

# STEPS TO SUCCESS

## VERCATOR YOUR CLOUD LOCKER

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The VERCATOR Cloud is a portal for secure pointcloud storage, with the benefit of additional automated utility tools for processing your point cloud data.

This guide will focus on placing your data into the VERCATOR Cloud 'locker' and performing a Registration project.

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# STEPS TO SUCCESS THE VERCATOR CLOUD

The **VERCATOR** Cloud is a secure online portal for uploading 3D laser scan (point cloud) data. The location can be 'our' cloud or alternatively we can connect your own storage portal location to utilize our services.

We offer a number of utility services in the Cloud to enable advanced, automated processing algorithms.

Our primary tool offers Registration in the Cloud, which facilitates the rapid alignment of scan pairs without compromising quality. Results can easily be cross-checked for precision and fidelity.

The reduction of manual intervention when aligning scans facilitates faster point cloud processing with fewer misalignment errors. Delivering results 40%-80% faster, depending on the number of scans being processed.

This eBook will cover the process of creating projects, uploading data to the cloud and the utilization of the automatic **VERCATOR** Registration utility tool.

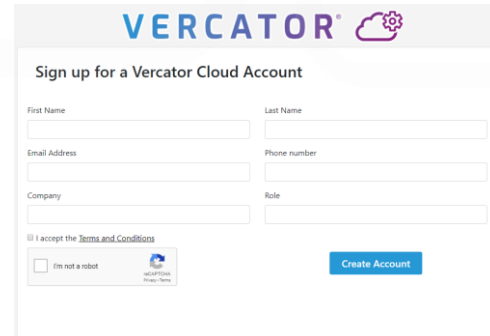
# STEPS TO SUCCESS YOUR VERCATOR CLOUD LOCKER

## 1. CREATE A VERCATOR CLOUD ACCOUNT

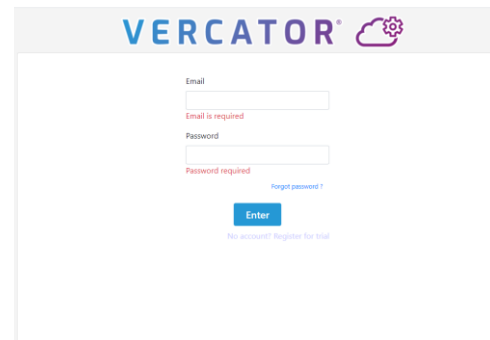
To access the VERCATOR Cloud you will first need to register for an account, simply fill out the '[Start Trial](#)' registration form.

You will be sent an email confirming your account creation, and at this point you will be asked to create a password.

Once you have defined a password you can then login to your new account.



The screenshot shows the Vercator registration form. At the top, the Vercator logo is displayed. Below it, the heading reads "Sign up for a Vercator Cloud Account". The form contains several input fields: "First Name", "Last Name", "Email Address", "Phone number", "Company", and "Role". Below these fields, there is a checkbox for "I accept the Terms and Conditions" and a reCAPTCHA widget with the text "I'm not a robot". A blue "Create Account" button is positioned at the bottom right of the form.



The screenshot shows the Vercator password creation screen. At the top, the Vercator logo is displayed. Below it, there are two input fields: "Email" and "Password". The "Email" field has a red error message "Email is required" below it. The "Password" field has a red error message "Password required" below it. A blue "Enter" button is located at the bottom center. Below the button, there is a link that says "No account? Register for trial".

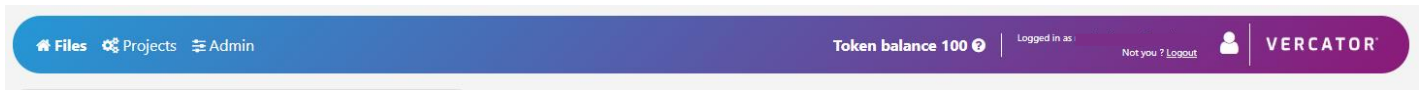


# STEPS TO SUCCESS YOUR VERCATOR CLOUD LOCKER

## 2. LOGIN TO YOU VERCATOR CLOUD

When you first login to the VERCATOR Cloud the default view is the file explorer.

The main dashboard for navigation shows you:



- Your **Files**
- Your **Projects**
- **Admin** properties
- Your **Token Balance**

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## YOUR VERCATOR CLOUD LOCKER

### 3. NAVIGATING THE VERCATOR CLOUD



#### 3.1 FILES

From here you can see your storage location; this can be your allocated VERCATOR Cloud location, or you can connect a Remote Storage location of your choice.

You can also view any scans that have been uploaded to the storage.

