

clGetPlatformIDs

Obtain the list of platforms available.

```
cl_int clGetPlatformIDs(cl_uint num_entries,  
                        cl_platform_id *platforms,  
                        cl_uint *num_platforms)
```

Parameters

num_entries

The number of *cl_platform_id* entries that can be added to *platforms*. If *platforms* is not NULL, the *num_entries* must be greater than zero.

platforms

Returns a list of OpenCL platforms found. The *cl_platform_id* values returned in *platforms* can be used to identify a specific OpenCL platform. If *platforms* argument is NULL, this argument is ignored. The number of OpenCL platforms returned is the minimum of the value specified by *num_entries* or the number of OpenCL platforms available.

num_platforms

Returns the number of OpenCL platforms available. If *num_platforms* is NULL, this argument is ignored.

Errors

Returns CL_SUCCESS if the function is executed successfully. Otherwise it returns CL_INVALID_VALUE if *num_entries* is equal to zero and *platforms* is not NULL, or if both *num_platforms* and *platforms* are NULL.

Specification

 [OpenCL Specification](#)

Also see

[clGetPlatformInfo](#), [clGetDeviceInfo](#)

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