



Asset Revamping version 1.1.1.19

Release Notes v1.1.1.19
November 29, 2019

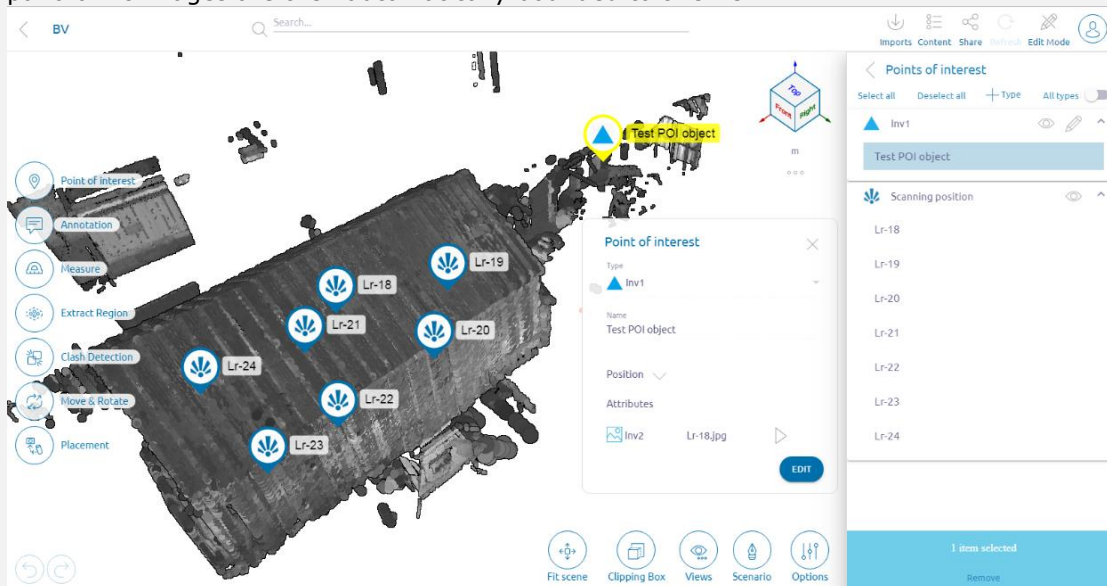


Overview

This version concentrates on the Point of Interest (POI) feature, collaborative mode optimization, User Interface (UI) improvements and other bug fixes.

New Features and improvements in Asset Revamping

- A default POI type "Scanning Position" exists in ASRV. It is used to map scanning positions found in point cloud (PC) files automatically during import of PC files.
- In the case a set of 360° images having the same name of the PC files are imported, these panoramic images are then automatically bounded to this POI



Moreover, this type of POI also offers by default a first person navigation mode in the point cloud at its scanning position.

- Clipping box ergonomic adjustments
 - The result is always visible now and displayed normally during the clipping box definition:
 - When the mouse is moved to a box side, the "detected side" is highlighted in blue color.
 - When the user moves a box side, only the wire of the box is displayed (i.e. without a transparent face).
 - Everything that is not part of the result remains visible but very lightly. A higher transparency ratio helps solve the problem of overlapping several data layers.
 - The wire of the box is now always displayed and the user can see the selection in real-time.
- Collaborative mode optimization:
 - Now the project page is reloaded only when entering the R/W mode and the project content is changed.
 - Project modification is now possible at the file upload stage.
 - Synchronization of project data between several users working at the same time on one project (measures, annotations, regions, etc.) is now made in real-time.



- "Blank screen" display time during model refresh when switching to "Edit" mode is reduced.
- UI improvements
 - "Load the whole model" button is moved to the top toolbar buttons and is visible only when opening a project containing large data sets of CAD models.
 - "Share" and "Edit mode" buttons are redesigned and available in the top toolbar. The "Edit Mode" button is a toggle button to switch between read-write/read-only modes. By default, a project is now opened in read-only mode.
 - A new "Refresh" button has been added to reload the project data.



- The 'Undo/Redo stack is cleared' message does no longer appear during the model loading process.
- All password edit fields on the edit password form have the option to view the content. It is an eye button next to the field.

