



3D Simulator Visualizer Platform Administrator Manual

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Introduction

3D Simulator Visualizer Platform is a user-friendly web-based software simulator. This tool would be a right solution for a customer to select the correct camera for his specific needs. With this simulator, a client can simulate the camera video surveillance system and can effectively choose the camera/s he wants.

About this Guide

This guide provides instructions for using the administrator module of 3D Simulator Visualizer Platform.

URL

3D Simulator Visualizer Platform can be accessed online at <http://tvm2.pivotsys.com/UAThitachi>

Login form

The screenshot shows a login interface with a dark blue header containing a lock icon and the word "Login". Below the header are two input fields: "Your Email" with an envelope icon and "Your password" with a lock icon. A "SIGN IN" button is positioned below the password field, and a "Forgot password" link is to its right. At the bottom, there is a checkbox labeled "Check to accept the Terms & Conditions".

The user must accept the terms and conditions to proceed further.

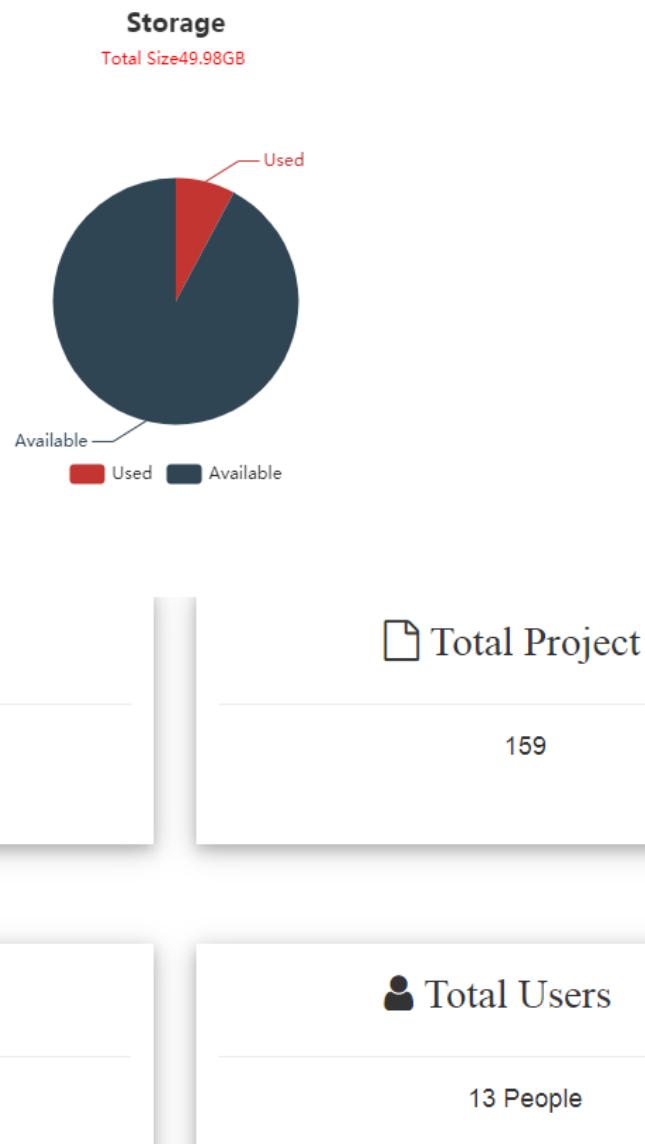
Logging in with administrator credentials will direct to the admin module.

Admin Module

There is a separate section for administration. The admin can view the total storage utilization on server, total number of projects and total number of users.

Logging in with an administrator directs to the **Dashboard** section by default.

Dashboard



The **Dashboard** tab shows total storage utilization on server, total number of projects and total number of users and total cameras.

Admin Profile

The admin can manage his/her profile using the **Admin Profile Tab**.

