

5.0.0

It's finally here! We have massively reworked how experiences are presented on differently powered platforms and are introducing art styles: Low Poly, Stylized, and Realistic.

Stylized mode is optimized for the Oculus Quest!

Hover over any element including events in the Builder to see a useful description of what it does.

Users can now customize their users page, get messages from other users, and add collections of experiences to highlight their best work. Opt-in, check out your dashboard to customize it.

You can now also make a copy of a published experience, work on the copy and save it back over the live experience when done.

Sharing experiences with us is now possible right in the Builder, let us know if you want us to look at a problem or highlight something cool you made!

One more thing: We have physics! When adding an object select the enable physics checkbox to unlock the magic.

Major:

- New: Introduce three art styles (Low Poly, Stylized and Realistic)
- New: Tooltips in Scene, Object, Animation and Event tabs
- New: Auto Update
- New: Overwrite feature to allow behind-the-scene editing of published experiences
- New: Share with Blocksmith Team in Share dialog
- New: Custom User pages with collections and Contact Me feature
- New: Enable physics option on objects
- New: Navigation features for any object

Minor:

- New: Scene music can be paused/played with events
- New: Distance Fog
- New: Custom camera rendering distance in Scene Graphics settings
- New: Preview Change quality per art style
- Improved: Group editing
- Improved: Update save model flow
- Improved: Add vertical alignment feature to textbox - yay!
- Improved: VR Viewer controller tooltips
- Improved: Hierarchy shows automatically when using Other Object event reference
- Improved: Sort Hierarchy objects by new/updated to old
- Improved: Add caution popup for when ungrouping a group with events
- Improved: Move My Models into Models tab
- Improved: Allow interactions and selections when objects are in the Player's hand(s)
- Improved: Free users see locks on models with premium features
- Improved: Showing model collections in the Builder/Studio
- Improved: Enable Shadow distance settings to fix circular shadow around player
- Improved: Allow throwing of physics objects from the player's hand

- Improved: Clear current experience when Logging Out of Builder
- Improved: Remove "Play All" from events
- Improved: 'Forgot password' support for managed accounts
- Improved: New high-res LOD levels for round shapes
- Improved: Better warning dialog for users who cannot share privately
- Improved: Limit graphics/art settings on WebGL Builder to mobile/low poly
- Improved: Auto-play triggerable FX when they are placed in a scene
- Improved: Home and Free users private sharing options
- Improved: Reseller Tools
- Improved: Allow referencing another variable as a parameter If Old Value =subcondition
- Improved: Show warning message when Hit Target is used on non-collideable objects
- Improved: Sort domains alphanumerically in dashboard
- Improved: Managed EDU user accounts receive free tier media quota
- Improved: Remove Home free/trial banners for EDU admins
- Fixed: Adding FX in Edit Group with rotated shapes causes boundary box to be incorrect
- Fixed: Builder crash caused by multi selecting rotated objects in Edit Group
- Fixed: Sub-group remains selected when Group Editor is closed
- Fixed: Set Daytime event does not work with variables
- Fixed: Experience tile highlight is not visible in Dark Theme
- Fixed: Hide object event does not affect the text on text boxes
- Fixed: Duplicating when view is zoomed in causes objects to appear in strange locations
- Fixed: Platforms and baked skyboxes are excluded from reflections in the Viewer
- Fixed: Characters looking to their right when first being placed in scene
- Fixed: Target is Not Player event condition does not work
- Fixed: Looping animations briefly jump to incorrect state on loop
- Fixed: Duplicated objects are placed incorrectly when duplicating multi-selected objects
- Fixed: WebGL Builder always shows Shared Models search/tags/sort options
- Fixed: Stylized Tree shader does not work with Dynamic Daytime Wind
- Fixed: Turning on dynamic daytime activates strong wind with slider set at 0
- Fixed: Apply to All Players ability doesn't apply Hitpoints
- Fixed: Templates cannot be opened on the WebGL Builder
- Fixed: Cannot deselect Anchored objects by clicking on the Outdoor platform
- Fixed: Hit Target does not work on animated groups
- Fixed: Variable actions do not fully appear when referenced from another object
- Fixed: Replaying a multiplayer scene caused Builders to freeze
- Fixed: Default 0 value in Set To Variable event action does not work
- Fixed: All saved sound files show question marks instead of duration