Change password

Old password
TestPassword

New password

Repeat new password

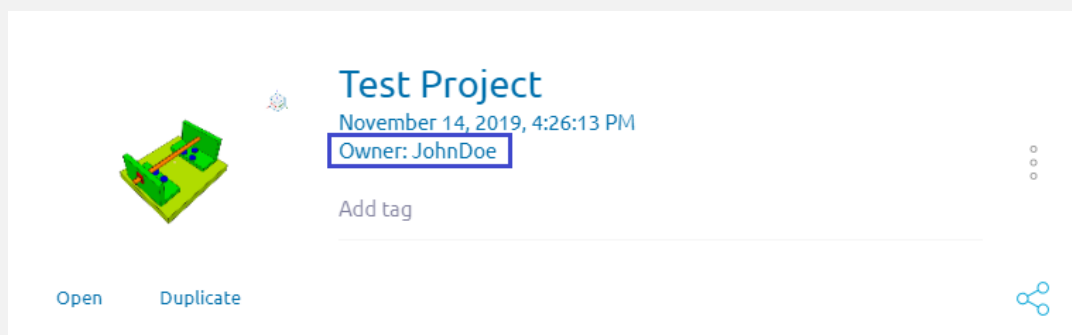
Passwords must meet or exceed the following criteria:

- A minimum of 8 characters long
- Contains at least:
 - 1 number
 - 1 special character/symbol (!@#\$%^&*)
 - 1 lowercase letter
 - 1 uppercase letter
- Password must be unique and cannot be re-used
- The entered values for new passwords must match each other

CHANGE

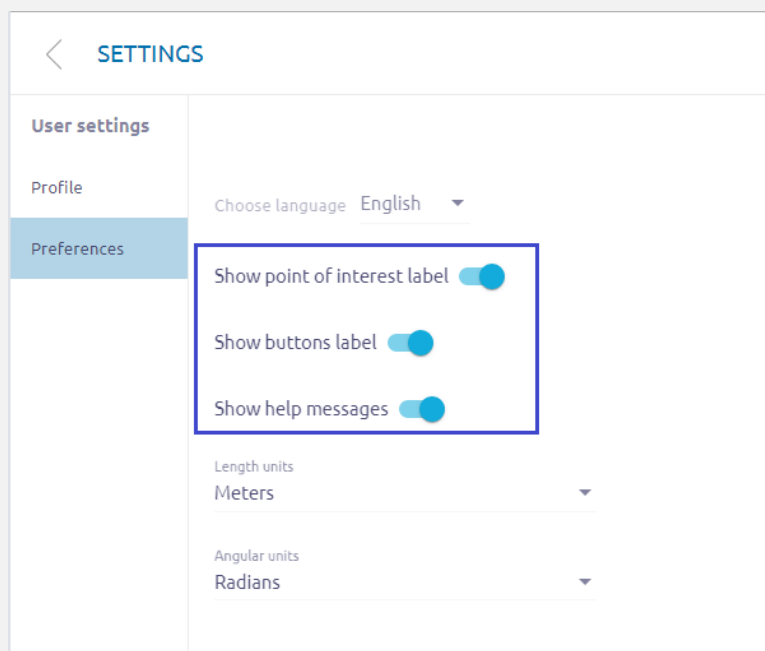
Moreover, the visual design of the change/enter password form has been changed to make the password validation criteria visible and more understandable for the user.

- The project owner is now displayed under the project creation date in the project list. It has been introduced to avoid uncertainty when sharing projects.

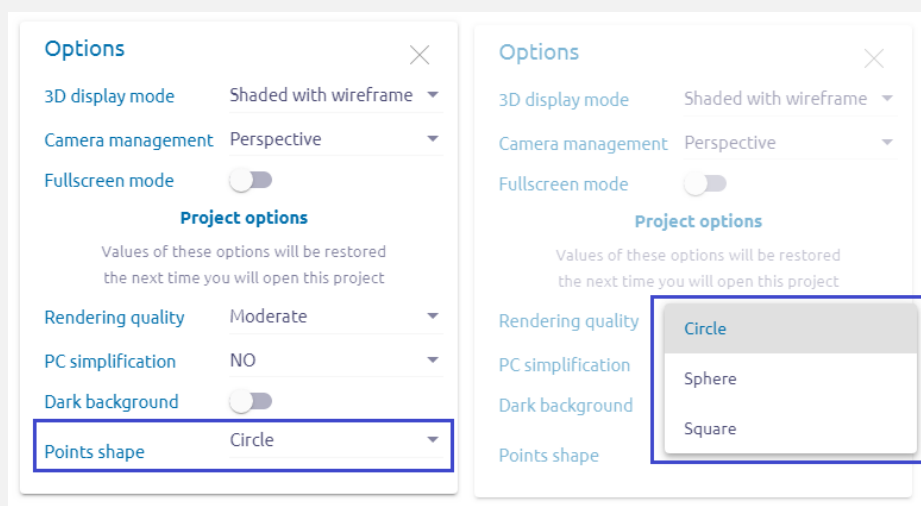




- User settings are extended with show/hide options for POI labels, Command button labels and Help messages. The ability to hide this information will allow the user to have more space to work in the 3D view.



