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Adobe MAX 2020 : Adobe Introduces AI Features to Photoshop on desktop and iPad

Hong Kong — October 21, 2020 — Today at Adobe MAX, Adobe (Nasdaq: ADBE) unveiled significant innovation across its Creative Cloud applications and services. In addition to ground-breaking new features like Neural Filters in Photoshop, the company released major updates to its flagship applications including Lightroom, Premiere Pro and Illustrator. Adobe also underscored its commitment to accelerating the development of mobile and multi-surface apps, with the official launch of Adobe Illustrator on iPad and Adobe Fresco on iPhone.

Adobe MAX 2020: Creativity for All
Rooted in Adobe's mission to enable creativity for all, MAX 2020 is offered as a *free* around-the-world event. "In a year defined by so many challenges, we're proud to bring our community together to underscore the resilience of creativity and share our vision for empowering creativity for all," said Scott Belsky, chief product officer and executive vice president, Creative Cloud, Adobe. "Visualizing ideas, sharing stories and expressing whatever's in the mind's eye are more important now than ever. We're excited to introduce creative apps and services built to fuel continued growth for creative professionals, while also outfitting novices who want simple tools that bring their ideas to life."

Photoshop: Now the world's most advanced AI application for creatives
Among the hundreds of cutting-edge features built to help users take their creativity to greater heights, introduced in the Photoshop experience include Sensei-powered Sky Replacement, two new Refine Edge selections and the breakthrough Neural Filters open up a world of new possibilities for users to expand and elevate their creativity in a matter of seconds, with access to a growing library of artistic filters.

Users can free themselves from the mundane, non-creative tasks and focus on what matters most – their creativity, with the addition of these five major new breakthroughs:

Photoshop on Desktop
Neural Filters
A new workspace inside Photoshop that introduces new non-destructive filters to help users explore creative ideas in seconds using machine learning. Users can discover a rapidly growing and improving library of artistic and restorative filters, find a "best" idea for inspiration, and refine their images with the familiar tools they know in Photoshop. They can

try more creative (and labor-intensive) ideas than ever in the time they booked for their project, and have all the power of Photoshop when they take their Neural Filters result back to the canvas for final touches.

Skin Smoothing and Style Transfer, Adobe's first 'featured' filters, can help photo retouchers and inspire artists and produce some of the most consistent results at this point in development. Adobe has also released six 'beta' filters, along with new feedback tools for customers to tell how the results satisfied their creative intent.

Smart Portrait is one of these first beta filters and helps users transform age, expression, pose, colors, and more. Artificial intelligence analyzes the content of portraits and gives them the ability to change aspects like facial features. They can use the gaze and head sliders to change the direction of the eyes or head, or light direction to change the angle of the light source. Change hair thickness, the intensity of a smile, or add surprise, anger, or make someone older or younger. The current filter works best on subtle changes, but users can crank it up to let their imagination run wild.

Image 1: Using Smart Portrait filter to transform the pirate's head , eyes and expressions

Sky Replacement

It is now faster and easier than ever before to create more dynamic images by swapping in a new sky. Photoshop now knows what's foreground and sky. Users can either select the sky with Select > Sky and edit it to the heart's content. Or use Edit > Sky Replacement, choose a new sky from Adobe's database or add their own, and let the new Sensei-powered, machine-learning models do the masking and blending. This feature is a huge time saver for users, especially those retouching landscape, real estate, wedding and portrait photography.

Image 2: Using the new Sky Replacement feature to choose a new sky from Adobe's database or add their own

Intelligent Refine Edge

Leaping ahead over the past few releases with Sensei artificial intelligence powering features like Select Subject and Object Selection, multiple algorithms that more smartly deal with tricky hair and complex backgrounds are added, underpinning Refine Hair and Object Aware Refine Mode in the Select and Mask workspace.

Refine Hair: Located in the Options bar across the top of the Select and Mask workspace, it seeks out the people in a selection and automagically refines the selection of their hair. This is especially useful if users have used the Object Selection Tool or Quick Select Tool to select a particular person, and want to refine the hair in a single click.

Object Aware Refine Mode: Now users can click on the Object Aware button to set the Refine Edge mode to make selections even better, even faster. The Object Aware algorithm has been trained to understand objects in the scene and thus work better with similarly-colored or similarly-textured backgrounds.

Image 3: Using Refine Hair feature and Object Aware Refine Mode automagically refines the selection of the hair

Photoshop on iPad
Edit Image Size
Change the dimensions, resolution and sampling of PSD to fit the output that users need. This new capability matches what users can already do on Photoshop on desktop. Adobe has added a document properties panel in the top left with gear icon which shows document dimensions, color mode, and resolution, and the following specific items to image size on Photoshop on desktop: Resampling image (same resampling modes, bicubic, preserve details, etc.) and preview of resampled image. The latter will be updated after MAX to also include pan and zoom.

Live Streaming
Now gallery and live streaming options are available within Photoshop. Anyone can livestream from the app or watch past recordings, from the "Export" menu on the top right and with an iPad's camera and chat window to interact with Adobe Behance customers as they watch creation live. Toggle camera and chat on and off to match the live streaming needs. Recordings will be moderated and posted in the gallery on Behance and inside the Photoshop on iPad app.

Image 4: Gallery and live streaming options are available within Photoshop.

There's also a new Behance Gallery inside the app so users can get inspired and view work from others in the community.

Availability
All Creative Cloud subscribers can download updates to Creative Cloud desktop software today. Additionally, mobile apps start rolling out globally today and can be downloaded in the Apple App Store and Google Play Store.

To learn more about the new features of Photoshop and Photoshop on iPad, please visit here.

About Adobe
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