The screenshot shows the Admin Profile page of the 3D Simulator Visualizer Platform. On the left, there is a sidebar with various navigation options: DashBoard, Admin Profile (which is selected and highlighted in teal), Add Camera, Add 3D LiDAR, Add Smart Sensor, Manage Camera/Sensor, User List, Matterport, Create Trial Account, and Logout. The main content area features a large portrait of a man with a beard, labeled "Admin 22". To the right of the portrait is a table displaying personal details:

First name	Admin
Last Name	22
Email	3dezmonitoring@gmail.com
Log Email	premkumarp@pivotsys.com
Phone	8547166032

Below the table are two buttons: "Edit" and "Change Password". At the bottom of the main content area, it says "Welcome Admin !!".

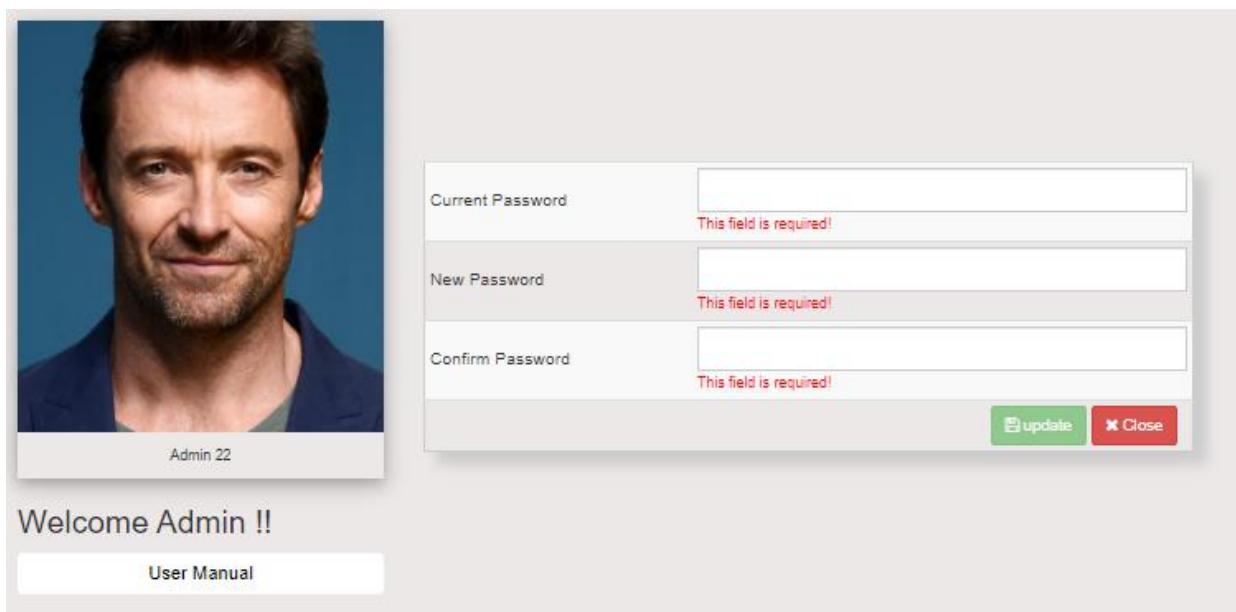
The admin can edit his/her personal details as well change email and password in this tab.

This screenshot shows the Admin Profile edit page. It has a similar layout to the previous one, with the sidebar and the "Edit" button visible. The main content area includes a portrait of the same man, labeled "Admin 22". Below the portrait is a form for editing personal details:

First name	Admin
Last Name	22
Log Email	[Empty input field]
Phone	[Input field with red asterisk]

At the bottom right of the form are "Save" and "Close" buttons.

The admin can view the Admin manual by clicking on the **User Manual** button.



The **Log Email** specifies the mail address of the person who handles the activity logs of users on a daily basis. The Log email can be edited.

Add Camera

The **Add Camera** tab allows the admin to add any camera which will be available to all the users.

A screenshot of the "Add Camera" page. On the left is a sidebar menu with various options: DashBoard, Admin Profile, Add Camera (which is highlighted in teal), Add 3D LiDAR, Add Smart Sensor, Manage Camera/Sensor, User List, Matterport, Create Trial Account, and Logout. The main content area is titled "ADD NEW CAMERA". It contains two buttons: "Add Camera Spec" and "Add Details from File". Below these is a section titled "PLEASE SELECT THE EXCEL FILE" with a file input field showing "Choose File No file chosen", a "Reset" button, and a "Submit" button.

