

Turbine4 Turbine4.0

T U R B I N E 4.0

4.0M2 -> 4.0

Major changes

- in general cft. [Changes Report Turbine 4.0](#)
- The turbine-classic-pipeline.xml expects now nested pipeline/valves/valve elements:

```
<pipeline>
  <valves>
    <valve>org.apache.turbine.pipeline.DetermineActionValve</valve>
    <valve> ....
    ....
  </valves>
</pipeline>
```

- If you need a custom wrapper (by default `o.a.t.om-security.DefaultUserImpl` class) you may add in `TR.properties`

```
services.SecurityService.wrapper.class=your.custom.package.Class
```

- Find related discussion and howtos also in section 4.0M2 -> 4.0 on page [Turbine 4.0 Milestone 2](#)