and you still need this data. Download or share data first and then you can remove/delete Storage. There is no way to restore data from deleted Storage

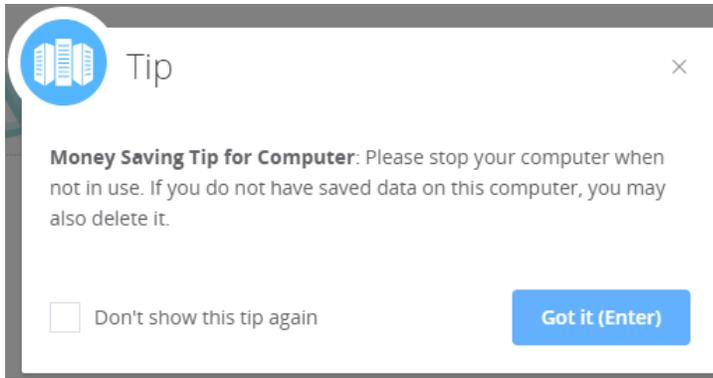
To start working, activate Storage first. Click the button **Start Storage**.



After the message **Storage running** appeared, go to **File Manager** tab and upload your data for further processing (more info is in File Manager)



After having data uploaded, start selected applications by clicking **Start Computer**

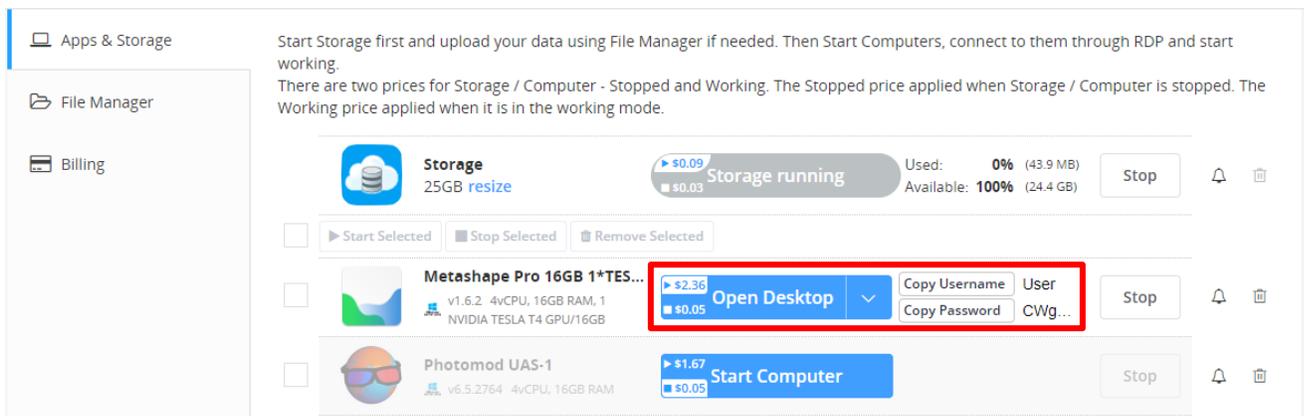


This tip also points out on the fact that there are two prices for computers (applications) – running and stopped. If Application is not working (processing data), you can Stop Computer or **even delete** it if you do not keep some data on disk C: of the Computer.

Pay attention! You pay for every hour of use. Every not full hour is considerate as a full hour. For example, if you work 3 hours and 1 minute, you will pay for 4 hours. Running and Stopped hours of Storage/Computer are counted from the time of Storage/Computer start and to the time of Storage/Computer stop. It means that it does not worth to stop your computer for the period less than 1 hour – every Start/Stop will cause a 1-hour payment. If you are planning to stop your work for the period larger than 1 hour, you can Stop your computer and even Remove it and save your money.

The GeoCloud Platform continuously monitors the Stopped/Running status and activity of the selected Applications and Storage, and sends you different messages/alerts. For example, if your Storage and/or App are in the Running mode, but no processing actually occurs, the Platform will be sending you warnings every hour.

When Computer is started and ready for work, the **Open Desktop** button appears:



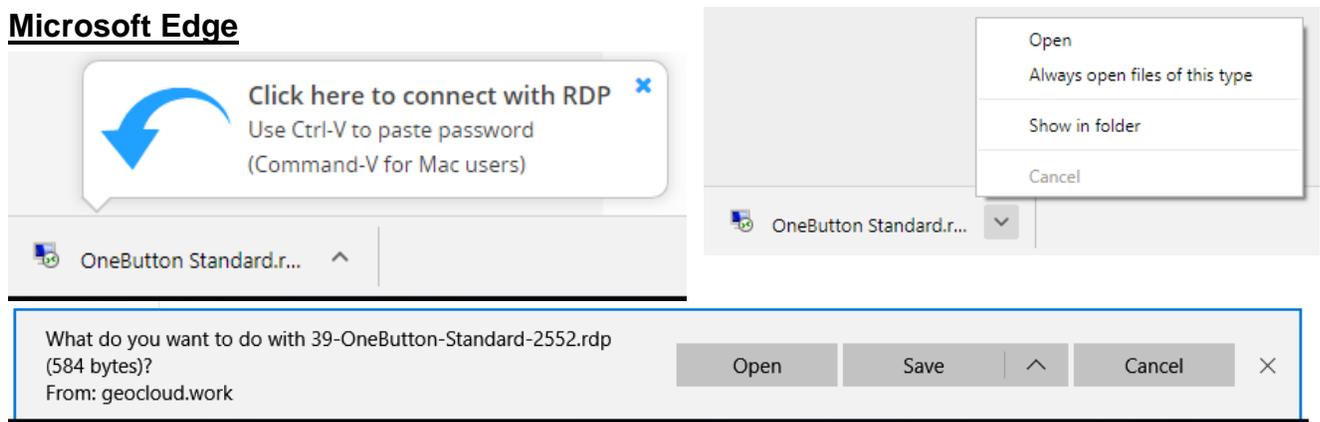
The first start of Windows based computer takes around 3-5 minutes. The first start of Linux based computer takes around 2 minutes. Every next start of the previously started and stopped computer takes under 1 minute.