Admin can add custom cameras in two ways:

1. Add Camera Spec – The admin can enter various details of the camera manually.

PLEASE ADD THE DETAILS OF CAMERA

Brand Name *	Model Name *	Max Horizontal AOV *	Min Horizontal AOV
Resolution Width *	Resolution Height *	Lens Type	Camera Type *
Default FOV	Optical Zoom *	Digital Zoom *	
Bottom	Eg: 2x	Eg: 4x	
Max V-AOV	Min V-AOV		

2. Add Details from File: The admin can upload a file which contain details of the camera.

PLEASE SELECT THE EXCEL FILE

No file chosen

Add 3D LiDAR

The **Add 3D LiDAR** tab allows the admin to add 3D LiDAR sensor which will be available to all the users.

The screenshot shows the Admin interface with the 'Add 3D LiDAR' tab selected. The left sidebar has a teal background with white icons and text for DashBoard, Admin Profile, Add Camera, Add 3D LiDAR, Add Smart Sensor, Manage Camera/Sensor, User List, Matterport, Create Trial Account, and Logout. The main right panel has a light gray background with a title 'ADD NEW SENSOR'. It contains a sub-section 'Add Sensor Spec.' with the heading 'PLEASE ADD THE DETAILS OF SENSOR'. The form includes fields for Brand Name, Model Name, Max Horizontal AOV, Min Horizontal AOV, Resolution Width, Resolution Height, Lens Type, Optical Zoom, Digital Zoom, Default FOV, and SensorCategory. Below the form is a placeholder image of a LiDAR sensor with a 'Change Image' button underneath it. At the bottom right of the panel is a green 'Submit' button.

Add Smart Sensor

The **Add Smart Sensor** tab allows the admin to add smart sensor which will be available to all the users.

Admin

- Dashboard
- Admin Profile
- Add Camera
- Add 3D LiDAR
- Add Smart Sensor
- Manage Camera/Sensor
- User List
- Matterport
- Create Trial Account
- Logout

ADD NEW SMART SENSOR

[Add Smart Sensor Spec](#) [Add Smart Sensor Category](#)

PLEASE ADD THE DETAILS OF SMART SENSOR

Brand Name *	Model Name *	Radius	Height
<input type="text"/>	<input type="text"/>	1-100	1-50
Category *	Application Type *	Connection Type	Angle
Building	Access Control	Wired	0-360
Wifi <input type="checkbox"/>	Bluetooth <input type="checkbox"/>	P2P <input type="checkbox"/>	ZigBee <input type="checkbox"/>

Change Image

Submit

Admin can add the details of the smart sensor to create a new sensor. The admin can also add a new smart sensor Category/Application by clicking in **Add Smart Sensor Category**.

ADD THE SMART SENSOR Category/ Application Type

Category * **Application Type ***

Building	Access Control
----------	----------------

Submit

Manage Camera/Sensor

The **Manage Camera/ Sensor** tab allows the admin to manage all the cameras, sensors and smart sensors added by the admin as well as the users.

The admin can view or edit or remove cameras listed under **Admin Camera** tab.

Admin Camera						
Brand	Model	Max Horizontal AOV	Type			
ACTi	A23	92.9	Box	Edit Camera	View Camera	X
Digital Watchdog	DWC-MTT4W36	72	Dome	Edit Camera	View Camera	X
Digital Watchdog	DWC-PVF5M1TIR	179	Fisheye	Edit Camera	View Camera	X
Digital Watchdog	DWC-PTZ20X	55.5	Dome	Edit Camera	View Camera	X
Samsung	SNP-3370TH	55.5	PTZ	Edit Camera	View Camera	X
Samsung	SNF-8010	179	Fisheye	Edit Camera	View Camera	X
Samsung	QNV-7010R	111	Dome	Edit Camera	View Camera	X
HikVision	DS-2CD2132F-I-2.8MM	98.5	Dome	Edit Camera	View Camera	X
Pelco	Sarix IBE329-1I	100	Bullet	Edit Camera	View Camera	X
Pelco	Sarix IXP51	94	Box	Edit Camera	View Camera	X
Panasonic	WV-S1511LN	112	Bullet	Edit Camera	View Camera	X
Panasonic	WV-X6511LN	65	PTZ	Edit Camera	View Camera	X
Pelco	Sarix-IJP211-1IS	117	Dome	Edit Camera	View Camera	X
illustra (Tyco)	IPS02CFOCWST	102	Dome	Edit Camera	View Camera	X
Cisco Meraki	MV12N	73	Dome	Edit Camera	View Camera	X