- The “Points shape” option has been introduced in the user menu. It is used to define the shape for points in the 3D view. This is a combo box with three items: circle, sphere and square. The circle is the default option. The choice is persistent per project and per user.



- The same ability to switch between circle and square point cloud shape has been added into the Virtual Reality (VR) mode.



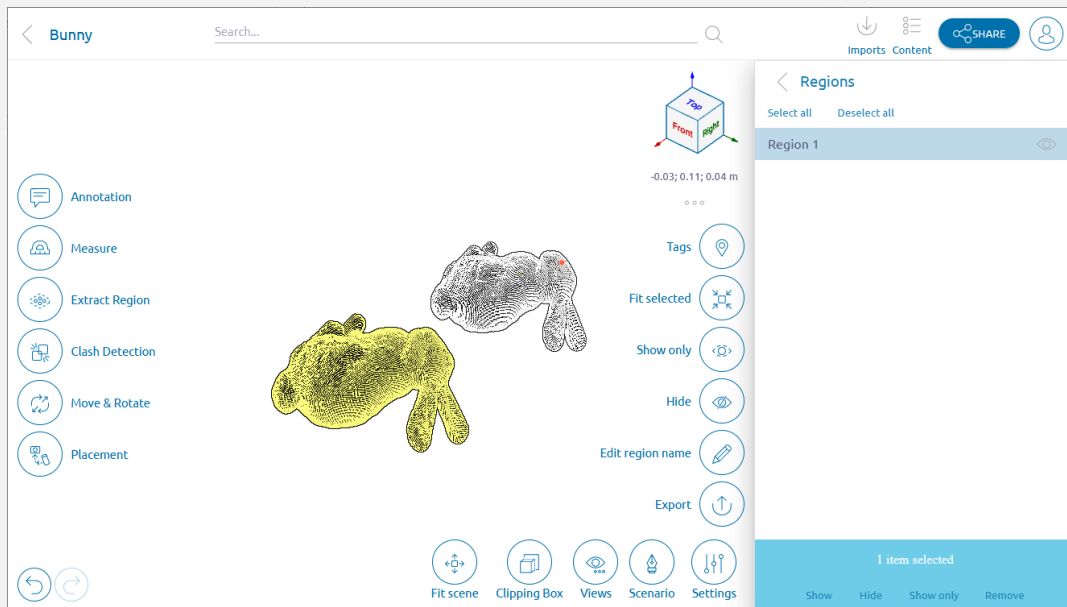
- Collaborative mode has been developed and implemented.
 - Basic use cases of View only and Edit modes have been specified.
 - Asynchronous notifications have been introduced. This mechanism should provide the client with information about events that are important to the user such as project lock for modification by another user, the project becomes available to modification, the project needs to be updated, etc.
 - Undo/Redo functionality has been revised from the perspective of collaborative mode.
 - Lock icon and message have been added on the project list page. They indicate that a project is in collaborative mode.
- Viewer improvements
 - Poor Level of Detail control while zooming in has been fixed. Rendering quality does not decrease after the scene is loaded.
 - The transparency of the windows has been improved. The view from the outside is the same as inside the building. Objects, which are located inside the building, are correctly displayed through the windows without any missing details (such as the floor, the ceiling or the wall).



