End-to-End Build

Team Development

Remote Server

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Fetch Source Code

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Compile the Code

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Team Development

CVS Fetch Source Code

COMPILER Compile the Code

JUnit Test the Code

Remote Server

End-to-End Build

Team Development

CVS · Fetch Source Code

COMPILER · Compile the Code

JUnit · Test the Code

WAR · Archive the Code

Remote Server

End-to-End Build

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Deploy

Remote Server

End-to-End Build

Team Development

Fetch Source Code

Compile the Code

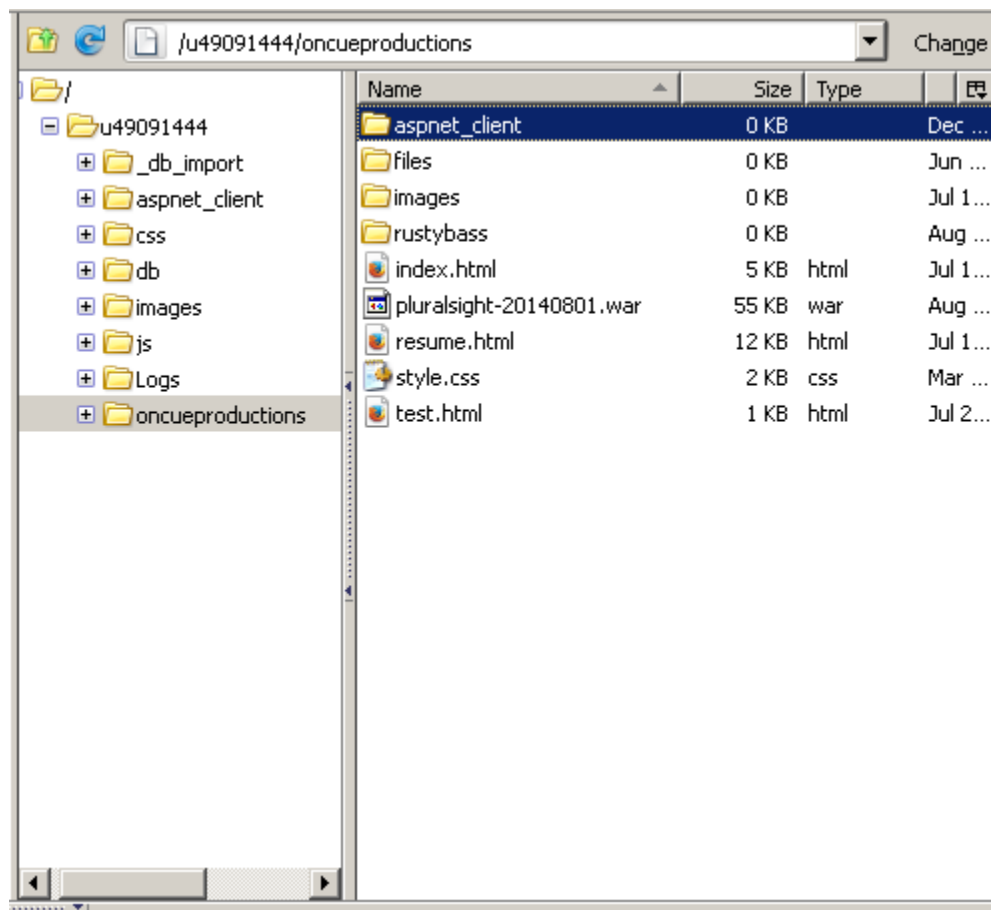Test the Code

Archive the Code

Deploy

Send Reports

Remote Server

End-to-End Build

- **Init – initialize properties**

- **Record – log the entire process**

- **Prepare – create build and report directories**

- **Fetch the source code**

- **Compile the code**

- **Test with JUnit**

- **Build a WAR file**

- **Deploy – FTP to the remote server**

- **Send Mail – zip up reports and email**
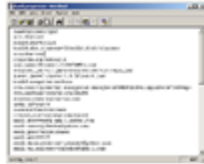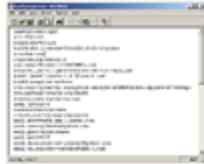
Remote Directory

Summary

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```
<property file="build.properties" />
```

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<property file="build.properties" />

**<record name="${name}"
action="start"
append="false" />**

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```



```
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        action="start"
        append="false" />
```



```
<mail mailhost="${mail.host}"
      user="${mail.user}"
      password="${mail.pass}"
      subject="${message.title}">
<message>Hello World!</message>
</mail>
```

Summary


```
<property file="build.properties" />
```



```
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        append="false" />
```
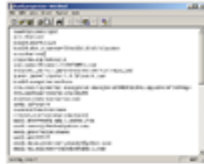


```
<mail mailhost="${mail.host}"
      user="${mail.user}"
      password="${mail.pass}"
      subject="${message.title}">
<message>Hello World!</message>
</mail>
```



```
<cvs cvsRoot="${cvs.root}"
     package="${cvs.package}"
     dest="${src.dir}" />
```

Summary

`<property file="build.properties" />`


```
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<mail mailhost="${mail.host}"
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```



```
<cvs cvsRoot="${cvs.root}"
     package="${cvs.package}"
     dest="${src.dir}" />
```



```
<javac srcdir="${src.dir}"
       destdir="${build.dir}"
       debug="on" />
```

Summary

JUnit

```
<junit printsummary="yes"
       haltonfailure="yes"
       showoutput="yes">
<batchtest fork="yes" todir="${reports.dir}">
    <fileset dir="${src.dir}">
        <include name="**/*Test*.java"/>
    </fileset>
</junit>
```

Summary

JUnit

```
<junit printsummary="yes"
       haltonfailure="yes"
       showoutput="yes">
<batchtest fork="yes" todir="${reports.dir}">
    <fileset dir="${src.dir}">
        <include name="**/*Test*.java"/>
    </fileset>
</junit>
```

WAR

```
<war destfile="${build.dir}/${war.name}"
    <classes dir="${build.dir.classes}">
        <include name="**/*.class"/>
    </classes>
</war>
```

Summary

JUnit

```
<junit printsummary="yes"
       haltonfailure="yes"
       showoutput="yes">
<batchtest fork="yes" todir="${reports.dir}">
    <fileset dir="${src.dir}">
        <include name="**/*Test*.java"/>
    </fileset>
</junit>
```

WAR

```
<war destfile="${build.dir}/${war.name}"
    <classes dir="${build.dir.classes}">
        <include name="**/*.class"/>
    </classes>
</war>
```

FTP

```
<ftp server="${server.name}"
    remotedir="${remote.dir}"
    userid="${user.id}"
    password="${password}"
    <fileset dir="${build.dir}">
        <include name="${war.name}"/>
    </fileset>
</ftp>
```

Summary