Click **Copy Password** – the Password will be copied to the clipboard of your home computer and further will be used to connect to remote computer. In **Internet Explorer**, the Password should be copied manually.

Click **Open Desktop** and save the RDP file of the selected application on your home computer. The following message will appear in the bottom of the screen

Google Chrome:

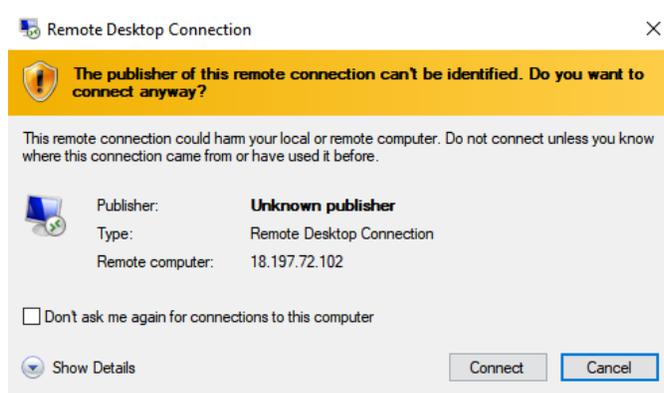
Microsoft Edge



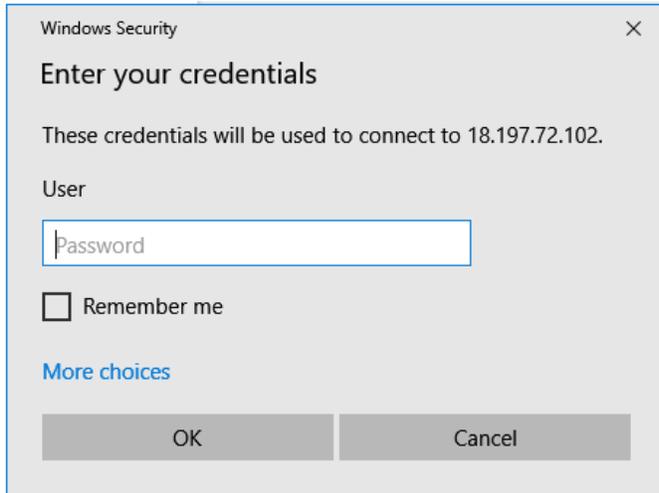
Internet Explorer



After clicking on the **Open** button, the **Remote Desktop Connection** window will appear:



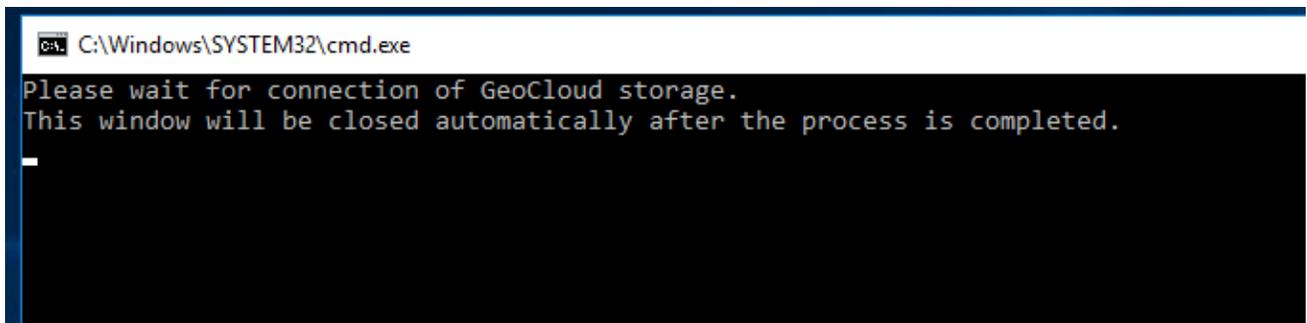
Clicking the **Connect** button, get you to **Enter your credentials** window



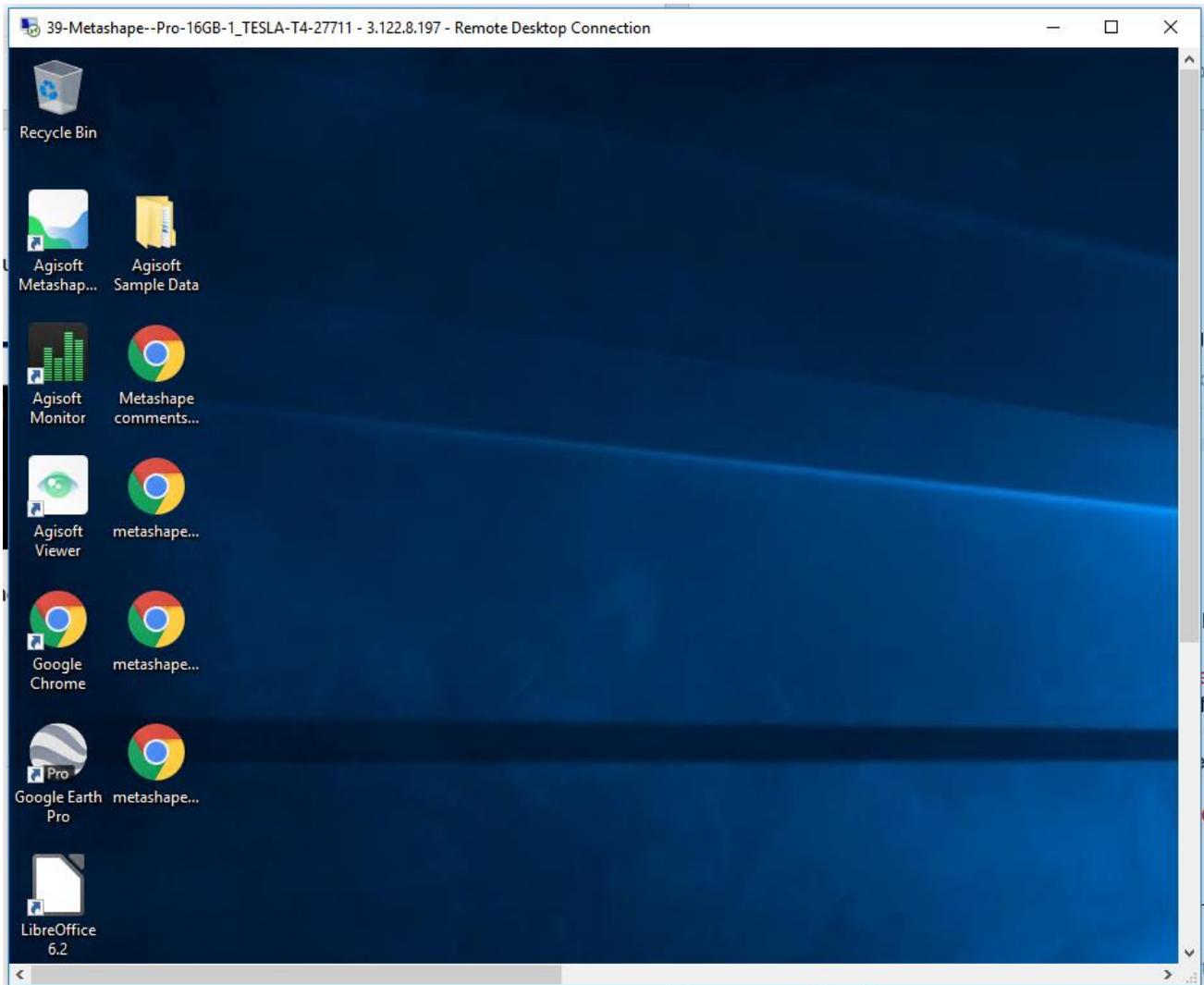
Enter the copied to the clipboard Password using the command Ctrl-V (or Command-V for Mac users).