The admin can view or edit or remove sensors listed under **Admin 3D LiDAR Sensor** tab.

Admin 3D LiDAR Sensor						
Brand	Model	Max Horizontal AOV	Type			
HLDS	HLS-LFOM5	60	3D LiDAR	EditSensor	ViewSensor	X
HLDS	HLS-LFOM1	80	3D LiDAR	EditSensor	ViewSensor	X
Intel	RealSense L515	73	3D LiDAR	EditSensor	ViewSensor	X

Similarly, the admin can view or edit or remove smart sensors listed under **Admin Smart Sensor** tab.

The admin can only view the cameras listed under the **Other Cameras** tab which are created by the users. The admin can edit them once they are added to the **Admin Camera** list by clicking **Add to Admin** button.

Admin Camera	Admin 3D LiDAR Sensor	Admin Smart Sensors	Other Cameras	Other 3D LiDAR Sensor	Other Smart Sensors
Test	Kadu		Fisheye	View Camera	Add To Admin
Test	Katz		Panorama	View Camera	Add To Admin
k	K		Fisheye	View Camera	Add To Admin
Pivot	Fisheye		Fisheye	View Camera	Add To Admin
YT	YT		Box	View Camera	Add To Admin
Pivot	Top Camera		Box	View Camera	Add To Admin
Pivot	Bottom Camera		Box	View Camera	Add To Admin
Pivot	Left Camera		Box	View Camera	Add To Admin
Pivot	Right camera		Box	View Camera	Add To Admin
Pivot	Front Camera		Box	View Camera	Add To Admin
Pivot	Back Camera		Box	View Camera	Add To Admin
qqq	qq	60	Box	View Camera	Add To Admin
qq	qw	60	Dome	View Camera	Add To Admin
Hitachi	Praveen		Box	View Camera	Add To Admin
panorema	pan		Panorama	View Camera	Add To Admin

The admin can only view the sensors listed under the **Other 3D LiDAR Sensor** tab which are created by the users. The admin can edit them once they are added to the **Admin Sensor** list by clicking **Add to Admin** button.

Admin Camera	Admin 3D LiDAR Sensor	Admin Smart Sensors	Other Cameras	Other 3D LiDAR Sensor	Other Smart Sensors
Sensor	test	50	3D LiDAR	ViewSensor	Add To Admin
Test	Test_Factory	50	3D LiDAR	ViewSensor	Add To Admin
Hitachi	sensor	50	3D LiDAR	ViewSensor	Add To Admin
new sensor	sad	50	3D LiDAR	ViewSensor	Add To Admin
ssss	ssss	50	3D LiDAR	ViewSensor	Add To Admin
sen	asdf	50	3D LiDAR	ViewSensor	Add To Admin
dsaaaaadddd	dddd	50	3D LiDAR	ViewSensor	Add To Admin
samsung	s10	50	3D LiDAR	ViewSensor	Add To Admin
Hitarchi	sbesorlidar	180	3D LiDAR	ViewSensor	Add To Admin
Samasung	sa10	50	3D LiDAR	ViewSensor	Add To Admin
pixel	3a	50	3D LiDAR	ViewSensor	Add To Admin
xiaomi	mi10	50	3D LiDAR	ViewSensor	Add To Admin
Xiaomi	Mi 10	50	3D LiDAR	ViewSensor	Add To Admin
sen	new	50	3D LiDAR	ViewSensor	Add To Admin
sen	sensor	50	3D LiDAR	ViewSensor	Add To Admin

The admin can only view the smart sensors listed under the **Other Smart Sensor** tab which are created by the users. The admin can edit them once they are added to the **Admin Smart Sensor** list by clicking **Add to Admin** button.

