

# torch.Storage

A `torch._TypedStorage` is a contiguous, one-dimensional array of elements of a particular `torch.dtype`. It can be given any `torch.dtype`, and the internal data will be interpreted appropriately.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 4); [backlink](#)**

Unknown interpreted text role "class".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 4); [backlink](#)**

Unknown interpreted text role "class".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 4); [backlink](#)**

Unknown interpreted text role "class".

Every strided `torch.Tensor` contains a `torch._TypedStorage`, which stores all of the data that the `torch.Tensor` views.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 8); [backlink](#)**

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**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 8); [backlink](#)**

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**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 8); [backlink](#)**

Unknown interpreted text role "class".

For backward compatibility, there are also `torch.<type>Storage` classes (like `torch.FloatTensor`, `torch.IntStorage`, etc). These classes are not actually instantiated, and calling their constructors creates a `torch._TypedStorage` with the appropriate `torch.dtype`. `torch.<type>Storage` classes have all of the same class methods that `torch._TypedStorage` has.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 11); [backlink](#)**

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Unknown interpreted text role "class".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 11); [backlink](#)**

Unknown interpreted text role "class".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master [docs] [source] storage.rst, line 11); [backlink](#)**

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 11); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 11); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 11); [backlink](#)

Unknown interpreted text role "class".

Also for backward compatibility, `:class:`torch.Storage`` is an alias for the storage class that corresponds with the default data type (`:func:`torch.get_default_dtype()``). For instance, if the default data type is `:attr:`torch.float``, `:class:`torch.Storage`` resolves to `:class:`torch.FloatTensor``.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 18); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 18); [backlink](#)

Unknown interpreted text role "func".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 18); [backlink](#)

Unknown interpreted text role "attr".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 18); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 18); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 25)

Unknown directive type "autoclass".

```
.. autoclass:: torch._TypedStorage
   :members:
   :undoc-members:
   :inherited-members:
```

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 30)

Unknown directive type "autoclass".

```
.. autoclass:: torch.DoubleStorage
   :members:
   :undoc-members:
```

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 34)

Unknown directive type "autoclass".

```
.. autoclass:: torch.FloatStorage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.HalfStorage
   :members:
   :undoc-members:
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 42)**

Unknown directive type "autoclass".

```
.. autoclass:: torch.LongStorage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.IntStorage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.ShortStorage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.CharStorage
   :members:
   :undoc-members:
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 58)**

Unknown directive type "autoclass".

```
.. autoclass:: torch.ByteStorage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.BoolStorage
   :members:
```

```
:undoc-members:
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 66)**

Unknown directive type "autoclass".

```
.. autoclass:: torch.BFloat16Storage
   :members:
   :undoc-members:
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 70)**

Unknown directive type "autoclass".

```
.. autoclass:: torch.ComplexDoubleStorage
   :members:
   :undoc-members:
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 74)**

Unknown directive type "autoclass".

```
.. autoclass:: torch.ComplexFloatStorage
   :members:
   :undoc-members:
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source] storage.rst, line 78)**

Unknown directive type "autoclass".

```
.. autoclass:: torch.QUInt8Storage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.QInt8Storage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.QInt32Storage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.QUInt4x2Storage
   :members:
   :undoc-members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: torch.QUInt2x4Storage
   :members:
   :undoc-members:
```