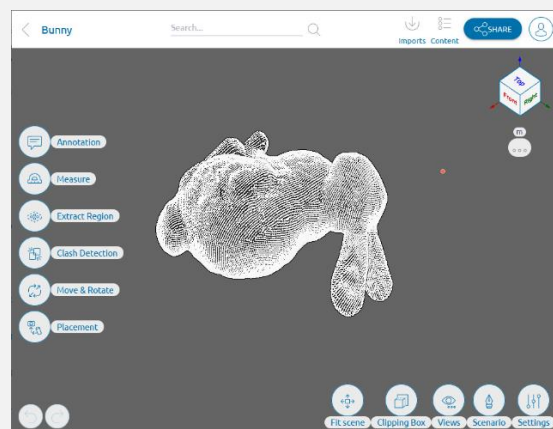
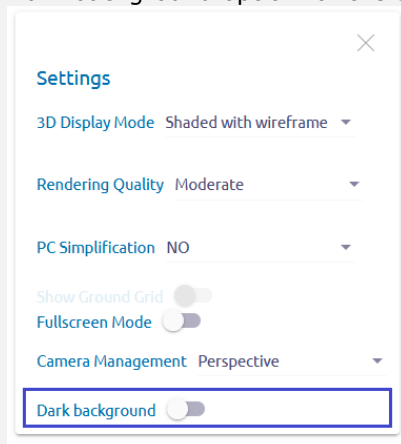
- Viewer doesn't crash anymore if the "Load whole model" button isn't pressed.
- Creation of an empty annotation is no more possible.
- 3D model viewer performance improvements. Model data is now transferred to the viewer faster, improving user experience



- Now it is possible to extract a point cloud region with the ability to create a copy of the extracted data. Extraction of a region "with copy" provides the user with an option to perform a region extraction without modifying the original point cloud. The result is a new "Region" with the original point cloud unchanged.



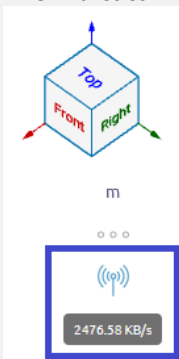
- Dark background option for the 3D model viewer has been introduced.



- Product logo image and icon have been replaced with new ones reflecting the rebranding of OPEN CASCADE.



- Network speed indicator for download has been introduced in Asset Revamping user interface. The indicator is located under the "... " button. It's displayed while the progress bar is visible.

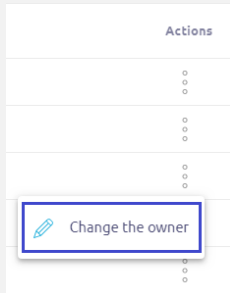


- Linux support. Backend of Asset Revamping can now run on Ubuntu 16.04 LTS.
- User interface translation into the English language has been improved.
- LOD management while zooming in on PC has been improved.
- Administrator is not able to change user properties (permission level, e-mail) or delete it while it is logged in.
- Regions renaming has been added.
- Projects representation as a table for admin user has been implemented.

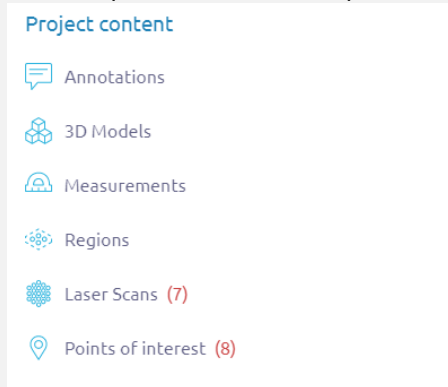
SETTINGS				
Admin settings	ID	Project name	Owner	Actions
Users	73541621	Ferry	inv1(igor.nazarov@opencascade.com)	...
Projects	72201957	as1	tvaganov(tatiana.vaganova@opencascade.com)	...
User settings	72210926	321	tvaganov(tatiana.vaganova@opencascade.com)	...
Profile	72202136	as1	imn1(ivan.mechetin@opencascade.com)	...
Preferences	72653938	bubble_all	apn1(andrey.panin@opencascade.com)	...
	69155815	Oil refinery - simplified	asmirnov(andrey.smirnov@opencascade.com)	...
	13794649	pum	imn1(ivan.mechetin@opencascade.com)	...
	38174078	as1	imn1(ivan.mechetin@opencascade.com)	...
	72654078	as11	apn1(andrey.panin@opencascade.com)	...
	72654908	pump	apn1(andrey.panin@opencascade.com)	...
	72654530	Exemple 10 scans - individual	asmirnov(andrey.smirnov@opencascade.com)	...
	72654204	BV	tvaganov(tatiana.vaganova@opencascade.com)	...
	72654525	Sonate Full	tvaganov2(tatiana.vaganova@opencascade.com)	...
REFRESH				



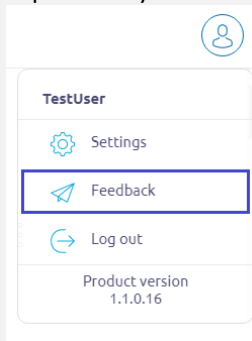
From this table, an admin is now able to change the owner of a project.