User List

The **User List** enlists all the users.

			Log Filter	Export Logs	User Info	Send Logs	
Hitachi Employee	hitachi.employee@hitachi.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>
Hiroshi Murakawa	hiroshi.murakawa@hal.hitachi.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>
Hitachi America	hal-dsd@hitachi.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>
Admin 22	3dezmonitoring@gmail.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>
Welcome Trial User	elior@hitachi.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>
Peeyush K	peeyushk@pivotsys.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>
nimil george	nimilg@pivotsys.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>
Pivot Test	pivotest@gmail.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>
Pivot Systems	pivotsys@gmail.com	Today	<input type="button" value="▼"/>	<input type="button" value="Export Logs"/>	<input type="button" value="User Info"/>	<input type="radio"/>	<input type="button" value="X"/>

The admin can view the details of the users and can remove any user if necessary. The admin can also set privileges for accessing some features (eg: API Access, Matterport Access)

Account Statistics

Utilization Info

Total Active Projects : 2
Total Used Storage Space : 6065.53MB

Category	Value
Used	Red Segment
Available	Dark Blue Segment

User Details

Name	Hitachi America
Email	hal-dsd@hitachi.com
Phone	4159188628
Number of Project	32
Number of user added camera	11
Enable Api	<button>Disable</button>
Enable Matterport Access	<button>Disable</button>

Close

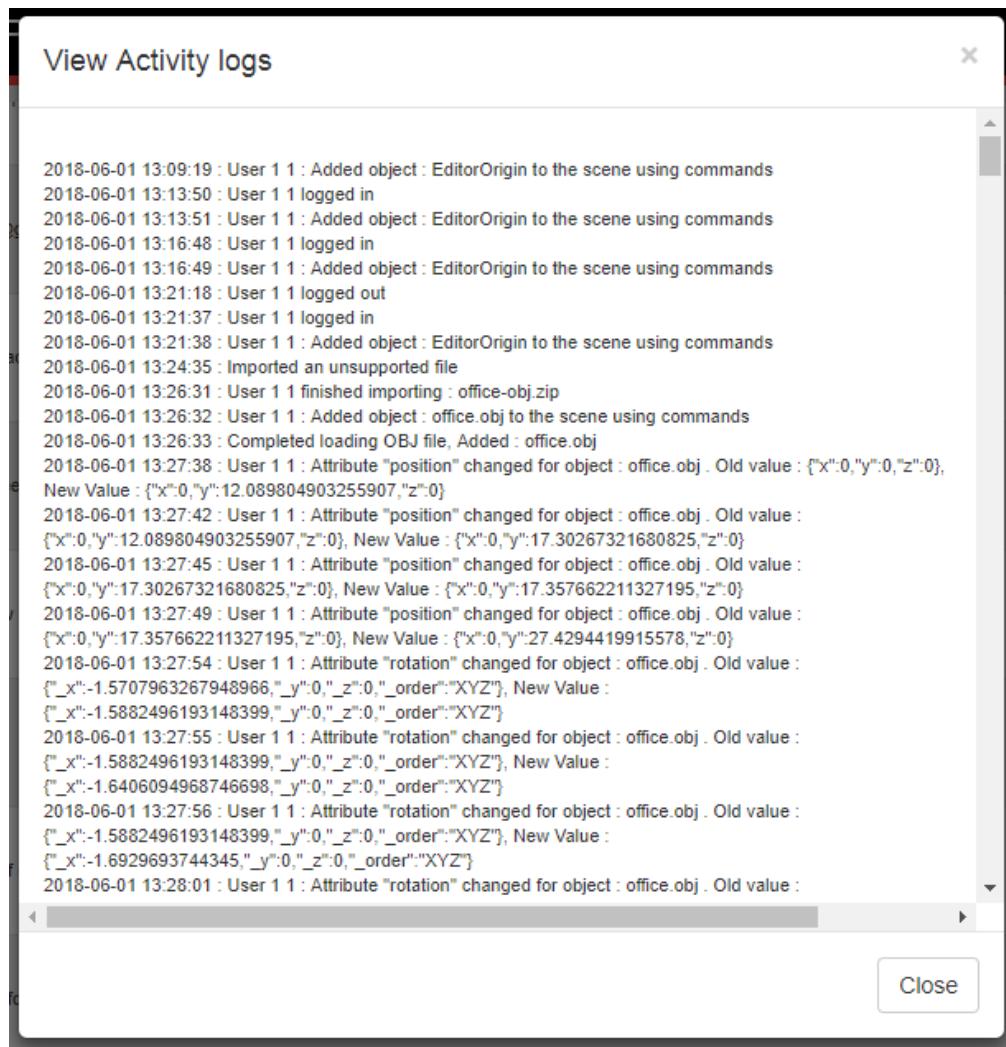
The details include User's Name, E-mail, Phone number, Number of projects, number of cameras added by the user and Utilization Info. Total active projects is the total number of Matterport projects added by the user.