Click **OK** button and you will be immediately forwarded to the RDP window of the chosen application.

In the open RDP window, you will see the following message. Please wait until the window closes.

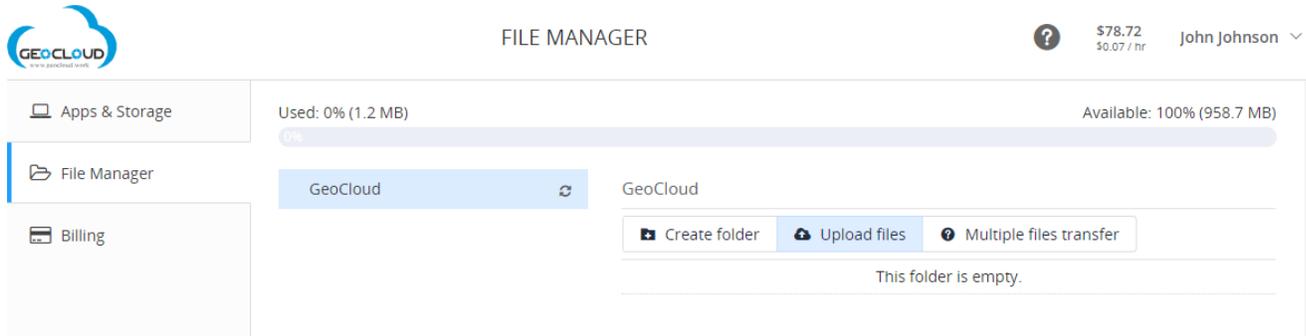


After the connection is established, a full RDP window will appear.



11. File Manager (upload/download/share/transfer data)

The **File Manager** tab serves for uploading, downloading and sharing data:

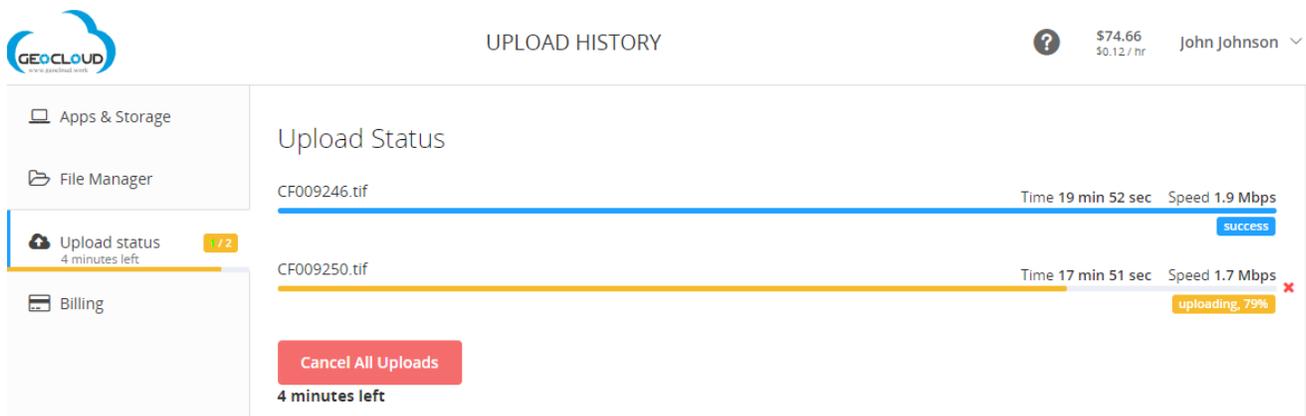


There are three functions for storage and files management:

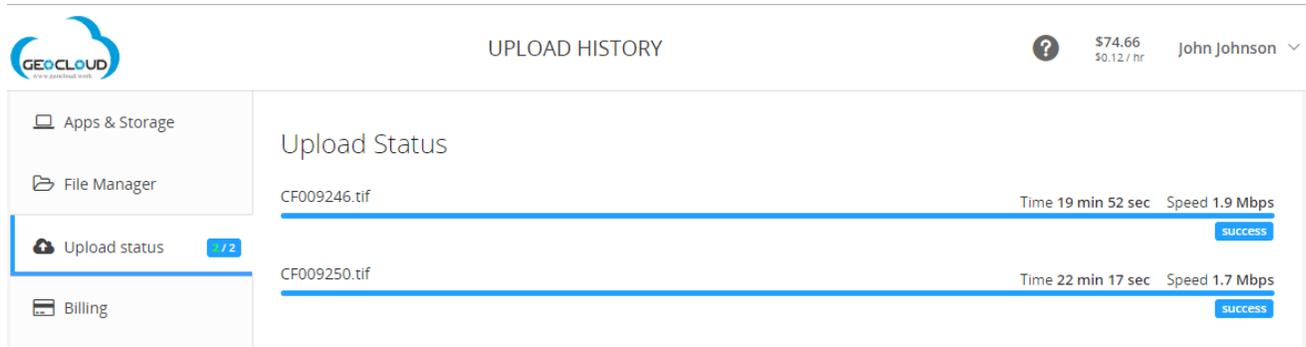
- **Create folder** - creates folders at **GeoCloud (X)** volume
- **Upload files** - serves for uploading files up to **5GB** of size
- **Multiple files transfer** - dedicated to multiple files and large data upload/download with help of SFTP (SSH File Transfer Protocol or Secure File Transfer Protocol)

Data is uploaded on a storage volume **GeoCloud (X)**  and shared between all of selected Applications.

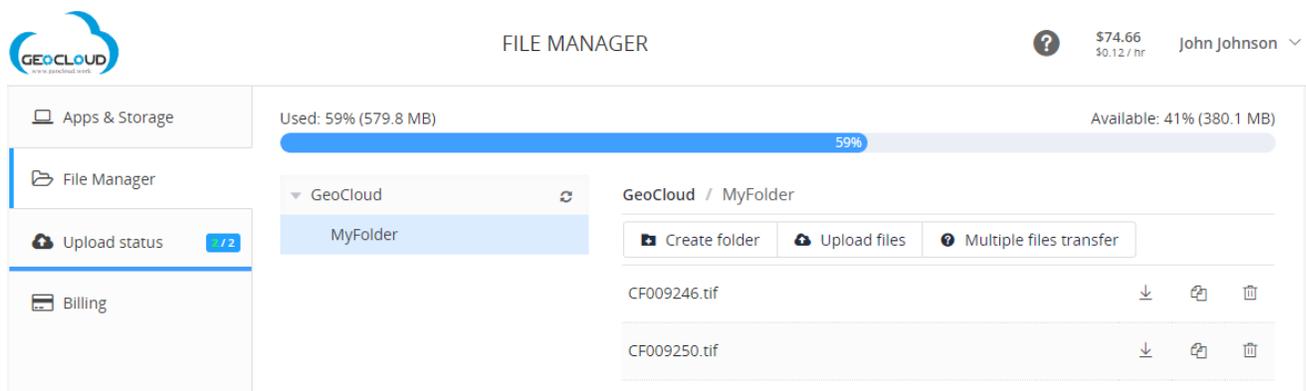
Upload status tab serves to monitor data uploading:



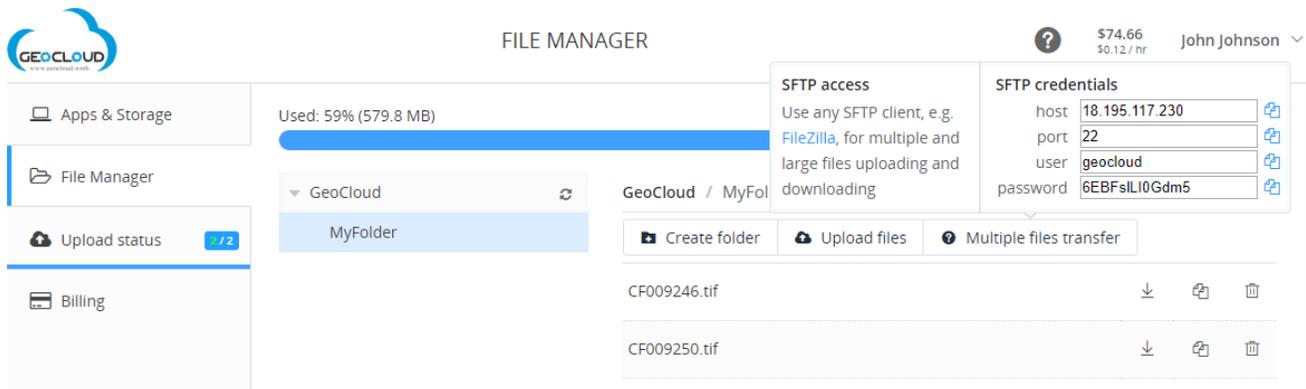
You can cancel uploading of one or all of files at any time. After uploading the files, the **Upload status** tab will change to:



and **File manager** tab will be updated:



The **Multiple files transfer** functions dedicated to multiple files and large data upload/download with help of SFTP (SSH File Transfer Protocol or Secure File Transfer Protocol):

