Azure Data Science Virtual Machine for Linux and Windows

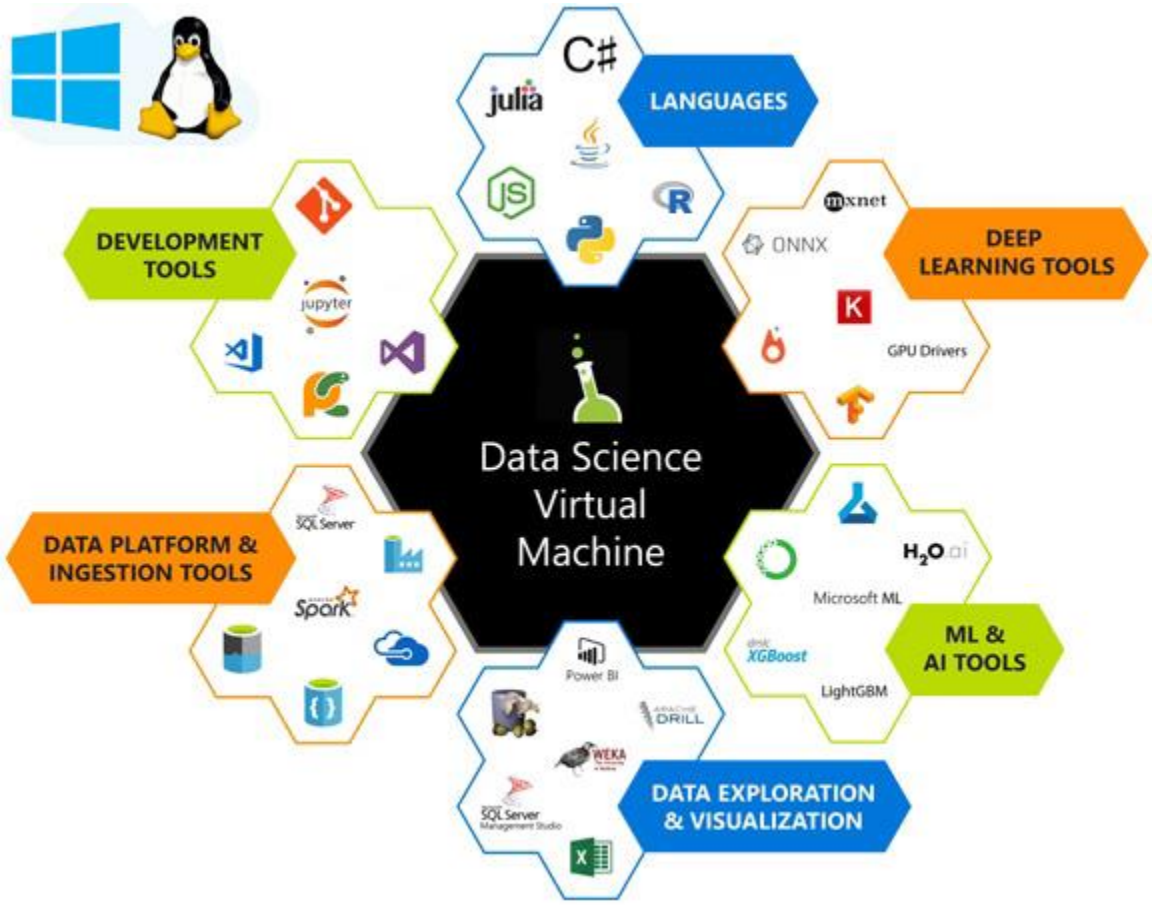
The Data Science Virtual Machine (DSVM) is a customized VM image on the Azure cloud platform built specifically for doing data science. It has many popular data science tools preinstalled and preconfigured to jumpstart building intelligent applications for advanced analytics.

The DSVM is available on:

- Windows Server 2016
- Ubuntu 16.04 LTS and CentOS 7.4

Why choose the DSVM?

The goal of the Data Science Virtual Machine is to provide data professionals of all skill levels and across industries with a friction-free, preconfigured data science environment. Instead of rolling out a comparable workspace on your own, you can provision a DSVM. That choice can save you days or even *weeks* on the installation, configuration, and package management processes. After your DSVM has been allocated, you can immediately begin working on your data science project.



