Elastic Agent

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Unknown directive type "automodule".

.. automodule:: torch.distributed.elastic.agent

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

Unknown directive type "currentmodule".

.. currentmodule:: torch.distributed.elastic.agent

Server

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\(pytorch-master) (docs) (source) (elastic) agent.rst, line 10)

Unknown directive type "automodule".

.. automodule:: torch.distributed.elastic.agent.server

Below is a diagram of an agent that manages a local group of workers.

Concepts

This section describes the high-level classes and concepts that are relevant to understanding the role of the agent in torchelastic.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\(pytorch-master) (docs) (source) (elastic) agent.rst, line 22)

Unknown directive type "currentmodule".

.. currentmodule:: torch.distributed.elastic.agent.server

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\(pytorch-master) (docs) (source) (elastic) agent.rst, line 24)

Unknown directive type "autoclass".

```
.. autoclass:: ElasticAgent
:members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: WorkerSpec
:members:
```

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Unknown directive type "autoclass".

```
.. autoclass:: WorkerState
:members:
```

```
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Unknown directive type "autoclass".

.. autoclass:: Worker
:members:
```

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

Unknown directive type "autoclass".

.. autoclass:: WorkerGroup
:members:
```

Implementations

Below are the agent implementations provided by torchelastic.

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\(pytorch-master) (docs) (source) (elastic) agent.rst, line 44)

Unknown directive type "currentmodule".
```

```
.. currentmodule:: torch.distributed.elastic.agent.server.local_elastic_agent
```

Unknown directive type "autoclass".

.. autoclass:: LocalElasticAgent

Extending the Agent

To extend the agent you can implement `ElasticAgent directly, however we recommend you extend SimpleElasticAgent instead, which provides most of the scaffolding and leaves you with a few specific abstract methods to implement.

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\elastic\(pytorch-master\) (docs) (source) (elastic) agent.rst, line 56)

Unknown directive type "currentmodule".

... currentmodule:: torch.distributed.elastic.agent.server
```

 $System\,Message: ERROR/3~(\texttt{D:}\colored) resources \end{colored} naster\colored) (\texttt{docs})~(\texttt{source})~(\texttt{docs})~(\texttt{source})~(\texttt{docs})~(\texttt{source})~(\texttt{docs})~(\texttt{source})~(\texttt{docs})~(\texttt{doc$

Unknown directive type "autoclass".

```
.. autoclass:: SimpleElasticAgent
:members:
:private-members:
```

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Unknown directive type "autoclass".

.. autoclass:: torch.distributed.elastic.agent.server.api.RunResult