- Mesh quality in standard viewer has been improved.
- Content panel menu is now plain and simple.



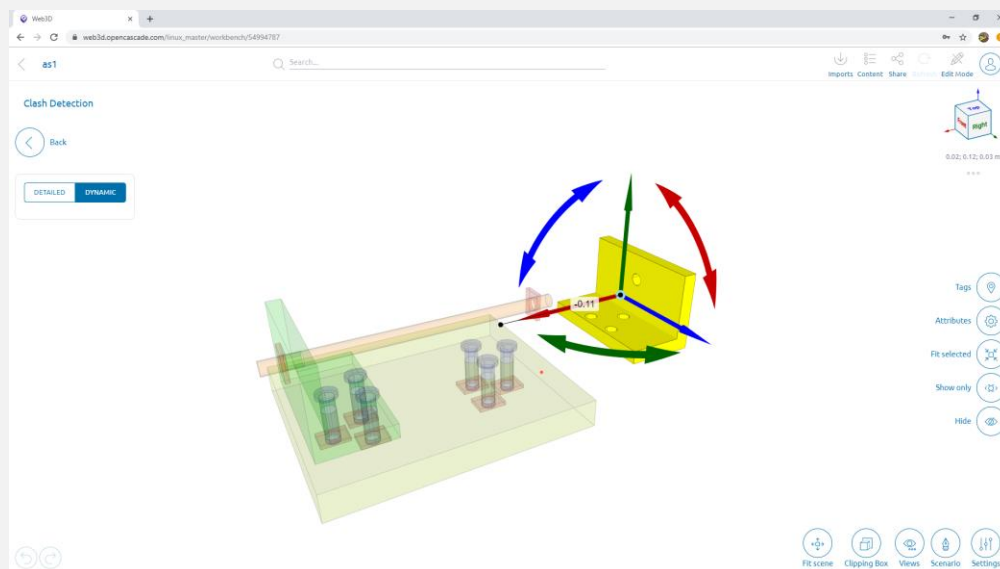
- An automatic notification message with an expiration period for the link is now sent on "user activation" and "reset password" events.
- Rows of deactivated users in admin panel are displayed as disabled.
- A possibility to send a user feedback to the ASRW team has been introduced in the product:





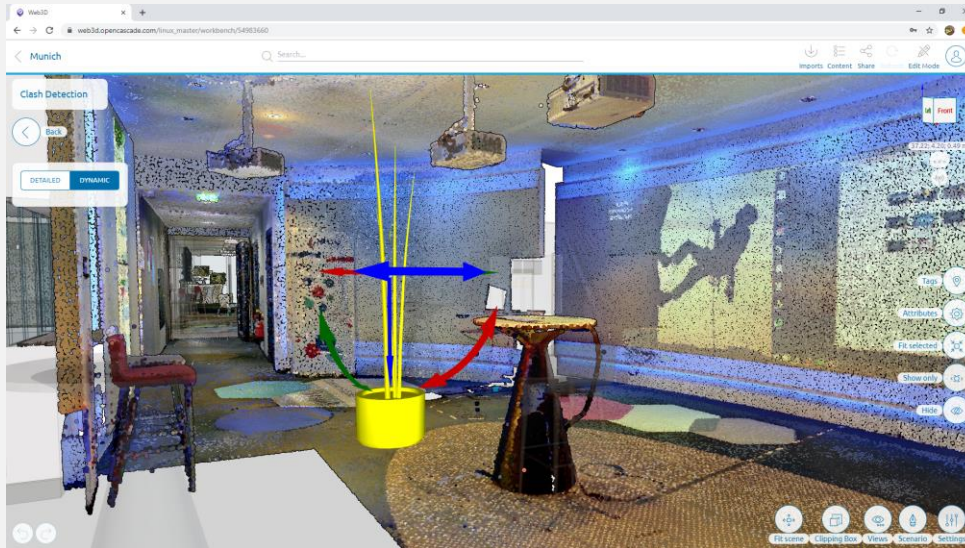
Noticeable fixes

- 2434 – Hide list of scenarios while playing back one of them.
- 2458 – Create scrollbar in Tag panel.
- 2530 – Reset action in the Search panel.
- 2532 – Multiple annotations with the same number.
- 2541 – The Java server application must be able to run converters from any path on the hybrid distribution.
- 2568 – Clash detection performance problem between pointcloud and model.
- 2574 – Error in client log by clicking on arrows/arcs of Move & Rotate trihedron.
- 2582 – Build converters for Linux.
- 2588 – Import of 360 degree images with PC files (.e57).
- 2603 – Upload button and Change name option are disabled in the project after the switching to Edit mode.
- 2621 – Impossible to copy extracted region.
- 2623 – Shape isn't loaded via HTTPS.
- 2635 – Project data synchronization when entering the edit mode".
- 2660 – Issue with not reopening the closed web sockets is fixed.
- 2651 – Transparency in clash detection mode is brought back.