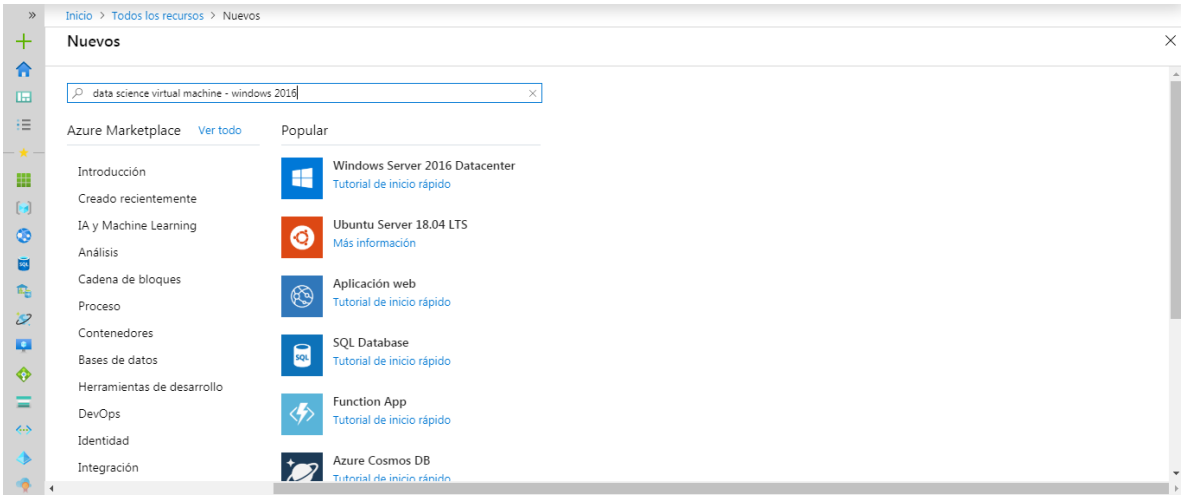
Deep learning with GPUs

In the DSVM, your training models can use deep learning algorithms on hardware that's based on graphics processing units (GPUs). By taking advantage of the VM scaling capabilities of the Azure platform, the DSVM helps you use GPU-based hardware in the cloud according to your needs. You can switch to a GPU-based VM when you're training large models, or when you need high-speed computations while keeping the same OS disk. You can choose any of the N series GPU enabled virtual machine SKUs with DSVM. Please note Azure free accounts do not support GPU enabled virtual machine SKUs.

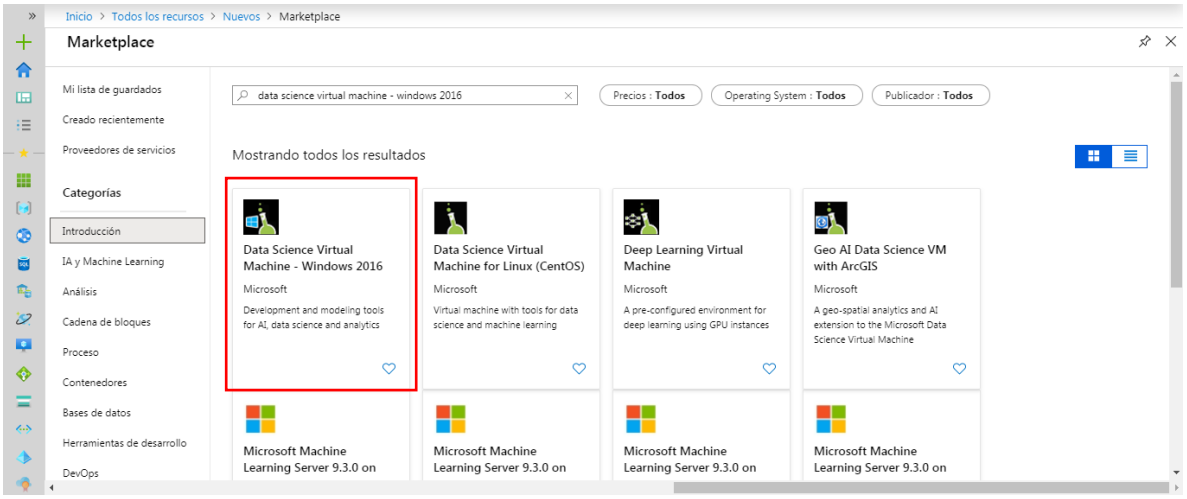
The Windows Server 2016 edition of the DSVM comes pre-installed with GPU drivers, frameworks, and GPU versions of deep learning frameworks. On the Linux edition, deep learning on GPUs is enabled on both the CentOS and Ubuntu DSVMs.