The screenshot displays the Vercator Cloud user interface. At the top, a navigation bar includes "Files", "Projects", and "Admin" on the left, and "Token balance 100", "Logged in as Not you? Logout", and the Vercator logo on the right. The main content area is split into two panels. The left panel, titled "Vercator Storage", shows "0.00 GB used" and a folder named "Vercator Test". Below it is a "Remote storage" option. The right panel, titled "Vercator Test", shows "Viewing 0 files" and a toolbar with icons for "Upload", "Add", "Delete", "Refresh", "Move", and "View". The main content area of the right panel displays the message "This folder is empty."

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## YOUR VERCATOR CLOUD LOCKER



### 3.2 PROJECTS

Any defined project can be viewed and accessed here.

You can add new projects through here also.

The screenshot displays the Vercator Cloud Locker interface. At the top, a navigation bar includes "Files", "Projects", and "Admin" on the left, and "Token balance 100", "Logged in as", "Not you? Logout", and the Vercator logo on the right. Below the navigation bar, the "Projects" section is visible, featuring a "+ Add project" button. A table with the following headers is shown: "#", "Name", "Created", "Scans", and "Last Accessed".

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## YOUR VERCATOR CLOUD LOCKER

### Admin

### 3.3 ADMIN

Admin parameters can be amended here; you can assign additional users to the account, as well as editing names / emails / telephone numbers.

Any remote storage that you have connected your VERCATOR Cloud to can be amended here.

The screenshot displays the Vercator Admin interface. At the top, there is a navigation bar with 'Files', 'Projects', and 'Admin' (selected). The user is logged in as 'Vercator' with a token balance of 100. The main content area is divided into three sections:

- Admin**: Shows the current user 'Vercator Test' and a '+ Add User' button.
- Users**: A table listing users with columns for First Name, Last Name, Email, Phone Number, and Admin status. A 'Reset Password' link is visible for the user Charlie Cropp.
- Remote Storage**: A table with columns for Name, Type, Path, and Key, and a '+ Add storage' button.
- Api keys**: A table with columns for ID, Generated, and Valid until, and a '+ Generate key' button.

First Name	Last Name	Email	Phone Number	Admin	
Charlie	Cropp	xxxx@gmail.com	0XXXXX	✓	<a href="#">Reset Password</a>

Name	Type	Path	Key
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ID	Generated	Valid until
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## YOUR VERCATOR CLOUD LOCKER

### 4. UPLOADING YOUR DATA

We developed the cloud registration service with the primary aim of creating a solution for aligning terrestrial data. That being said we do have good successes with mobile/SLAM data, provided certain criteria is met.

Data formats accepted:

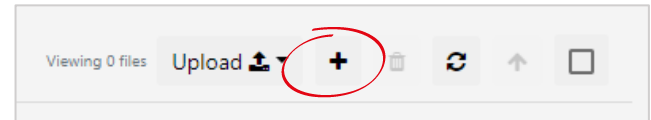
PTS . PTX . E57 . Faro FLS . Z+F ZFS . Riegl RDBX

#### 4.1. CREATE A PROJECT FOLDER

General housekeeping will ensure your data is organized and easily accessible.

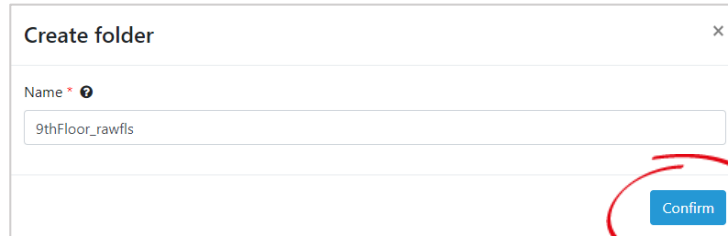
Creating project folders prior to uploading data will enable you to locate the data for that specific project.

Using the '+' icon, highlighted below, we can create a new folder.



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Define your folder name within the 'Create Folder' dialogue box, select confirm to accept the name and create the folder.



Create folder

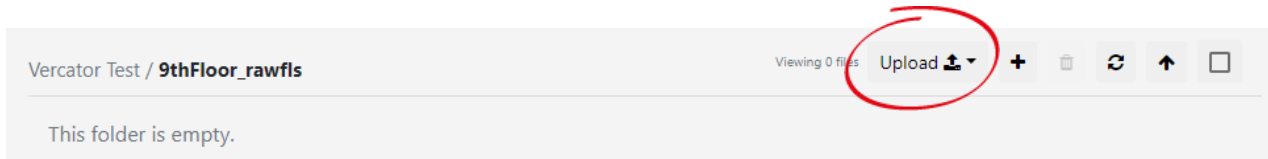
Name \*

9thFloor\_rawfls

Confirm

## 4.2 UPLOAD DATA

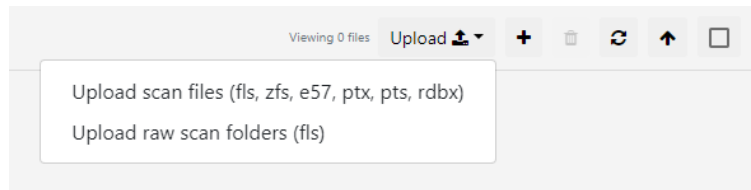
Once your folder is set you can, select it to enable you to successfully locate your uploaded data into it.





