Getting a Google Vision API key

To use the Google Vision Service, you're going to need a Google Vision API key, and in order to get that, you have to put down your credit card. That's because if you were to go over a thousand images a month, processing more than a thousand images in a month, Google would start to charge you for that. The entire pricing structure for that is at this URL, so check that out, if you're interested.

We're not going to get even close to a thousand images in a month for this project. But there's always the possibility that you could run up a bill, so that's why you have to have your credit card on file. The other thing is that getting the API key turns out to be kind of complicated, so this is just a good thing to walk through and have somebody sort of guide you. So let's go ahead and do that.

This time when you go to Cloud.Google.com, and we're going to click "go to the console." The first thing you'll see here is your free trial is waiting. Activate now to get $300 credit. So we'll say activate that because you want the credit. And here we go through the steps. So step one is pick your country and agree to the terms of service. Step two is putting in your business, if you have one, or you can just make it an individual account. That's what I do. And then write in your information, and here's where you have to add payment information to.

This is where you're going to need your credit card in order to hold that in case you go over any of the limits. Again, we're not going to use this resource enough to ring up any charges, but you still have your have to have your credit card on file. Once you do all of that, go ahead and hit "start my free trial," and we'll go to the main screen, the console, which is this screen full of information. And where you want to go is right up here at the top, so there should be a dropdown here. And you want to create a new project, which is this little button here. So I'm going to say new project. And I'm going to call it AI workshop vision. You can call it anything you'd like. And hit create. And it's building that project over here. OK.

And then we want to make sure to choose that project again from the same menu here, so I want to switch to that project. So whatever you name your project, I called mine AI Workshop Vision, you want that in this window right here. OK, that's the first step.

And then over here on the sidebar, you want to go to this menu that says API's and Services. So click on that, and you'll get a new dashboard. Right here. Click on this button at the very top, which is enable API's and services. And we're going to search for vision. And Cloud Vision API. That's the one we want, and the one you want is enable.

Great. Now what we want is to click over to this little key where it says credentials. And again, at the very top, there's a button called Create Credentials. And the one you want is the service account. Service account name. You can just call it "my vision." And service account description. API key for my project. OK, so hi create. Here I clicked project. And then viewer. So project and viewer. Hit continue.

So at this point, your instinct might be to create key, but that's not the key we need. So here, just hit save or done, whichever is there. And then click on the Google Cloud platform logo here again. And we're gonna go back to API's and services, and this time go

to credentials. And now we're going to create an API key. This is actually the key that you're going to need. So here we say create credentials. Choose API key, and this is your API key.

You want to make sure to save this in a secure location. It is not wise to share it in a video like I'm doing right now. I will delete this key later because I don't want anybody else to use my Google account or my credit card to do vision work.

But I will copy this, and I'm going to paste it in a secure place so that I can use it later. This is the key that you're going to want in Video Four for when we're using the Google vision service.

Now that you have your API key, you can go back to the previous video and put it right here in the proper place in the notebook, and then your code will work for the Google Vision Service.