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Read a text file from Java classpath

Posted on [October 9, 2015](#) by [Arulkumaran Kumaraswamipillai](#)

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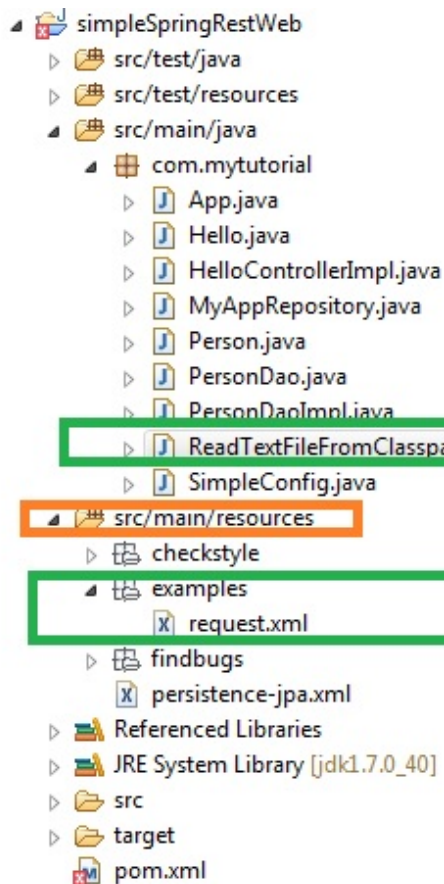
File to read: src/main/resources/examples/request.xml

```
1 <employee>
2   <name>Peter Smith</name>
3   <age>25</age>
4 </employee>
```

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1. Using Java API without any libraries

```

1 package com.mytutorial;
2
3 import java.io.BufferedReader;
4 import java.io.IOException;
5 import java.io.InputStream;
6 import java.io.InputStreamReader;
7
8
9 public class ReadTextFileFromClasspath {
10
11     public static void main(String[] args) throws
12         IOException {
13         InputStream is = ReadTextFileFromClasspath.class.getResourceAsStream("/request.xml");
14         InputStreamReader isr = new InputStreamReader(is);
15         BufferedReader br = new BufferedReader(isr);
16         String read = br.readLine();
17
18         while(read != null) {
19             sb.append(read);
20             read = br.readLine();
21             sb.append("\n");
22         }
23
24         System.out.println(sb.toString());
25     }
26 }

```

You can also use the “ClassLoader”

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```

1 ClassLoader loader = Thread.currentThread().getCo
2 InputStream is = loader.getResourceAsStream("exam

```

2. Using Java 7 NIO

```

1 package com.mytutorial;
2
3 import java.io.IOException;
4 import java.net.URISyntaxException;
5 import java.nio.charset.Charset;
6 import java.nio.file.Files;
7 import java.nio.file.Paths;
8 import java.util.List;
9
10
11 public class ReadTextFileFromClasspath {
12
13     public static void main(String[] args) throw
14
15         List<String> readLines = Files.readAllLi
16         Paths.get(ReadTextFileFromClasspath.
17
18         System.out.println(readLines);
19     }
20 }

```

3. Using Apache commons-io library

```

1 package com.mytutorial;
2
3 import java.io.IOException;
4 import java.io.InputStream;
5
6 import org.apache.commons.io.IOUtils;
7
8 public class ReadTextFileFromClasspath {
9
10     public static void main(String[] args) throw
11         InputStream is = ReadTextFileFromClasspa
12         String str = IOUtils.toString(is, "UTF-8
13         System.out.println(str);
14     }
15 }

```

4. Using Spring library

```

1 package com.mytutorial;
2
3 import java.io.IOException;
4 import java.net.URL;
5
6 import org.apache.commons.io.IOUtils;
7 import org.springframework.util.ResourceUtils;
8

```

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```

9 public class ReadTextFileFromClasspath {
10
11     public static void main(String[] args) throw
12         final URL url = ResourceUtils.getURL("cl
13         String str = IOUtils.toString(url);
14
15         System.out.println(str);
16     }
17 }

```

5. Using Java 8 API

```

1 package com.mytutorial;
2
3 import java.io.IOException;
4 import java.nio.charset.Charset;
5 import java.nio.file.Files;
6 import java.nio.file.Paths;
7 import java.util.stream.Stream;
8
9
10 public class ReadTextFileFromClasspath {
11
12     public static void main(String[] args) throw
13         Stream<String> stream = Files.lines(Path
14         stream.forEach(System.out::println);
15     }
16 }

```

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