4.8.1

*We made glow more consistent between the mobile viewer apps and the Builder.
The tutorial has been improved to make it even easier to get started building in 3D.*

- Improved: Glow appears inconsistent between stylized and hq modes

- Improved: Builder switching to mobile shader set consistently in stylized mode
- Improved: Tutorial rework
- Fixed: Hill 4 and Hill 5 missing boundary box and previews on WebGL Builder

4.8.0

We heard your cries and added a zombie character! We also added some new hill shapes that will work together better to create mountain ranges.

- New: Add new hill primitives
- Improved: Load 40 experiences at a time in the Builder and viewer apps
- Improved: Change “Retain Player Direction” setting to be disabled by default
- Fixed: Quest box resizes/jumps when arrow buttons are slightly dragged
- Fixed: Samsung S8 keyboard problem
- Fixed: Builder becomes unstable after fade in/out transition after playing the viewer
- Fixed: Scaled down players cannot jump repeatedly
- Fixed: Variables in edit group cannot be selected
- Fixed: Animated object returns to original position after each step when spawned

4.7.2

Another quick bug release to fix up the water shader.

- Fixed: Unable to walk on water
- Fixed: Unable to cancel loading experiences in Viewer Apps
- Fixed: Unable to walk in trigger zones without objects below

4.7.1

Even more bugs for this quick release.

- Improved: SteamVR viewers should default to HQ mode
- Improved: Selection beam in Viewer app menus
- Fixed: TAA, SMAA, 4x and 8x anti-aliasing settings all showing same graphic settings
- Fixed: Jumping in WebGL on Chromebooks not working consistently
- Fixed: Scale snapping on small objects is difficult
- Fixed: Scaling triggers and effects distort boundary boxes

4.7.0

We did some major bug hunting for this release.

Major:

- New: External object referencing by adding variables
- New: Save project specific materials
- New: Local Messages

- Fixed: Login dropdown inverts after Playing the Viewer

Minor:

- Fixed: "P" key activates Play in Viewer when logging-in
- Fixed: Targeting "Other Object" with events on an anchored object doesn't work
- Fixed: Launch event does not work in VR Viewers
- Fixed: Export as 3D Model function does not work
- Fixed: Multiselection box appearing over UI panels when anchored objects are selected
- Fixed: Players do not fall in VR
- Fixed: Copying/pasting animations on Ring objects results in altered animations
- Fixed: Hiding/showing objects in multiplayer not working
- Fixed: Set color/set glow events not working on Multiplayer handheld items
- Fixed: Quest window closing if Enter or Esc keys are pressed
- Fixed: Edit Group moves handheld edited group when closed
- Fixed: Player moves 9 cm along the z-axis whenever a position field is deselected
- Fixed: Multiselection sometimes not showing most recent selection
- Fixed: Old value event condition has no field
- Fixed: Sound Finished event takes a long time to trigger
- Fixed: Hide event not working with some groups
- Fixed: Undo fails when attempting to bring back animations after ungrouping
- Fixed: Using controller when using "Play on SteamVR" breaks mouse interactions
- Fixed: Quickly moving through Quest steps can lead to incomplete steps
- Fixed: Component variables are sometimes not reset after playing the viewer
- Fixed: Player unable to initially jump on most platforms
- Fixed: Importing/uploading an obj model leads to NaN dimensions on model
- Fixed: Multiple obj models in a specific scene crashes the GearVR Viewer
- Fixed: Set Random external parameter drop-downs are missing
- Fixed: Animation Finish doesn't fire on looping animations
- Fixed: Snapshot previews and captures do not show glow
- Fixed: Some FBX's crashing Builder
- Fixed: Multiselection box does not work after Playing the Viewer
- Fixed: Dropped pickup items' events do not work after re-pickup

4.6.0

Characters can now hold objects!

