

# Rendezvous

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 6)**

Unknown directive type "automodule".

```
.. automodule:: torch.distributed.elastic.rendezvous
```

Below is a state diagram describing how rendezvous works.



## Registry

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 15)**

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousParameters
   :members:
```

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

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousHandlerRegistry
   :members:
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 21)**

Unknown directive type "automodule".

```
.. automodule:: torch.distributed.elastic.rendezvous.registry
```

## Handler

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 26)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.distributed.elastic.rendezvous
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 28)**

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousHandler
   :members:
```

## Exceptions

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 33)**

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousError
```

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

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousClosedError
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 35)**

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousTimeoutError
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 36)**

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousConnectionError
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 37)**

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousStateError
```

## Implementations

### Dynamic Rendezvous

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 45)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.distributed.elastic.rendezvous.dynamic_rendezvous
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 47)**

Unknown directive type "autofunction".

```
.. autofunction:: create_handler
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 49)**

Unknown directive type "autoclass".

```
.. autoclass:: DynamicRendezvousHandler()  
:members: from_backend
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 52)**

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousBackend  
:members:
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 55)**

Unknown directive type "autoclass".

```
.. autoclass:: RendezvousTimeout
   :members:
```

## C10d Backend

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 61)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.distributed.elastic.rendezvous.c10d_rendezvous_backend
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 63)**

Unknown directive type "autofunction".

```
.. autofunction:: create_backend
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 65)**

Unknown directive type "autoclass".

```
.. autoclass:: C10dRendezvousBackend
   :members:
```

## Etd Backend

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 71)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.distributed.elastic.rendezvous.etcd_rendezvous_backend
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 73)**

Unknown directive type "autofunction".

```
.. autofunction:: create_backend
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 75)**

Unknown directive type "autoclass".

```
.. autoclass:: EtdRendezvousBackend
   :members:
```

## Etd Rendezvous (Legacy)

### Warning

The `DynamicRendezvousHandler` class supersedes the `EtdRendezvousHandler` class, and is recommended for most users. `EtdRendezvousHandler` is in maintenance mode and will be deprecated in the future.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 86)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.distributed.elastic.rendezvous.etcd_rendezvous
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 88)**

Unknown directive type "autoclass".

```
.. autoclass:: EtcdRendezvousHandler
```

## Etcd Store

The `EtcdStore` is the `C10dStore` instance type returned by `next_rendezvous()` when `etcd` is used as the rendezvous backend.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 96)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.distributed.elastic.rendezvous.etcd_store
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 98)**

Unknown directive type "autoclass".

```
.. autoclass:: EtcdStore
   :members:
```

## Etcd Server

The `EtcdServer` is a convenience class that makes it easy for you to start and stop an `etcd` server on a subprocess. This is useful for testing or single-node (multi-worker) deployments where manually setting up an `etcd` server on the side is cumbersome.

### Warning

For production and multi-node deployments please consider properly deploying a highly available `etcd` server as this is the single point of failure for your distributed jobs.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 113)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.distributed.elastic.rendezvous.etcd_server
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic] rendezvous.rst, line 115)**

Unknown directive type "autoclass".

```
.. autoclass:: EtcdServer
```