



# Best Practices

## Debug Platform Symphony Java Service

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## Debug Platform Symphony Java services

This document introduces tips for Java developers who may want to debug their Java services..

### *Tips for quick setup*

1. In the application profile, find the startCmd.

```
<Service name="xxxService" description="The Symping Service">
  <osTypes>
    <osType name="all"
      startCmd="xxx/bin/xxxjavaservice.sh"
      workDir="${SOAM_HOME}/work">
    </osType>
  </osTypes>
</Service>
```

2. Add the Java debug port:

```
-Xdebug -Xrunjdp:transport=dt_socket,address=6666,server=y,suspend=y
```

3. Use JDB or Eclipse to debug the Java process.

JDB:

```
jdb -connect com.sun.jdi.SocketAttach:hostname=<hostname>,port=6666
```

Eclipse:

```
run-> debug configuration-> remote java application
```

4. Set the debug port to suspend=y for Symphony prestart case; otherwise, the service start up code cannot be debugged.

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