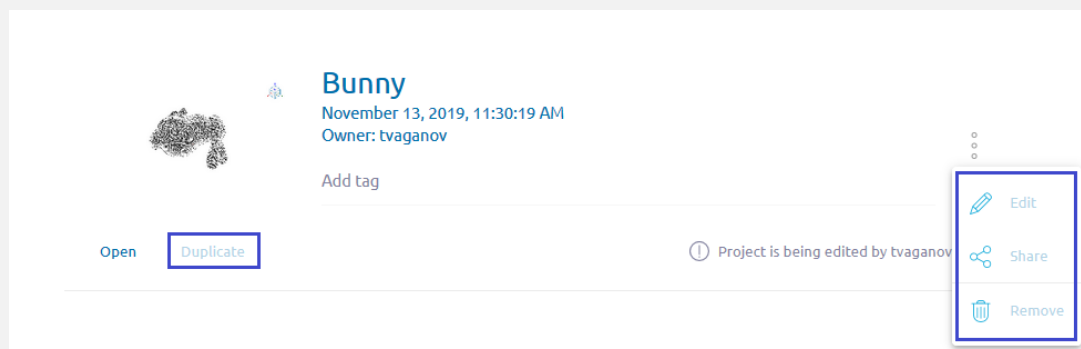
- 2663 – Collision finding between a point cloud and a model is fixed. Now a model doesn't highlight in red (collided state) when it is not in contact with other elements.