# STEPS TO SUCCESS YOUR VERCATOR CLOUD LOCKER

Selecting the 'upload' option, provides two options for data; either the scan files themselves, or for Faro fls data you can select the scan folder containing the fls data.



Use the file explorer window to browse to the location of your data to upload, multiselect the files you need, select 'Open' to complete this step.



# STEPS TO SUCCESS YOUR VERCATOR CLOUD LOCKER

Once you are happy with your file selection, select 'Confirm' to start the upload process.

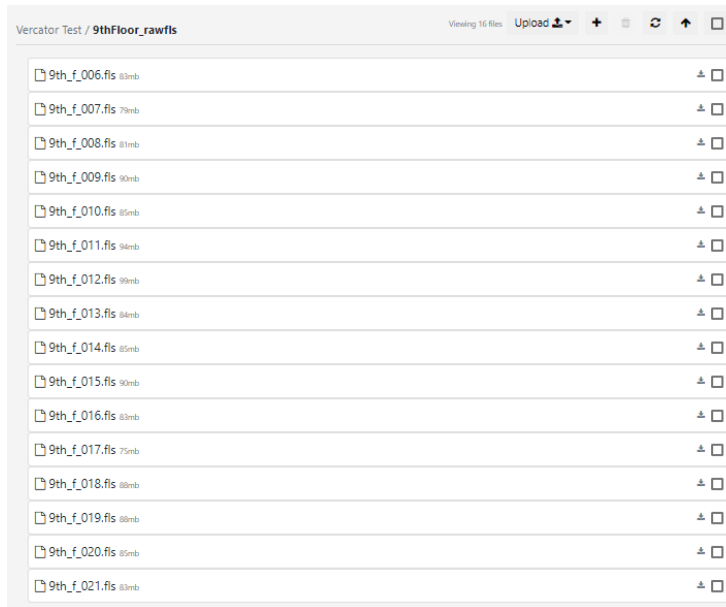
### Uploading files

- Uploading file 9th\_f\_006.flv [Pending...]
- Uploading file 9th\_f\_007.flv [Pending...]
- Uploading file 9th\_f\_008.flv [Pending...]
- Uploading file 9th\_f\_009.flv [Pending...]
- Uploading file 9th\_f\_010.flv [Pending...]
- Uploading file 9th\_f\_011.flv [Pending...]
- Uploading file 9th\_f\_012.flv [Pending...]
- Uploading file 9th\_f\_013.flv [Pending...]
- Uploading file 9th\_f\_014.flv [Pending...]

**Confirm**

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Once the upload is complete you will see located in the folder your set of uploaded scans.

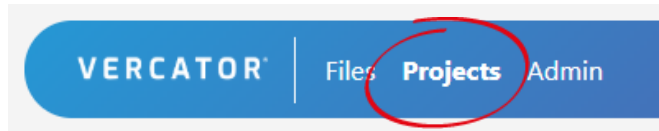


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## 5. CREATE A REGISTRATION PROJECT

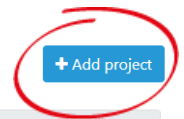
To start a registration you first need to create the registration project.

From the top navigation select 'Projects'



Any project you have created will be listed in the Project manager. Use the  icon to create a registration project.

Projects



#	Name	Created	Scans	Last Accessed ▾
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# STEPS TO SUCCESS YOUR VERCATOR CLOUD LOCKER

Define your project name, e.g. 9thFloor, use the

Next: Add Scans »

'Next: Add Scans' to add the required scans to the registration

The screenshot displays a multi-step registration process. At the top, a progress bar shows seven steps: Start (checked), Scans (unchecked), Network (unchecked), Settings (unchecked), Coarse Result (unchecked), Fine Result (unchecked), and Export (unchecked). Below the progress bar, the 'Project Details' section contains two input fields: 'Name \*' with a help icon and a red asterisk, containing the text '9thFloor', and 'Description' with a help icon, containing the text 'Project Description'. At the bottom center of the form, a blue button labeled 'Next: Add Scans »' is circled in red.