

# 64 ( Base64 )

- description : 64 ( Base64 )
- author :
- email : shlim@repia.com
- lastupdate : 2022-05-11 Wed

# 64 ( Base64 )

1.

Apps.repia.com > R-Utils > Crypto - select box - Base64

2.

Appsportal > CryptoServiceImpl.java

## 2.1 Base64

## Import

```
import org.apache.commons.codec.binary.Base64
```

### 2.1.1 Ref Link

[org.apache.commons.codec.binary - Class Base64](https://commons.apache.org/codec/api/org/apache/commons/codec/binary/Base64.html)

3.1

- A ( ) : (html )
- B ( ) : Crypto-Base64 Decryption( )
- C ( ) : B Crypto-Base64 Encryption( )
- D ( ) : [Base64 Decode and Encode](#) A
- E ( ) : [Base64 Decode and Encode](#) D

: html , A E , C가

### Example

### Crypto-Base64

```

: <head>
encryptInptFld : &lt;head&gt; // F ( Crypto &
)
encryptRsltFls : Jmx002hLYWQmZ3Q7 // G (F Base64가 )

```

```

: <head>
: PGhLYWQ+

```

### 3.2

#### 3.2.1

```

else if("base64".equals(cryptoV0.getCryptoMethod())) { // Base64 (binary-
to-text encoding schemes)
    if(cryptoV0.getEncryptInptFld()!=null) { // encryption(
)

        byte[] encryptInputByte =
cryptoV0.getEncryptInptFld().getBytes("UTF-8"); // encryption
charset=UTF-8 byte encryptInputByte
resultData.setEncryptRsltFld(Base64.encodeBase64String(encryptInputByte));
// UTF-8 encryptInputByte Base64
    }
    else if(cryptoV0.getDecryptInptFld()!=null) {
        String decodeStr = new
String(Base64.decodeBase64(cryptoV0.getDecryptInptFld()), "UTF-8"); //
Base64 UTF-8 String decodeStr
        resultData.setDecryptRsltFld(decodeStr);
    }
}
}

```

## 3.2.2 1

```

else if("base64".equals(cryptoV0.getCryptoMethod())) {
    if(cryptoV0.getEncryptInptFld()!=null) {

        byte[] encryptInputByte =
StringEscapeUtils.unescapeHtml(cryptoV0.getEncryptInptFld()).getBytes("UTF-8
");
        // 1          - "<"가 "&lt;"
StringEscapeUtils.unescapeHtml
resultData.setEncryptRsltFld(Base64.encodeBase64String(encryptInputByte));
    }
    else if(cryptoV0.getDecryptInptFld()!=null) {
        String decodeStr = new
String(Base64.decodeBase64(cryptoV0.getDecryptInptFld()), "UTF-8");
        resultData.setDecryptRsltFld(decodeStr);
    }
}
}

```

## 3.2.3 2

cryptoVo.getEncryptInptFld()  
가 , 2.3.1

```

...
/*          '<' -> '&lt;';' -> '<' */

if(StringUtils.isEmpty(cryptoV0.getEncryptInptFld())){ // 가
    String unEscapeInputField =
StringEscapeUtils.unescapeHtml(cryptoV0.getEncryptInptFld());
    cryptoV0.setEncryptInptFld(unEscapeInputField);

    log.info("[{}]/[{}]/[{}]", cryptoV0.getEncryptInptFld(),
StringEscapeUtils.escapeHtml(cryptoV0.getEncryptInptFld()),
StringEscapeUtils.unescapeHtml(cryptoV0.getEncryptInptFld()));
}
...
...
...
else if("base64".equals(cryptoV0.getCryptoMethod())) {
    if(cryptoV0.getEncryptInptFld()!=null) {

        byte[] encryptInputByte =
cryptoV0.getEncryptInptFld().getBytes("UTF-8");
resultData.setEncryptRsltFld(Base64.encodeBase64String(encryptInputByte));
    }
    else if(cryptoV0.getDecryptInptFld()!=null) {

```

```
String decodeStr = new
String(Base64.decodeBase64(cryptoV0.getDecryptInptFld()), "UTF-8");
    resultData.setDecryptRsltFld(decodeStr);
}
}
```

### 3.2

Crypto-unescapeHtml Decrypt Text

Decrypt Text



Decrypt Text



input Text &lt;p&gt;MyName&lt;/p&gt; →  
&amp;lt;p&amp;gt;MyName&amp;lt;/p&amp;gt;

#### 3.2.1 -

```
<!-- Input Encrypted ID or Password field -->
<label for="decryptInptText" class="decryptInptTtl">Input Text</label>
<input id="decryptInptText" class="decryptInptFld" name="decryptInptFld"
type="text" placeholder=" ID Password " value="<c:out
value="\${inputParam.decryptInptFld}" />/>
```

```
<!-- Input Encrypted ID or Password field -->
<label for="decryptInptText" class="decryptInptTtl">Input Text</label>
<input id="decryptInptText" class="decryptInptFld" name="decryptInptFld"
type="text" placeholder=" ID Password " value="<c:out
value="\${inputParam.decryptInptFld}" escapeXml="false"/>/>
```

Decrypt Text



input Text &lt;p&gt;MyName&lt;/p&gt;

### Ref Link

[\[JSTL\] Tag가 jsp](#) , [escapeXml](#)  
[JSTL Core - Tag out](#)

JSTL Core - Tag out     **escapeXml**

Determines whether characters <, >, &, ' , " in the resulting string should be converted to their corresponding character entity codes. Default value is true.

                                         <, >, &, ' , "  
true

., [base64](#)

From: <http://rwiki.repia.com/> - . - 2023.12

Permanent link: <http://rwiki.repia.com/doku.php?id=wiki:miscellaneous:base64&rev=1652309995> 

Last update: **2022/05/12 07:59**