The admin can identify the activities carried out by each user by clicking on **Export Logs** tab. The user can set the time period for which the activity logs are required.

And then, it can be viewed, downloaded or can be sent to a preferred E-mail account.

Turning the **Send Logs** toggle button on enables the user to send his/her activity log to the user. This is done as follows: For the users whose Send Logs button is turned on, an email will be sent to the Log Email of the

admin along with an attached password protected ZIP file, which includes the activity logs of the users. The password to open the ZIP file will be mentioned in the e-mail. The email will be sent daily at 1 AM.



Matterport

The **Matterport** tab allows the admin to track all the Matterport API. On tapping **Matterport URLs** button the admin can view the details of available Matterport models in a table with following details,

1. Published Project URLs
2. API Retrieval Date and Time
3. Project Creation Date and time
4. Assigned Token

5. Project Acceptance Date and Time
6. Recipient End User ID
7. Access

Published URLs can be accessed by using the assigned token thereby user can view the virtual tour of the 3D model. User can access only three times a published URL. **Project Acceptance Date/Time** is the date and time and **Recipient End-user ID** is the email ID of the 1st user who accessed published URL. These two fields will be empty if no user access the published URL. By using **Re-Accept** button, access count will reset and another three times user can access the same published URL.

The screenshot shows the Matterport API Tracker interface. On the left is a sidebar with various admin-related tabs: Dashboard, Admin Profile, Add Camera, Add 3D LiDAR, Add Smart Sensor, Manage Camera/Sensor, User List, Matterport, Create Trial Account, and Logout. The main area is titled "Matterport API Tracker" and displays the following information:

- Total Active Projects: 12
- Total Retrieved Project via API: 12
- Used Public API Token: 0