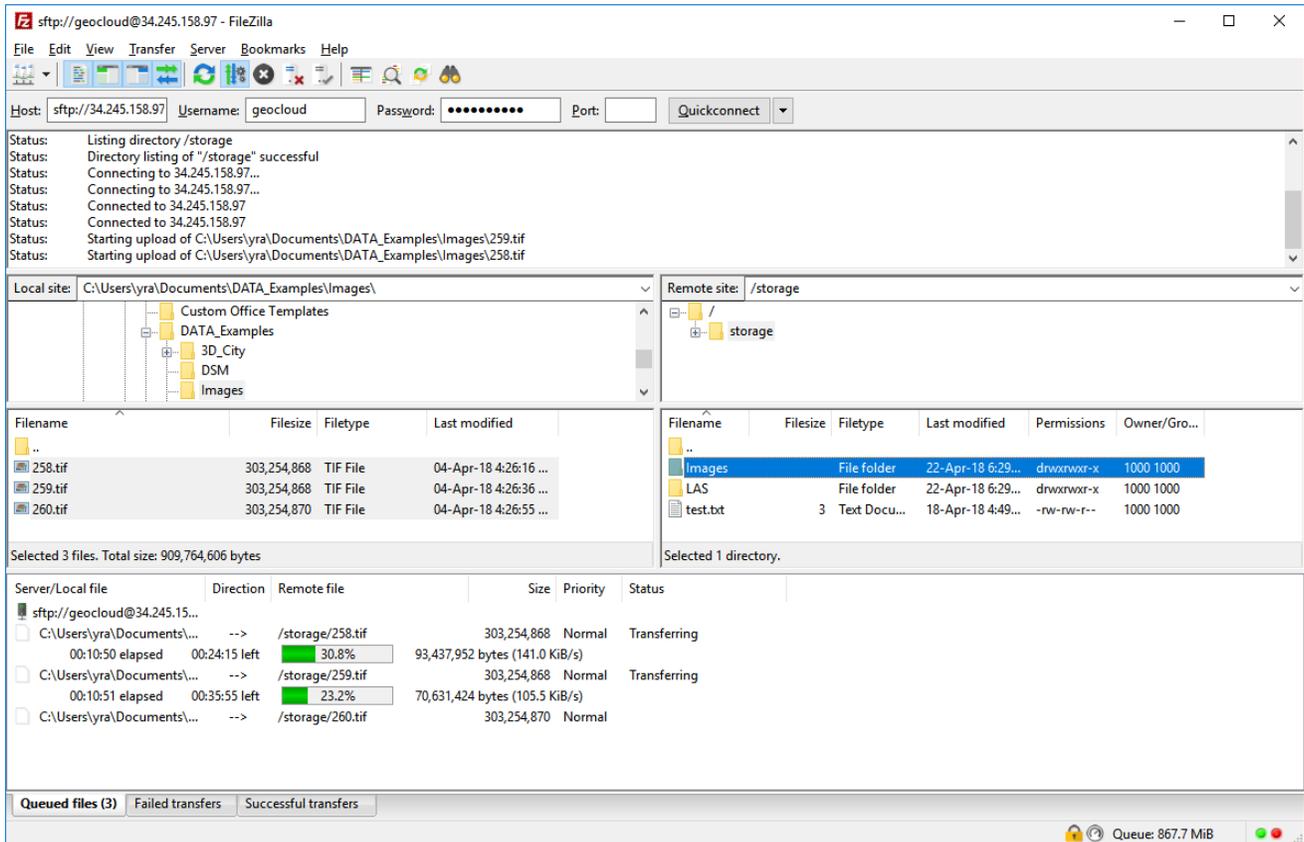


For multiple and large files uploading and downloading you can use any SFTP client, e.g. [FileZilla](https://filezilla-project.org/) client (<https://filezilla-project.org/>)

You can install the SFTP client on your local computer or use FileZilla available at www.geocloud.work. Use the SFTP credentials – host, port, user and password, to transfer

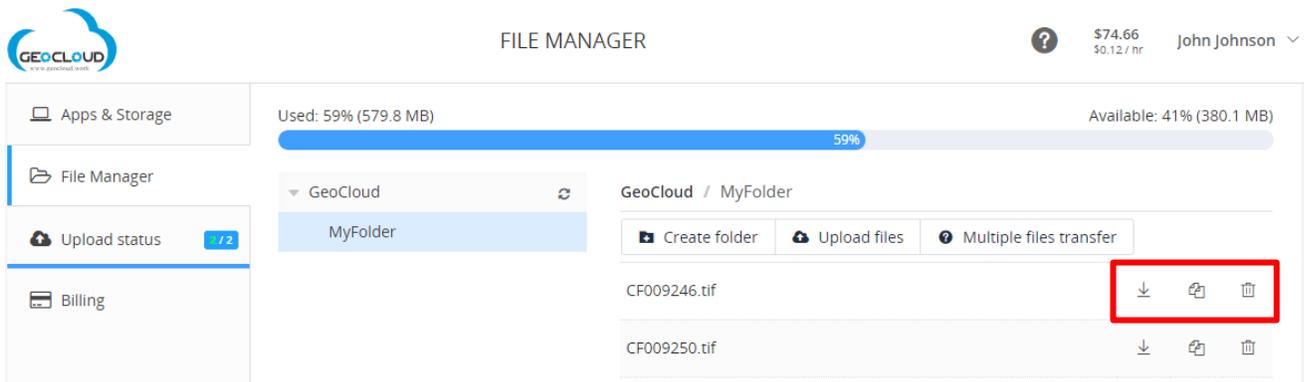
files. The Copy function from the right side of every bar is used to copy the credentials to the SFTP client program.

The following is a window of FileZilla®, the free FTP solution. Both a client and a server are available. FileZilla is an open source software distributed free of charge under the terms of the GNU General Public License. (<https://filezilla-project.org/>)



A list of FileZilla's features can be found here: https://filezilla-project.org/client_features.php

Other software products for SFTP access also may be used.



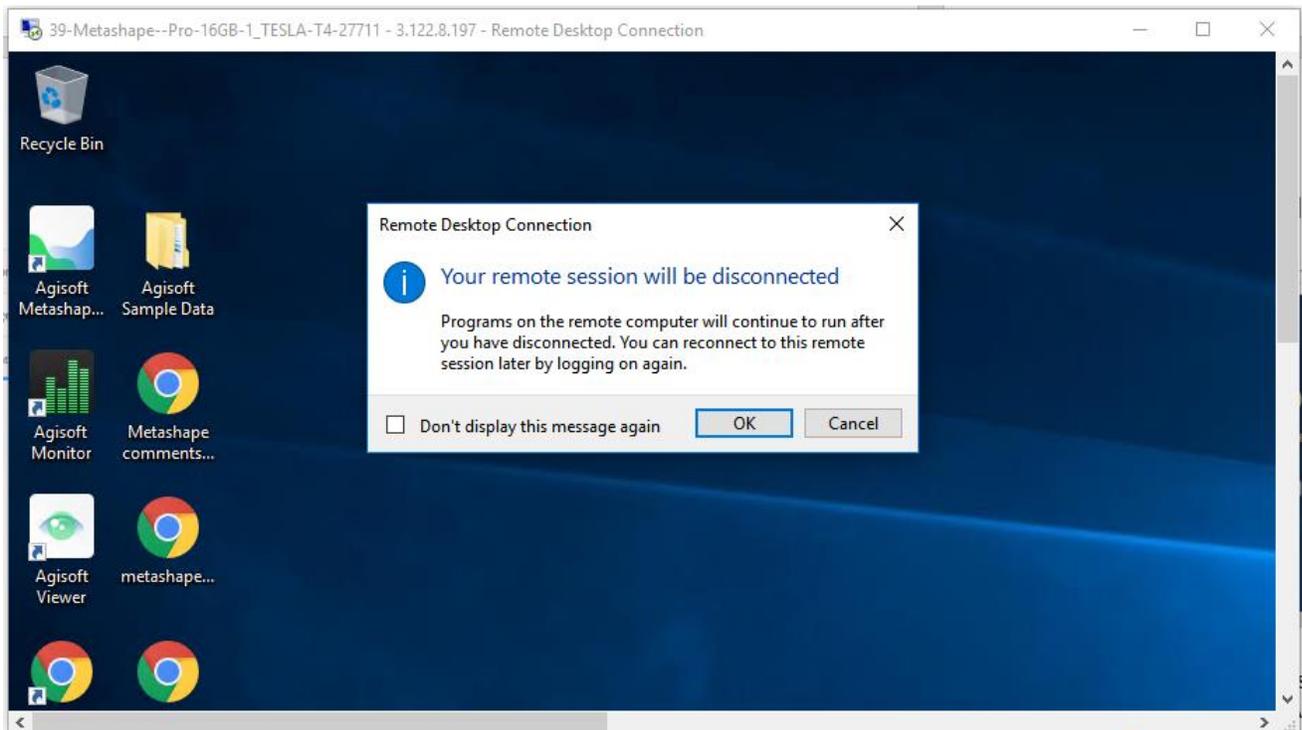
There are three functions applying to uploaded single file:

- **Download** – download a file on your home computer
- **Copy Link to Share** – you can send the link to your customer and he will be able to download the file to his computer
- **Delete** – delete file on **GeoCloud (X)** volume

Another convenient and fast way to transfer data between different clouds is to use the Internet service for computer file transfer www.wetransfer or similar. You can select your files from one cloud, send them to yourself and download files directly to your Storage, being in your GeoCloud account. This way of data transfer between different clouds is much faster than a regular Cloud-to-Computer-to-Cloud download and upload.

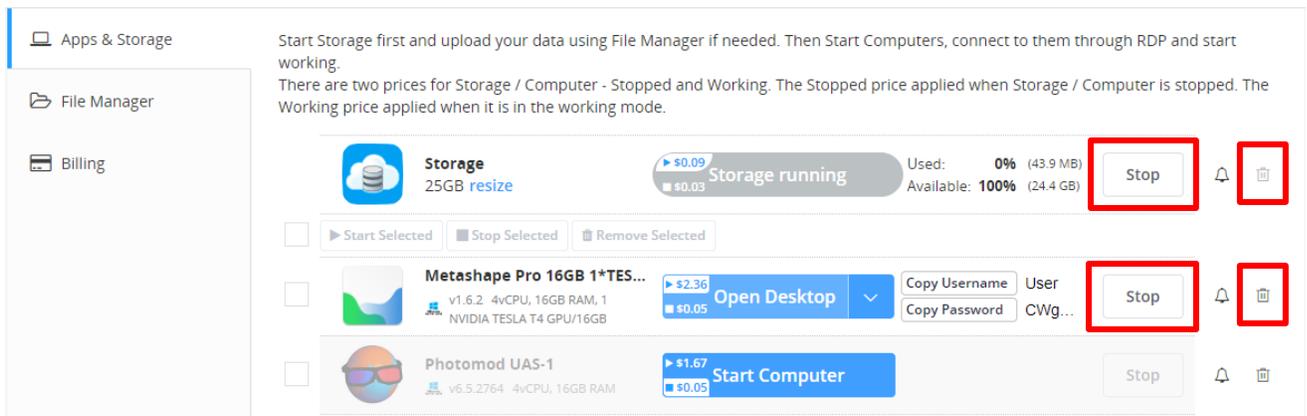
12. Ending of Remote Session

To end the remote session, close the Remote Desktop Connection window.

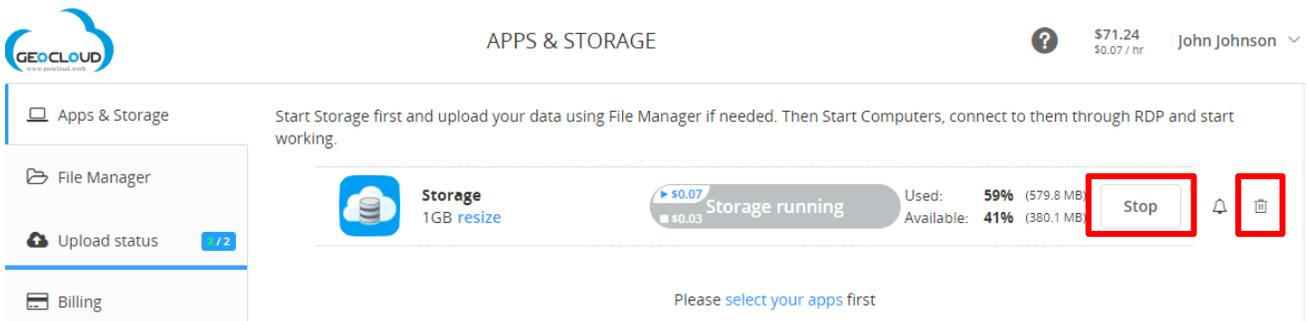


After that you will get to the APPS & STORAGE page

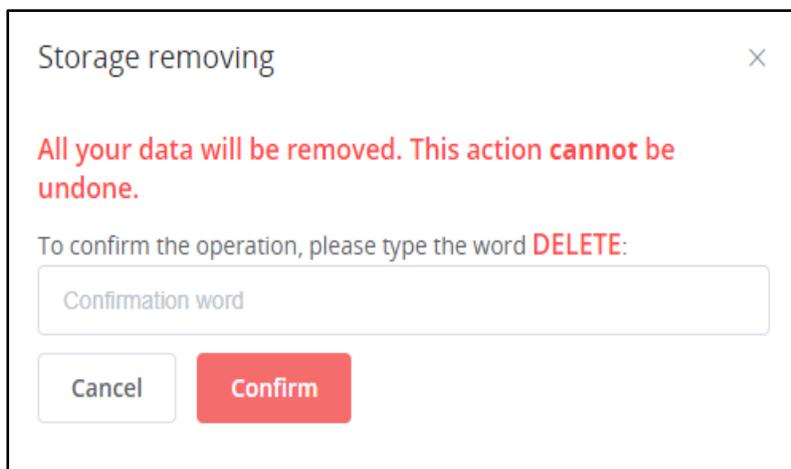
First, stop the running application/s clicking the **Stop button**. The stopping process may take a couple of minutes. Then remove Computer / s if you are not going to use it any time soon.



