

GTE001: GT_CUDA_SRC env variable not set.

This error occurs when the gpu feature is enabled and gt-cuda can't locate the install path of cuda. To fix, export your the environment variable GT_CUDA_SRC in your ~/.bashrc. For an in-depth guide on Cuda setup for gT, see [cuda_setup.pdf](#) in the docs.

GTE002: Cuda Initialization Failed.

The cuda driver failed to initialize on `cuInit()`. This occurs when your GPU does not have a valid driver.

GTE003: Failed to get cuda device count during initialization.

The cuda driver successfully initialized, but the subsequent call to `cuDeviceGetCount` failed. Not sure why this would happen. Try updating drivers.

GTE004: Failed to get cuda device during initialization.

The cuda driver successfully initialized, but the subsequent call to `cuDeviceGet` failed. Not sure why this would happen. Try updating drivers.

GTE005: Failed to get cuda device attribute.

The cuda driver successfully initialized, but the subsequent call to `cuDeviceGetAttribute` failed. Try updating drivers.

GTE006: Gpu Invalid Ordinal

This error occurs when you call `Gpu::new()` for a device ordinal that does not exist. Try using `Gpu::strongest()` instead.

GTE007: Failed to create Gpu Context.

This error occurs when the call to `cuCtxCreate` fails when creating a new Gpu context through `Gpu::new`.

GTE008: Failed to bind to thread.

This error occurs when the call to `cuCtxSetCurrent` fails. This binds the Gpu object to the calling thread.

GTE009: No Devices Found.

You tried to create a Gpu, but no devices were found.

GTE010: Failed to compile cuda program.