You can also deploy the Ubuntu, CentOS, or Windows 2016 edition of the DSVM to an Azure virtual machine that isn't based on GPUs. In this case, all the deep learning frameworks will fall back to the CPU mode

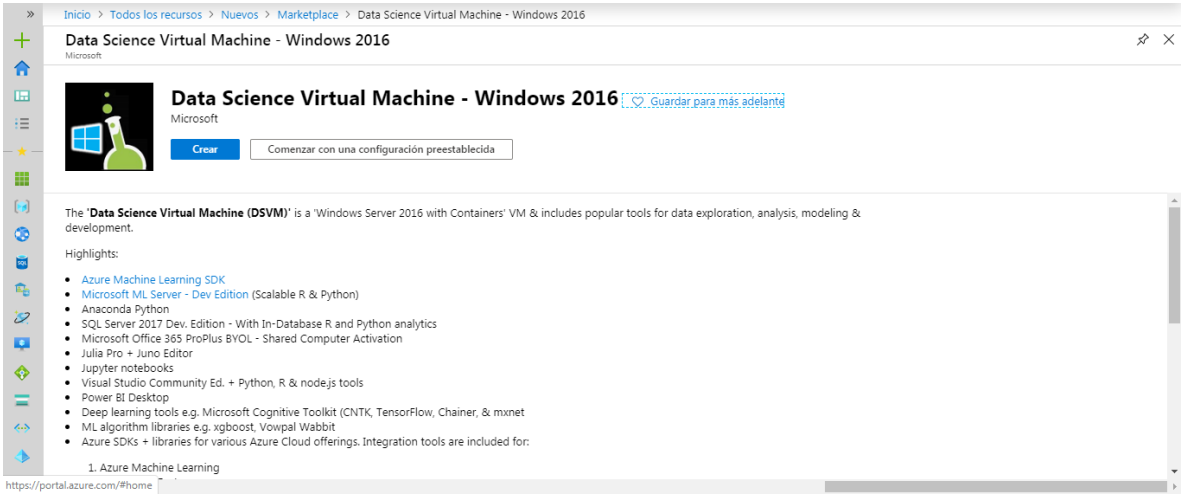
Click on create a new resource



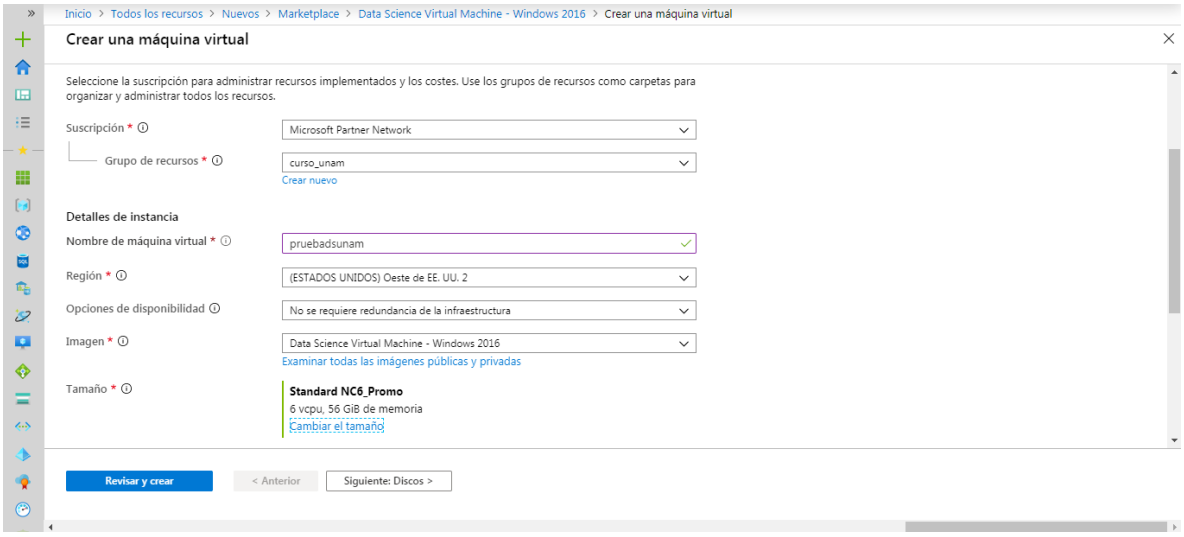
Introduce “Data Science Virtual Machine – Windows 2016” inside the search box