After stopping the Computer/s, you can stop the Storage. It also may take a couple of minutes.



Clicking the Delete basket will bring the following notification:



If you really want to delete your storage, enter manually the word **DELETE** and click the Confirm button.

Be careful! Deleting the storage will delete all your data without a possibility to restore it. If you need the data and still have not downloaded or shared it, **do not delete** your storage.

Pay attention! For the stopped storage and computer, you will pay according to the hourly rates of the stopped mode.

13. Billing

The APS & STORAGE page contains also the Billing information and different options for payment settings. There are two sub-pages here: **Monthly charges** and **Payment settings**

14. Monthly charges and Invoices

The **Monthly charges** page represents the accumulated hourly expenses of the customer in the form of a monthly report. The report is updated every hour in accordance with the actual use of various Applications and Storage. The report can be downloaded in PDF format.

- [Apps & Storage](#)
- [File Manager](#)
- [Billing](#)

Payment settings
Monthly charges
Referral Program

2020-06

↻

Pay-per-use report: June 2020 [Download this report in PDF format](#)

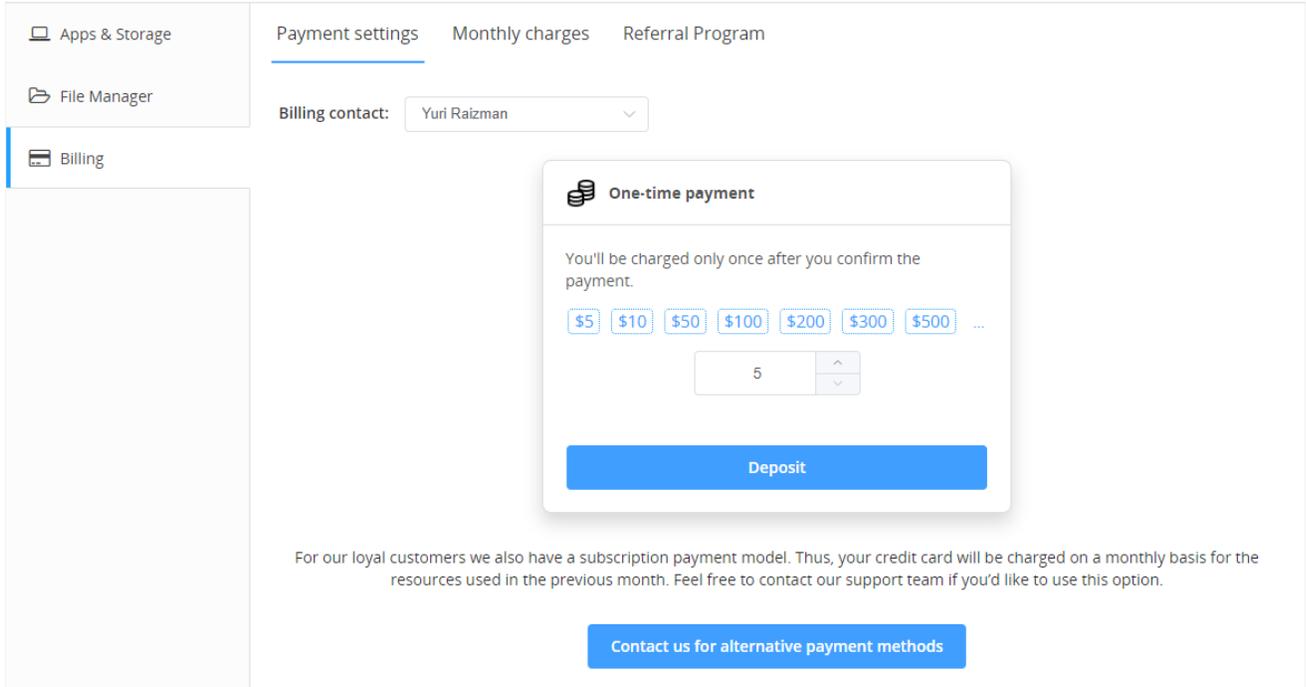
Item	Running			Stopped		
	Hours	Price (\$)	Total (\$)	Hours	Price (\$)	Total (\$)
Storage (25GB)	1	0.108	0.108			
Storage (500GB)	26	0.926	24.064	7	0.185	1.298
FileZilla	1	0.417	0.417			
PhotoScan	4	11.574	46.294	23	0.053	1.209
Subtotal			70.882			2.507

Deposit <i>(invoice)</i>	2020-06-14		150.00
Spent this month		-73.39	
Remaining balance			76.61

The report indicates the monthly amount with which the client will be charged at the beginning of next month, if he works on a subscription model, and all payments (deposits) made during the current month. Each amount in the report is accompanied by an invoice, which the client can download and print.

15. Payment settings

The **Payment settings** page presents a **One-time payment** method of payment.



The screenshot shows the 'Payment settings' page with a sidebar containing 'Apps & Storage', 'File Manager', and 'Billing'. The main content area has tabs for 'Payment settings', 'Monthly charges', and 'Referral Program'. Under 'Payment settings', the 'Billing contact' is 'Yuri Raizman'. A modal titled 'One-time payment' is displayed, stating 'You'll be charged only once after you confirm the payment.' It features a row of buttons for payment amounts: '\$5', '\$10', '\$50', '\$100', '\$200', '\$300', '\$500', and an ellipsis. Below these is a numeric input field with '5' and up/down arrows. A blue 'Deposit' button is at the bottom of the modal. Below the modal, text reads: 'For our loyal customers we also have a subscription payment model. Thus, your credit card will be charged on a monthly basis for the resources used in the previous month. Feel free to contact our support team if you'd like to use this option.' A blue button below this text says 'Contact us for alternative payment methods'.