Better handling of character body animations in the event system.

Rotate objects with the event system.

Major:

- New: Allow characters to hold objects
- New: "Rotate To", "Rotate By", and "getRotationX/Y/Z" Events
- New: Character Body Animation Events Freeze and Unfreeze

Minor:

- New: Walkable checkbox to control where characters can walk in a large scene
- Improved: Sort animations alphanumerically
- Fixed: Teleport point boundary box is incorrect
- Fixed: Unable to drag color slider when white is selected in color picker

4.5.2

Oculus Store settings updated. Viewer apps only.

4.5.1

Patch release to fix a few problems with characters navigation system.

Minor:

- Fixed: Characters approaching object stop after touching the object instead of following
- Fixed: Character navigation system not working in Viewer Apps
- Fixed: Switching navigation modes using events fails
- Fixed: Navigation mode options do not appear after changing modes
- Fixed: Character not able to step up onto small step
- Fixed: Approach Object event action not showing navigation target button

4.5.0

Pro accounts now have the collaboration feature! Collaborators are able to make changes on experiences and the owner keeps all rights.

Pro accounts can now transfer ownership of experiences to other Pro accounts.

Make characters talk! Add a sound component to a character and check lipsync.

Major:

- New: Collaboration Mode for Pro Accounts
- New: Ownership transfer for Pro Accounts
- New: Lip sync on character
- Fixed: Characters avoid trigger zones

Minor:

- New: Display collaborator notes in version history
- Improved: Show material options when adding materials in architectural wizard
- Improved: Cleaner display of custom event messages
- Improved: Share with Domain - change 'Remixable' to 'Open Source' to better explain the intent
- Improved: Regroup Character Events to make more useable
- Fixed: Character with sitting animations are floating over objects when Playing Viewers/Scenes
- Fixed: Indenting code in script editor is broken
- Fixed: Scene preview lighting resets after play in viewer in some scenarios

- Fixed: Oculus Quest is treated as a Single Controller VR player in MP scenes
- Fixed: Architectural Wizard in Dark Mode needs adjusted
- Fixed: Some textures not coming through on stylized variant of construction worker character
- Fixed: Closing/re-opening Login window on website doesn't clear password
- *Quick and fast bug release! We fixed a problem with characters when playing an experience twice in viewer apps.*

4.4.0

Make characters come to life with Body Animations!

Several improvements made to the Oculus Quest viewer.

Versioning has been made available on experience's pages on the web. Easily revert back to a previous version of experiences.

Major

- New: Character Body Animations
- New: Versioning for Experiences
- Improved Oculus Quest Dual-Stick support for Viewer:
 - Right trigger click in menu selects what left pointer points to
 - Acts like it is selecting menu items several times
- New: Wrist menu for dual stick VR devices
- New: FBX models do not appear on mobile devices
- New: Glow is now available on mobile platforms
- New: Handle FBX's with embedded textures

Minor

- Improvement: Display Material pool categories as buttons
- Improvement: Remove "Click to Play" message from WebGL Builder's Viewer
- Improvement: Remove star icons
- Improved: Allow reordering of items in a collection
- Fixed: Boundary box offset on groups sometimes
- Fixed: Add Video button in Quest editor is broken
- Fixed: Characters do not retain their scaled size when duplicated
- Fixed: Character navigation not avoiding objects
- Fixed: Collection contents not loading for domains
- Fixed: Player falls through platform when Viewer is played from scenes with transitions
- Fixed: Boundary boxes on shapes in groups distorted after scaling
- Fixed: Highlighting a section in Architecture Wizard stays highlighted when exiting wizard
- Fixed: Client tools only being given to one team in Architecture Wizard

4.3.0

View your experiences in AR on compatible Android/iOS devices!

Domains can now customize their homepages! Add images, descriptions, logo, and collections to your domains homepage to welcome your users.

Characters have been updated to include emotions.

Easily share your experience in the Builder by clicking the share button in the top bar.