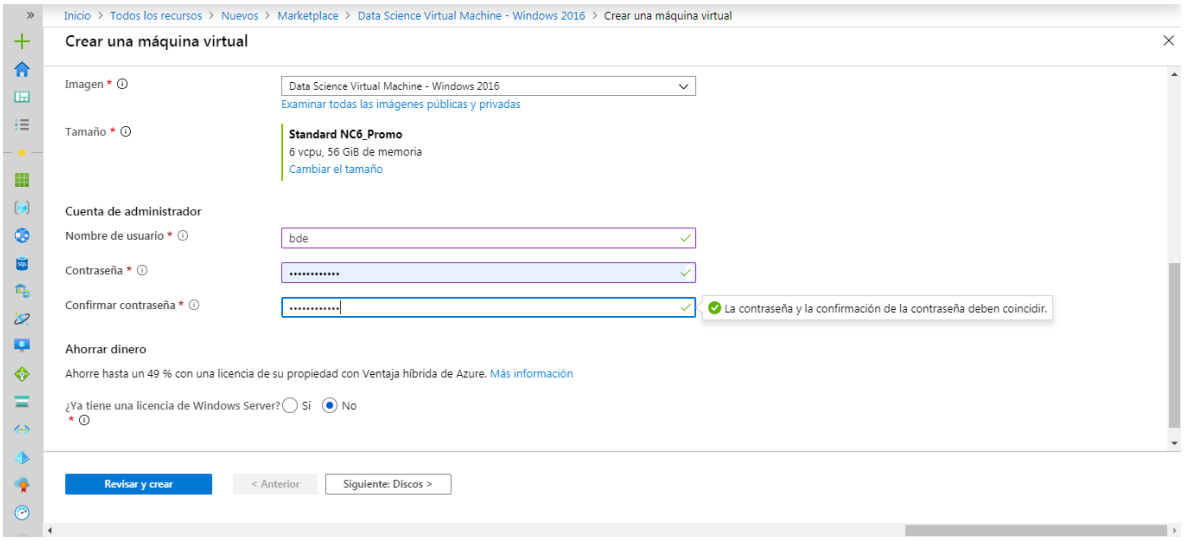
Click on the create button



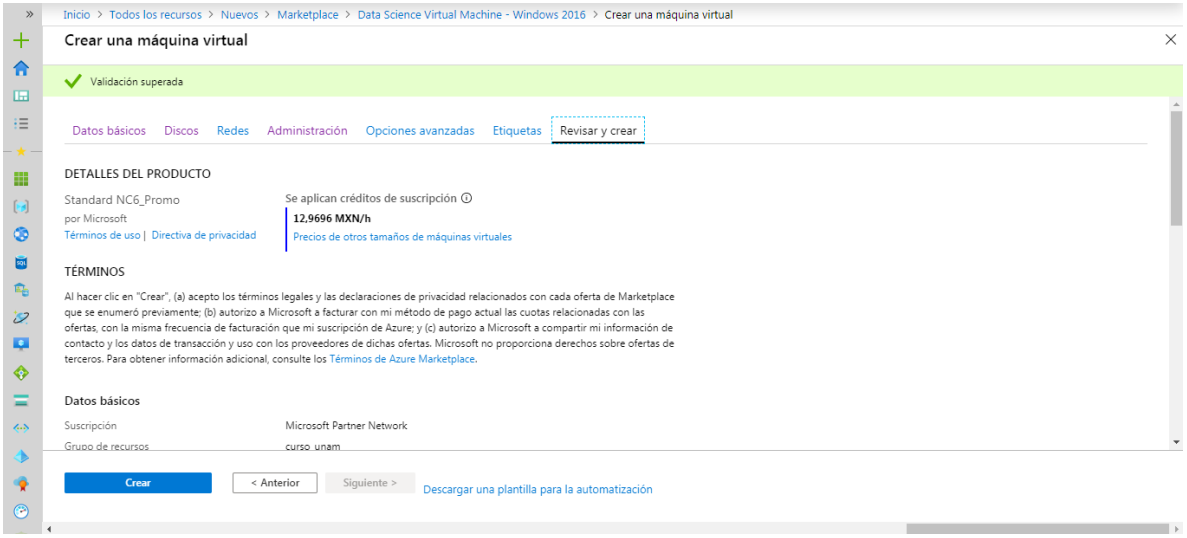
Enter the resource group that you have created, the virtual machine name and a NC6 for the machine size (includes gpu)



