

Expiration Timers

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\[pytorch-master] [docs] [source] [elastic]timer.rst, line 4)

Unknown directive type "automodule".

```
.. automodule:: torch.distributed.elastic.timer
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\[pytorch-master] [docs] [source] [elastic]timer.rst, line 5)

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.distributed.elastic.timer
```

Client Methods

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\[pytorch-master] [docs] [source] [elastic]timer.rst, line 9)

Unknown directive type "autofunction".

```
.. autofunction:: torch.distributed.elastic.timer.configure
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\[pytorch-master] [docs] [source] [elastic]timer.rst, line 11)

Unknown directive type "autofunction".

```
.. autofunction:: torch.distributed.elastic.timer.expires
```

Server/Client Implementations

Below are the timer server and client pairs that are provided by torchelastic.

Note

Timer server and clients always have to be implemented and used in pairs since there is a messaging protocol between the server and client.

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

Unknown directive type "autoclass".

```
.. autoclass:: LocalTimerServer
```

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Unknown directive type "autoclass".

```
.. autoclass:: LocalTimerClient
```

Writing a custom timer server/client

To write your own timer server and client extend the `torch.distributed.elastic.timer.TimerServer` for the server and `torch.distributed.elastic.timer.TimerClient` for the client. The `TimerRequest` object is used to pass messages between the server and client.

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

Unknown directive type "autoclass".

```
.. autoclass:: TimerRequest
   :members:
```

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

Unknown directive type "autoclass".

```
.. autoclass:: TimerServer
   :members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\pytorch-master [docs] [source] [elastic]timer.rst, line 40)

Unknown directive type "autoclass".

```
.. autoclass:: TimerClient
   :members:
```