Major:

- New: Custom Homepage
- New: Add share button in the Builder
- New: Mobile HQ Wizard
- New: AR on mobile viewer apps
- Fixed: WebGL Builder crashing after play in viewer

Minor:

- New: Add Libsync and wire it to characters
- New: Add Warehouse mode for large scale multiplayer experiences (Pro feature)
- Improved: Glow value can be set in smaller steps
- Improved: Update select Premium Experiences with new graphics
- Improved: Make credits more visible on purchase pages and dashboards
- Improved: Add a tip to Teachers page on EDU Domains during trial
- Improved: Add quota and subscription information to My Media tab
- Improved: Update Teacher permissions on EDU Domains
- Improved: Show “Everything” on the Explore page
- Improved: Descriptions for collections should show everywhere a collection is visible
- Improved: Allow renaming of collections
- Improved: Add new Help pages for EDU domains
- Fixed: Border between background and platform flickering in VR Viewer
- Fixed: Picking up an object with Auto-collect significantly increases the boundary box size
- Fixed: Market item thumbnails not appearing in WebGL

4.2.1

Quick patch release

- Fixed: Cardboard viewers not working on 64bit phones
- Fixed: Sounds not showing what they are named

4.2.0

Blocksmith Pro is here!

It is now easier than ever to create VR home tours with our architectural wizard. We added multiplayer characters in business attire as well as Dollhouse and Slicer feature for the Viewers.

Browsing our homepage and loading experiences in the Builder/Viewers you will find a new feature: Collections!

If you own a Blocksmith domain (limited to EDU users at this point), you can use collections to customize your domains. Feature outstanding student work, competition results, seasonal experiences, you decide. This feature is just in time for Halloween, we expect to see spooky collections.

Sharing across all tiers is now unlimited and when you share with a new user and they visit the experience page online, instead of the very limited WebGL player we will now open the experience right in the Blocksmith Builder (and install it if necessary).

Major:

- New: Add Pro Account Tier
- New: Update oculus sdk to support quest
- New: Load screen redesign with Collections
- New: Replace WebGL on experiences with Builder download
- New: Creating collections of experiences
- New: Remove sharing limits

Minor:

- New: Info bubble on all assets showing required tier
- New: Pro Version: Architectural Wizard
- New: Pro Version: Dollhouse Mode/Slicer Plane feature in Viewers
- New: Pro Version: Business characters for multiplayer tours
- New: Top bar UI redesignImproved: Upgrade Trial from Personal to Pro
- Improved: Characters placed in scene face the camera
- Improved: Improve market item buying experience
- Improved: Auto demote teachers after subscription or trial ends
- Fixed: Objects do not shift-stack accurately onto the tent object
- Fixed: Canvas text boxes' roundness slider getting set to 10
- Fixed: Controllers not appearing in Oculus Quest Viewer
- Fixed: Part of the skybox appears in front of video objects
- Fixed: Picked up scene objects disappear when local players get close
- Fixed: Hill primitives are significantly different shapes and sizes on Stylized vs. Realistic
- Fixed: Trees have different positions between Stylized vs. Realistic
- Fixed: Volume slider on Sound Components doesn't work well
- Fixed: Sound library not appearing in Builders pointing to new domains
- Fixed: Variables in Player Slot in Multiplayer non-communicative
- Fixed: Scene objects disappear if picked up in a MP match
- Fixed: Different players sharing the same multiplayer character
- Fixed: Domain dropdown not selecting reliably in 3D viewer
- Fixed: Sound finish event not happening consistently

4.1.1

This version includes WebGL improvements and a beautiful new Material Pool. We are also bringing Hitpoints back due to popular demand.

Premium experiences can now be viewed with VR viewers!

Fixed a bug where players were 10cm taller than they really are in SteamVR viewers, which was felt specifically in VR home tours. We highly recommend (re-)doing floor calibration from time to time for such experiences!