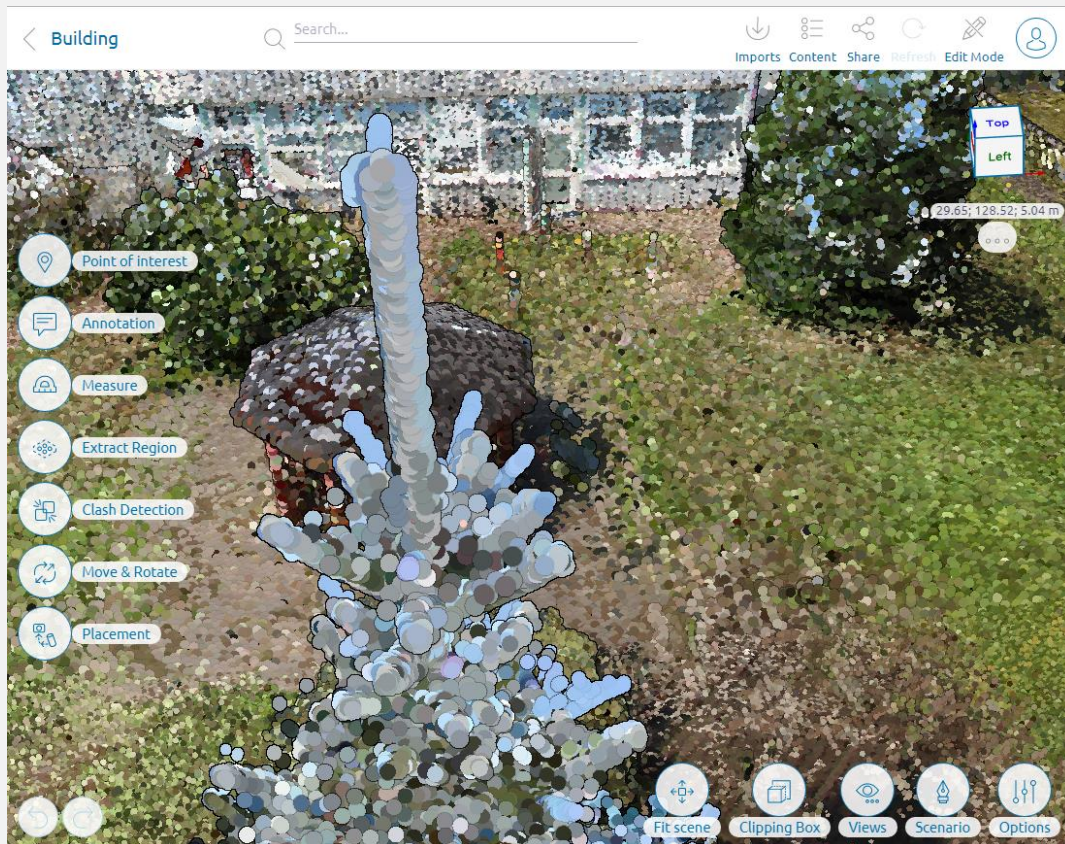
- 2681 – Converter crashes on CAD model import Rxxxxxx_1 is resolved.
- 2670 – Display of PC as set of slices is eliminated.
- 2664 – The duplicate button is unlocked for a case when uploading is stalled.
- 2644 – Custom view panel is no longer displayed with empty content after removing all the created views.
- 2571 – Selection of the region in the Content panel remains active after Hide operation.
- 2569 – Unavailability of Start button in Clash detection mode with performed selection is solved.
- 2634 – Selection in the tag panel doesn't cut off the bottom of the text anymore.
- 2673 – It is now possible to inform a user if the entered tag name matches the existence one.
- View only mode fixes include the disabling of the following buttons:
- 2669 – "Show only" and "Hide" on the right side of the viewer for the selected object.
- 2720 – "Remove" button for the measurements.
- 2678 – Undo/Redo buttons haven't available during background operations.
- 2710 – Pinch-to-zoom capability is disabled for touch screen devices. It is successfully checked on touchscreen monitor HP E230t with a station running on Windows 10, iPad Air 2 (iOS 13.1.2) and iPad mini 2 (iOS 12.1.4).
- 2719 – The whole project isn't reloaded anymore after switching Edit/View only modes in the shared project.
- 2709 – Dynamic clash detection is now the default option.
- 2492 – Any change on project settings is now transmitted to the server.
- 2605 – Conversion doesn't crash after uploading a lot of files.
- 2682 – Unnecessary error message on logout is no longer displayed.
- 2631 – Warnings in console after annotation removing isn't appeared.
- 2498 – Cancel operations are now handled correctly.
- 2595 – Search rule specified for exact match or mismatch is now work properly.
- 2602 – UI components for not implemented features has been deleted.
- 2688 – Changing of an annotation position while it creation is no longer ignored.
- 2779 – Viewer is now updated after switching between circles, spheres and squares for the PC display.
- 2801 – The message indicating who locked the project is no longer displayed for the user with 'view only' permission when the project is not locked.



- 2605 – It's now impossible to perform a select operation for Extracted region mode with not pressed 'Start selection' button.
- 2523 – Region extraction functionality now works better for large point clouds that internally consist of multiple point regions.
- 2330 – Large sized points in point cloud display were eliminated.
- 2010 – Clash detection performance problem between complex 3D models was fixed.
- 2440 – Slow update of the scene due to far objects are updated earlier than near ones was resolved.
- 2536 – It is now possible to delete a user if he has unfinished and terminated background jobs.
- 2489 – Security issue related to upload model files to Asset Revamping server by the "Link" method was fixed.
- Various fixes for user experience using iPad as a client device
- 2547 – Tapping. Zoom in mode issues.
- 2553 – The app freezes after exit full screen mode by tapping the "X" button.
- 2554 – Can't exit full screen mode by using the 'Full screen Mode' slider.
- 2440 – Far objects of the scene are no longer updated earlier than near one.
- 2502 – Validation of the entered by the user during first password creation password activates now when the password control loses focus or the Enter key is pressed.
- 2495 – Collaborative mode: Behavior of operations in projects list is changed. For edit mode all the actions are disabled as follows on the image below.



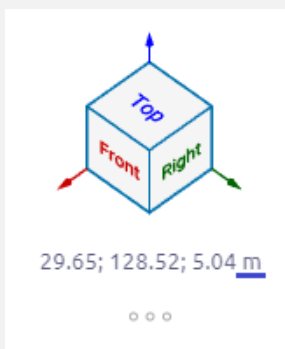
- 2472 – The sign in button now activates when auto-complete is performed.
- 2480 – Digits editor of "Move & Rotate" feature fit the working area and isn't off this area.
- 2525 – Message on incorrect login is changed to more clearly.
- 2523 – Extract region works on Sxxxxm PC.
- 2330 – Point sizes on the top of the trees are now smaller.



