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there are many cuda code samples included as part of the cuda toolkit to help you get started on the path of writing software with cuda c c the code samples covers a wide range of applications and techniques including simple techniques demonstrating basic approaches to gpu computing best practices for the most important features

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the vast majority of these code examples can be compiled quite easily by using nvidia s cuda compiler driver nvcc to compile a typical example say example cu you will simply need to execute nvcc example cu the compilation will produce an executable a exe on windows and a out on linux

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in november 2006 nvidia introduced cuda a general purpose parallel computing platform and programming model that leverages the parallel compute engine in nvidia gpus to solve many complex computational problems in a more efficient way than on a cpu

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this repository provides state of the art deep learning examples that are easy to train and deploy achieving the best reproducible accuracy and performance with nvidia cuda x software stack running on nvidia volta turing and ampere gpus

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tags layers security scanning related collections cuda samples this is a collection of containers to run cuda workloads on the gpus the collection includes containerized cuda samples for example vectoradd to demonstrate vector addition nbody or gravitational n body simulation and other examples

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tesla for example is using 35 000 h100 chips to help train models for autonomous driving she said nvidia will soon begin to ship a powerful successor to the h100 code named blackwell which

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