JavaScript errors and logs are appearing in the console now

Major:

- New: Major overhaul to the Material Pool
- Improved: Bring back Hitpoints
- Improved: Save event messages with models
- Improved: Update Viewer Apps to show premium sections
- Improved: Performance Indicators can be clicked to show scene details
- Improved: EDU Edition: Devices dashboard update
- Improved: EDU Edition: Make quick signup default for EDU domains
- Improved: EDU Edition: Admin dashboard shows when trial ends
- Improved: EDU Edition: Dashboard Help page link should change if in trial
- Fixed: WebGL sometimes crashes after play in viewer
- Fixed: SteamVR Viewer off by up to 10cm

Minor:

- Improved: Dark mode JavaScript editor has weak contrast
- Improved: Certain trees appear very dark on default settings
- Changed: Change script type to mono-spaced font
- Changed: Experience-wide pickup items should not be a default setting
- Improved: Apply to all players should also paste components/events/tags and show a popup clarifying its action
- Improved: Improve Volcano object colliders
- Improved: Change quest hover link to be visually different than a clickable link
- Fixed: Players should not be able to be hidden with events
- Fixed: Builder becomes unresponsive if the Player is destroyed
- Fixed: Platforms do not work with HitTarget events
- Fixed: Using Reverse Animation event will initially show an additional animation option
- Fixed: Dark mode Set Color event does not show true color
- Fixed: Dark mode causes preview images on the Save page to be darker than normal
- Fixed: "Loading Material" endless dialog
- Fixed: Single objects show extra offset boundary box if selected after an anchored object
- Fixed: Changing grid color while in Stylized graphics causes background to turn black
- Fixed: Scene Lighting is brighter in the Viewer
- Fixed: Events becoming cutoff/inaccessible when long/many events are present
- Fixed: JavaScript in multiplayer does not properly update Text objects for other players
- Fixed: Oculus GO build doesn't pass due to unnecessary permissions
- Fixed: Snap points offset from some objects

- Fixed: Re-mixable becoming activated automatically in Share dialog
- Fixed: Materials disappear temporarily from rocks when adding/deleting objects to a scene
- Fixed: Some templates are crashing the WebGL Builder when Play in Viewer is used
- Fixed: 'Dome' Shape no-collides, unselectable after play
- Fixed: Issue with Timer Event in Multiplayer
- Fixed: Player Hand Objects disappear when dropped in multiplayer
- Fixed: Adjust Viewer Volume
- Fixed: Quest step resets every time on play in viewer
- Fixed: Javascript not logging to Console

4.0.0 - 4.0.5 (EDU only Release)

We did it! Stacked animations, tons of new materials to create with and a major graphic overhaul, particularly on high-end devices and much much more:

https://www.blocksmithxr.com/blog/blocksmith_40_info

3.0.4 (EDU only Release)

A small bugfix release before we provide access to 4.0, which will include stacked animations, tons of new materials to create with and a major graphic overhaul, particularly on high-end devices

- Fixed: On some configurations, “Play in Viewer” changed domains to “Main”
- Fixed: Quest Box didn’t show “Tips and Tricks” entries
- Fixed: On some configurations, Saving Models caused an upload error
- Fixed: Scaling down Player Characters below a certain threshold caused endless jumps

3.0.3 (EDU only Release)

So far, we have asked teachers to personally manage student accounts in situations where students don’t have public email addresses. Our updated guardian system differentiates between legal guardians(parents) and teachers. We also ask users for their age and require a legal or edu guardian to confirm our TOS if a user is under 13 in compliance with modern privacy laws.

A new Quick signup feature allows domains to manage student accounts without email addresses. Improved Teacher permissions in order to help administrators better manage their domains. Improved Users view in domain dashboard. Various Builder fixes.