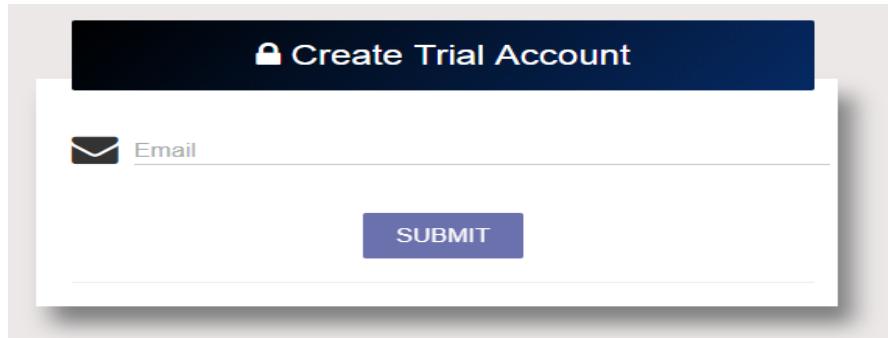
Serial No	Published Project URLs	API Retrieval Date/Time	Project Creation Date/Time	Assigned Token	Project Acceptance Date/Time	Recipient End-user ID	Access
1	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/56vwAo8y6PD	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	F4P	2020-04-29T16:03:53.657Z	pivotsys@gmail.com	<button>Re-Accept</button>
2	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/3G1F2LmqAMW	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	EwT	2020-04-30T02:59:35.652Z	hal-dsd@hitachi.com	<button>Re-Accept</button>
3	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/fwmBjzftwV3	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	Hn9	2020-04-30T20:46:43.903Z	hal-dsd@hitachi.com	<button>Re-Accept</button>
4	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/zo4TxawVXoH	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	TxgL	2020-04-30T07:44:15.098Z	pivotsys@gmail.com	<button>Re-Accept</button>
5	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/4dGUshTEWSc	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	Gnzv	2020-05-08T10:41:48.084Z	pivotsys@gmail.com	<button>Re-Accept</button>
6	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/4WssQSHyKw3	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	poxP	2020-05-08T11:11:25.028Z	pivotsys@gmail.com	<button>Re-Accept</button>
7	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/4sxVY5kNWR	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	VcL4	2020-04-30T05:39:00.319Z	3dezmonitoring@gmail.com	<button>Re-Accept</button>
8	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/4TSwYVnaRik	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	CdeJ	2020-05-08T11:14:12.689Z	pivotsys@gmail.com	<button>Re-Accept</button>
9	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/JxPw3Lafid2	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	Tjb0			<button>Re-Accept</button>
10	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/TbxteUcvNGy	2020-04-27T13:08:47.653Z	2020-05-05T00:37:03.673Z	Y5Dh			<button>Re-Accept</button>
11	http://tvm2.pivot.sys.com/UAThitachi/#/matterport/WgNJUgBBf9P	2020-04-29T16:01:31.812Z	2020-04-29T16:07:31.812Z	VqGK			<button>Re-Accept</button>

Create Trial Account

A user account can be created in 2 ways:

1. By admin.
2. By simple email communication.

An admin can create a trial account by clicking on the '**Create trial account**' tab. This prompts the admin to enter the email address of the user for which an account is created.



After entering the email address and clicking on the submit button, an email will be sent to the admin which looks as follows:

Hi Admin ,
A new trial account is created. Details of this account are given below:
1. User Email Account: qafinaltestpivot@pivotsys.com
2. Account Type: Trial
3. Account Action: Active
4. Effective Date : Fri Aug 17 2018
5. New Password : [Link](#)
Yours
3DEZ 3D Simulator Team

The admin then forwards this mail to the user who requested the account. The user then on clicking the link specified at New Password, it redirects to a page where the user can set a password for his/her account.

By using this password, the trial account will be activated for the user.

Trial account can also be created by simple request-acknowledgement email communication. If an admin wants to create an account, he/she sent an email which is of the following template:

Request message

From: 3D.Solution.Admin@hal.hitachi.com

To: TBD Admin email (hvdhitachi@gmail.com)

Subject: [Effective Date],[User Email Account], [Account Type] ,[Account Action]

Email body message: [Sequence No.]

For a request of the above message, automatically an account will be created and the account details will be sent back to the admin as follows:

Acknowledgement message:

From: TBD Admin email (hvdhitachi@gmail.com)

To: 3D.Solution.Admin@hal.hitachi.com

Subject: [Effective Date] [User Email Account] [Account Type] [Account Action]

Email message: [Sequence No.] Confirmed.

An example of an acknowledgement email is given below:

Hi Admin ,

A new trial account is created. Details of this account are given below:

1. User Email Account: kadu1@hitachi.com

2. Account Type: Trial

3. Account Action: Activate

4. Effective Date : Thu Aug 16 2018

5. New Password : [Link](#)

6. Sequence No : TX00000 - Confirmed

Yours

3DEZ 3D Simulator Team

This acknowledgement email will be forwarded to the user. The user can then create a password for the account by clicking on the ‘Link’ specified in that mail. By doing this an account can be activated.

[Logout](#)

The admin can close the current session by clicking on the **Logout** tab.

Email to SSGsales@hal.hitachi.com for further inquiries and support.