

Unified memory

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Unified Memory creates a pool of managed memory, where each allocation from this memory pool is accessible on both the CPU and GPU with the same memory address or pointer.

Managed memory

Unified Memory allocations that are automatically managed by the underlying system and is interoperable with device-specific allocations, such as those created using the cudaMalloc routine

```
__device__ __managed__ int y ;
```

```
cudaMallocManaged( void ** devPtr, size_t size,  
                    unsigned int  
flags=0 );
```