Major:

- New: Redefine Guardian system to legal Guardians vs Domain Admins/Teachers
- New: Domain Admins can enable Quick Signup for streamlined student management
- New: Require Guardians for users under the age of 13
- New: Resellers can now get reimbursed directly into their Stripe accounts
- New: Access Premium Experiences in the Builder (on domain locked devices)
- New: Limit legal guardians to manage 5 users max

Minor:

- Improved: User Management Help Pages
- Improved: Initial chapters of Classic Games and Farm Sim quests now include games
- Improved: Allow teachers to lock devices to a domain
- Improved: Streamline managed limited user account to full account transition
- Improved: Teachers can delete a class
- Improved: "Users" Page Redesign for Admins and Teachers
- Improved: Access Request page redesigned
- Improved: Update permissions for Teachers
- Improved: Highlight help page on domain Overview page
- Improved: Notify user when email is already in use when adding email
- Improved: User receives email when manually added to a domain
- Improved: Verify age when a user removes guardianship or domain management
- Improved: Show on Dashboard what signup setting is selected
- Fixed: Characters invisible in Builder in Desktop Multiplayer
- Fixed: Stop Spawn Motion event doesn't work in Multiplayer
- Fixed: Spawners rotate in the Viewer
- Fixed: Certain FBX files lose textures after importing
- Fixed: Respawn not working in some Multi-Player games
- Fixed: Removing an object from the Player's secondary hand deletes the item in the primary hand
- Fixed: Stop Spawn Motion resetting animated spawned object's position
- Fixed: HitTarget not working on single objects spawned from a player slot
- Fixed: Quest progress sometimes not matching selected quest
- Fixed: Password autofill security issue when going back from domain setup page

3.0.2 (EDU only release)

New dashboard menu for Administrators!

Enabled Teacher and Classroom features and changed the Quest assignment workflow, so that both Administrators and Teachers can manage classes and assign Quests.

New auto-assign features for Quests making student management very easy.

Major:

- New: Quests are now part of a domain and can be managed by all stakeholders
- New: Enabled Teacher and Class workflows
- New: Improved Lock-to-Domain workflow for Builder and Viewer apps
- New: Remove seat licenses, Blocksmith EDU is now licensed to run on unlimited devices

Minor:

- New: Purchased Page in Admin Dashboard
- New: Updated Help pages

- New: Older Viewer/Builder apps don't show experiences made with newer versions
- New: Builder automatically selects the correct quest version
- New: Button to refresh added to Quest Hub
- Improved: Builder software guides users through the domain access requests
- Improved: Changed "Tie to Domain" to "Lock to Domain"
- Fixed: Market Media Videos Slow/Stuck on Other Video

3.0.1 (EDU only release)

EDU users have now the option to purchase Premium Learning experiences. Student progress tracking has a new home and is more accessible.

Mobile viewers support notches.

We also overhauled the deep clicking feature, with multiple clicks on the same group selecting objects within it. Holding 't' while doing that allows to select objects behind each other.

The Blocksmith system now supports an affiliate program.

Major:

- New: Premium Experiences in the store
- New: Reseller Dashboard
- New: Replace Main Download page

Minor:

- Improved: Add loop limit to prevent recursive loops crashing the Builder
- Improved: iOS/Android notch support
- Improved: Deep Clicking Improvements
- Improved: Focus ability should cycle through team members in a MP scene
- Improved: Updated the Island template
- Improved: Single Object editing
- Improved: Event buttons should have a highlight
- Improved: Show each user's current Quest progress on the Domain Manager's Quest page
- Fixed: Water can hide text and variable objects in the scene
- Fixed: Selecting the Preferences window can cause a crash in the Builder
- Fixed: Snap points missing in Edit Group
- Fixed: Sound processing on the server is broken

3.0.0 (EDU only release)

After almost one year of hard work, the new Blocksmith system is here

- Much improved group editing
- Slot objects, bullets, etc can be edited while wielded/assigned
- Pickup items and inventory system, fully accessible in all platforms
- Test in VR right out of the Builder
- Design wizards in the start screen for multiplayer architecture VR tours

- AR support
- Much Improved Hierarchy view
- Expanded event system
- Improved Undo/Redo
- FBX importing
- Lot's of new special effects
- Data, grip, character, and water objects
- Builder Quest Hub
- Quest and Premium Content Store
- New log console
- Messaging events
- Object tagging

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Curious how it all started? 2.1 user? We'll keep this short but feel free to contact us for earlier release notes!