

## How to change the heapsize of Tez container

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### Title

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### Details

**Env:** Hive-2.1 + Tez-0.8

**Problem:** If you meet OOM issues on Tez, you need to increase the heapsize of Tez containers.

### Solution:

- **Application Master Container**

You need to set `tez.am.resource.memory.mb` (default 1024MB).

You cannot change it on Hive Cli because the Tez AM was already generated.

### Example:

```
<property>
  <name>tez.am.resource.memory.mb</name>
  <value>2048</value>
</property>
```

Set it in `hive-site.xml` or `tez-site.xml`.

Or add `"-hiveconf tez.am.resource.memory.mb=****"`.

- **Tez Container**

You need to set [hive.tez.container.size](http://hive.tez.container.size) (<http://hive.tez.container.size>) (default `mapreduce.map.memory.mb`).

### Example:

```
hive> set hive.tez.container.size=3072 (http://hive.tez.container.size=3072)
```

Xmx value in `hive.tez.java.opts`(default `mapreduce.map.java.opts`) is automatically set as 80% of `hive.tez.container.size`.

If you set `mapreduce.map.memory.mb` instead of [hive.tez.container.size](http://hive.tez.container.size) (<http://hive.tez.container.size>), you need to set also `mapreduce.map.java.opts` because it's not automatically set.

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