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layers = importKerasLayers("celebGAN2generator.h5", "ImportWeights",true);

% replace reshape layer
reshape_layer = functionLayer(@(x) dlarray(reshape(x, 4,4,256, []), "SSCB"), ...
    Formattable=true, Acceleratable=true);

layers_new = replaceLayer(layers, "reshape", reshape_layer);
%build generator
generator = dlnetwork(layers_new);
plot(generator)

val_latent_vector = dlarray(randn([128, 16]), "CB");
if canUseGPU
    val_latent_vector = gpuArray(val_latent_vector);
end
val_images = predict(generator, val_latent_vector);

% plot all images
I = imtile(extractdata(val_images));
I = rescale(I);

%Display the images.
imshow(I)

```