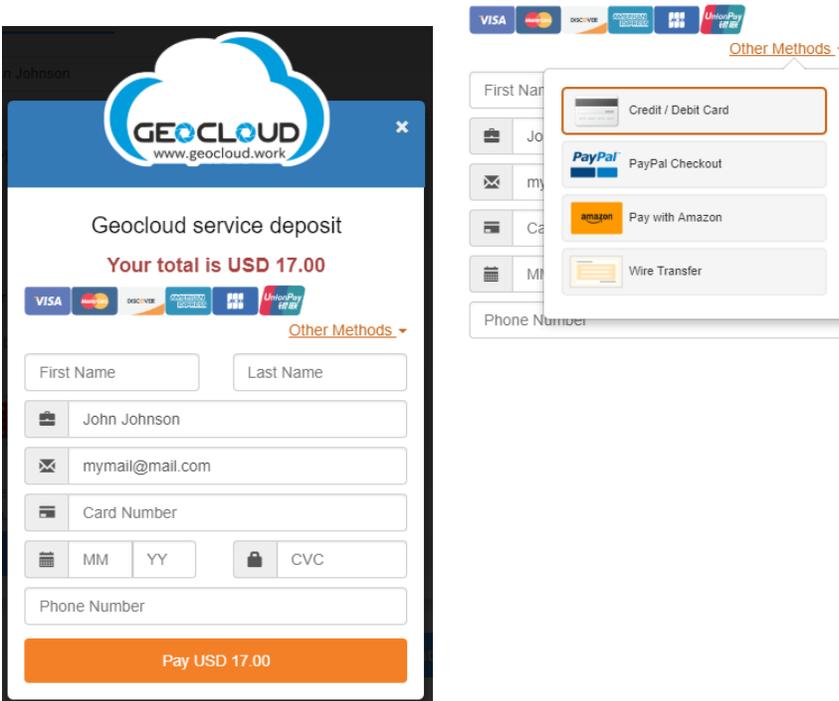
Customer provides his credit card details for a **One-Time Payment (Deposit)**. The amount of payment is determined by the customer. The credit card is debited immediately after clicking the "Deposit" button, and the payment amount is credited to the customer's account. The client can choose any Storage / Application and work with it in the frame of his payment.

For our loyal customers we also suggest a subscription payment model - **Monthly pay-per-use payment**. In this case customer provides his credit card credentials for **continuous use** of the services provided by **Geocloud.work** - use of software, computers, storage, communication means, support etc. In this case customer's credit card will be charged at the beginning of every month for hours used in previous month.

Monthly pay-per-use payment means:

- There is no minimum usage of hours or minimum charge. You pay only for hours you worked.
- You can limit your monthly subscription. You can change it any time.
- You can cancel subscription or change credit card.

Clicking the **Deposit** button brings customer to the page where credit card credentials are entered:



The screenshot shows a payment page titled "Geocloud service deposit" with a total of USD 17.00. It features a form with fields for First Name, Last Name, Card Number, MM, YY, CVC, and Phone Number. A dropdown menu for "Other Methods" is open, showing options: Credit / Debit Card, PayPal Checkout, Pay with Amazon, and Wire Transfer. Payment logos for VISA, MasterCard, Discover, American Express, and UnionPay are visible at the top.

All charging operations are executed by FastSpring (www.fastspring.com) and all the credit card credentials are secured by FastSpring and are never handled by GeoCloud.

16. Monitoring and messages

The GeoCloud Platform continuously monitors the activity of the selected Applications and Storage and e-mails you different messages/alerts. The following is the list of messages you can receive:

	Message	Meaning
1	<p>Thank You for Subscribing! Please feel free to contact us if you have any questions. Regards, Support team Email: support@geocloud.work Web-site: www.geocloud.work</p>	Subscribing to mailing list.
2	<p>Have you forgotten to turn off your computer? It seems like you are not using your GeoCloud computer "Computer Name", but it's still running. If you're not planning to use it for some time, you can turn it off or even remove on Applications Page to keep your money.</p>	Computer is in the working mode (working price) but actually is not working. This message is based on the CPU analyzing.

3	<p>Have you forgotten to STOP your STORAGE? It seems like you are not using your GeoCloud STORAGE, but it's still running. If you're not planning to use it for some time, you can STOP it on Applications Page and keep it at lower price.</p>	<p>Storage is in the working mode (working price) but actually is not working. This message is based on the Storage size check. If the size does not change, we periodically send this message. Disregard this message in the time of downloading your data from Storage.</p>
4	<p>Your GeoCloud storage was removed Your storage was removed on DD/MM/YYYY at HH:MM UTC by You.</p>	<p>You removed your Storage</p>
5	<p>Your account balance is low Dear "Customer name", Your account balance is low and will allow less than two hours of work at your current status. Please refill your account, before the apps and storage will be stopped automatically.</p>	<p>This message will be sent to you if you don't have money on your account enough for 2 hours of work. In this case, if you estimate that your work will take more time, please refill your account. If not, your Storage and Apps will be stopped automatically.</p>
6	<p>You've ran out of money Dear "Customer name", Your GeoCloud balance is negative, all your applications and storage have been stopped and will be removed in 24/12/2 hours on DD/MM/YYY at HH:MM UTC. To avoid this, you can bind a credit card or make a deposit.</p>	<p>Your Storage and Apps will be deleted in 24/12/2 hours. Pay attention! It is not possible to recover data in your storage after deleting the storage.</p>
7	<p>You have less than 10% of your storage space available There are three ways you can clean your storage up: 1. with file manager 2. from your running application 3. or using SFTP access to your storage You can also resize your storage.</p>	<p>Storage space is low. Remove some of your data or resize Storage.</p>
8	<p>Subscription cancelled Your GeoCloud subscription was canceled by "Name" on DD/MM/YYYY at HH:MM UTC</p>	<p>Subscription cancelled.</p>