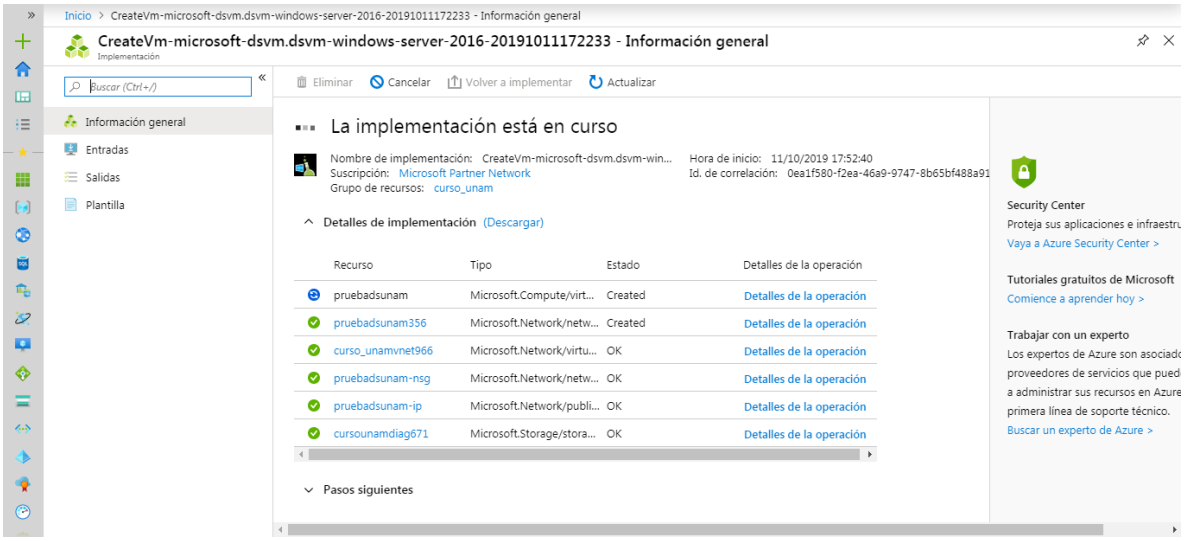
Enter the VM user name and password



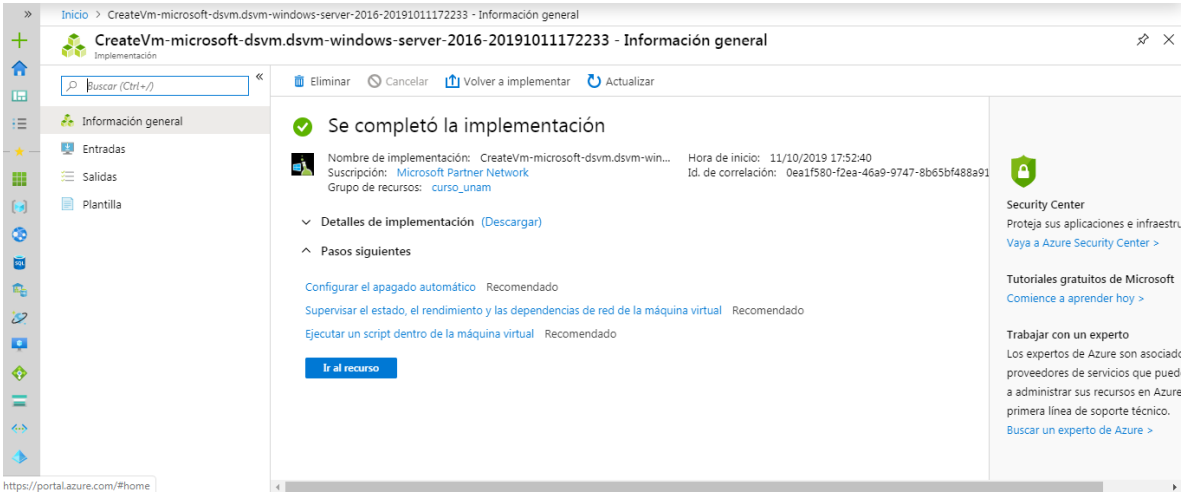
Click on the las tb to review and press the create button to finish creating the VM



Azure starts creating all the elements needed for the virtual machine and it informs you wherever it finishes its creation.



Click on the “go to resource” button



Exeture Remote Desktop Connection.

Enter User name & password