- 2501 – Application no more hangs after opening a Project tab in admin settings.
- 2508 – It's now possible to change password in user settings.
- 1259 – It's possible now to take a measurement near the annotations.
- 2343 – Showing of model parts after selection in the search auxiliary panel is now worked correctly.
- 2447 – Custom view description is correct.
- 2364 – Memory overflow on large point sets is eliminated.
- 2429 – Show only operation lead to changing content eye icon correctly.
- 2451 – Changing user name and email address is now possible.
- 2407 – Point clouds isn't loaded twice on project opening.
- 2408 – Incorrect logic on token expiration is fixed.
- 2426 – Expiration date from email sent while modification of user password is now correct.
- 921 – Copying/updating transformation of large number of nodes (32k+) didn't crash.
- 2418 – Many objects do not disappear in rough LODs and there is no one needs to zoom quite a lot to see something.
- 2422 – Only the first paragraph of annotation is displayed in content panel list.
- 2200 – Missing correspondence between selection of annotations in 3d and right panel.
- 2393 – Region appears after returning to project.
- 2204 – Message from viewer and Settings dialog no longer appears after logout.
- 2375 – Show/Hide/Remove options is disabled for projects which are shared in view only mode.
- 2412 – It's no longer possible to work with project under the same user in different browsers.
- 2413 – Creation of measures during model copying is disabled.
- 2406 – List of project for previous user isn't shown anymore.
- 2405 – Kicking the user from working session is fixed.





- 2404 – Error after copying of region is resolved.
- 1315 – Profile settings now contain e-mail address of the logged in user.
- 2400 – Transfer of an empty token before authorization of the user is fixed.
- 2341 – Search panel isn't closed anymore if Select/Deselect all button is pressed during selection process.
- 1114 – Show/hide on node which is tagged doesn't change their state in search panel.
- 2094 – Error isn't longer thrown into console as a result of attaching undone tag.
- 1921 – Performance of loading the whole model is improved.
- 2374 – Viewer doesn't crash anymore after fast moving of measure.
- 2390 – Crash on cloud model with dimensions is fixed.
- 2308 – No more error after opening shared project.
- 2391 – Measures are no longer shown when the nodes to which they were attached are hidden.
- 2379 – Show and hide options from search panel are fixed.
- 2207 – Renaming of shared projects is forbidden for the recipient.
- 2361 – Completely black capping is fixed.
- 2368 – Bad placement of windows after reading SxxxxM_STR.ifc is fixed.
- 2373 – Value of measure no more disappear after hide/show of model.
- 2363 – Viewer is now automatically updated after changing options in Clipping box.



- 2356 – Point coordinates near cube is now followed by length unit acronym.
- 2357 – There is no need to move focus out from the Context menu to apply 'Show only' functionality.
- 2273 – No error is longer thrown during creation of user with invalid e-mail address. New activation email is sent to the user after every change of the email address until the user will be activated. Only last sent activation link is valid.
- 2179 – Cloud of points objects are now visible out of the clipping box during its definition.
- 2345 – Project name field in project creation dialog has a placeholder which displays when the field is not active.
- 2355 – Application isn't more hanging up after performing 'Show only' operation for a model.
- 2320 – Wrong regions are no longer selected in right panel after moving region copies.
- 2264 – Sharing icon is no longer disappeared after editing of project name.
- 2329 – Scene is no longer focused on the last updated point cloud model.
- 2197 – User settings in admin panel is now saved by clicking on Save button.
- 1021 – Visualization of selected items in Content panel when the cursor over of selected item is performed.
- 2206 – Removing shared project is forbidden.
- 2305 – Size of cloud of points in VR mode is increased to reduce the gaps between them.
- 2328 – Incorrect fit scene after open project with model and PC is fixed.



- 2288 – Icon for not delivered emails on user panel is introduced in ASRV

otheruser	qtatiana.vaganova@opencascade.com 	user	Invited	
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- 2313 – Duplication of exxxxxx_1 project is performed successfully.
- 2307 – Region extraction no more hangs.
- 1942 – All measurements are removed after several Undo.
- 2294 – Possibility to "Model refresh" is enabled.
- 1137 – Activation of renaming is trigger by clicking on project name. No more special icon for this action.
- 2279 – Checking copy model operation safety in case of emergency and other unexpected incidents is introduced.
- 2269 – Search is able to found both equal and approximately equal cases.