

svn.adito.adito.trunk.adito.src.com.adito.security.pki.SimpleASNWriter.java - svn.adito.adito.trunk.maverick-util.src.com.maverick.util.SimpleASNWriter.java

```

1
2      /*
3  *   Adito
4  *
5  *   Copyright (C) 2003-2006 3SP LTD. All Rights Reserved
6  *
7  *   This program is free software; you can redistribute it and/or
8  *   modify it under the terms of the GNU General Public License
9  *   as published by the Free Software Foundation; either version 2 of
10  *   the License, or (at your option) any later version.
11  *   This program is distributed in the hope that it will be useful,
12  *   but WITHOUT ANY WARRANTY; without even the implied warranty of
13  *   MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
14  *   GNU General Public License for more details.
15  *
16  *   You should have received a copy of the GNU General Public
17  *   License along with this program; if not, write to the Free Software
18  *   Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
19  */
20
21 package com.adito.security.pki;
22
23 import java.io.ByteArrayOutputStream;
24
25
26 /**
27  *
28  *
29  * @author $author$
30  */
31 public class SimpleASNWriter {
32     private ByteArrayOutputStream data;
33
34     /**
35      * Creates a new SimpleASNWriter object.
36      */
37     public SimpleASNWriter() {
38         this.data = new ByteArrayOutputStream();
39     }
40
41     /**
42      *
43      *
44      * @param b
45      */
46     public void writeByte(int b) {
47         data.write(b);

```

```

1
2      /*
3  *   Adito
4  *
5  *   Copyright (C) 2003-2006 3SP LTD. All Rights Reserved
6  *
7  *   This program is free software; you can redistribute it and/or
8  *   modify it under the terms of the GNU General Public License
9  *   as published by the Free Software Foundation; either version 2 of
10  *   the License, or (at your option) any later version.
11  *   This program is distributed in the hope that it will be useful,
12  *   but WITHOUT ANY WARRANTY; without even the implied warranty of
13  *   MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
14  *   GNU General Public License for more details.
15  *
16  *   You should have received a copy of the GNU General Public
17  *   License along with this program; if not, write to the Free Software
18  *   Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
19  */
20
21 package com.maverick.util;
22
23 import java.io.ByteArrayOutputStream;
24
25
26 /**
27  *
28  *
29  * @author $author$
30  */
31 public class SimpleASNWriter {
32     private ByteArrayOutputStream data;
33
34     /**
35      * Creates a new SimpleASNWriter object.
36      */
37     public SimpleASNWriter() {
38         this.data = new ByteArrayOutputStream();
39     }
40
41     /**
42      *
43      *
44      * @param b
45      */
46     public void writeByte(int b) {
47         data.write(b);
48

```

svn.adito.adito.trunk.adito.src.com.adito.security.pki.SimpleASNWriter.java - svn.adito.adito.trunk.maverick-util.src.com.maverick.util.SimpleASNWriter.java

```

48 }
49
50 /**
51 *
52 * @param b
53 */
54 public void writeData(byte[] b) {
55     writeLength(b.length);
56     this.data.write(b, 0, b.length);
57 }
58
59 /**
60 *
61 *
62 * @param length
63 */
64 public void writeLength(int length) {
65     if (length < 0x80) {
66         data.write(length);
67     }
68     else {
69         if (length < 0x100) {
70             data.write(0x81);
71             data.write(length);
72         }
73         else if (length < 0x10000) {
74             data.write(0x82);
75             data.write(length >>> 8);
76             data.write(length);
77         }
78         else if (length < 0x1000000) {
79             data.write(0x83);
80             data.write(length >>> 16);
81             data.write(length >>> 8);
82             data.write(length);
83         }
84         else {
85             data.write(0x84);
86             data.write(length >>> 24);
87             data.write(length >>> 16);
88             data.write(length >>> 8);
89             data.write(length);
90         }
91     }
92 }
93
94 /**
95 *
96 *
97 * @return
98 */
99 public byte[] toByteArray() {
100     return data.toByteArray();
101 }

```

svn. adito. adito. trunk. adito. src. com. adito. security. pki. SimpleASNWriter. java - svn. adito. adito. trunk. maverick-util. src. com. maverick. util. SimpleASNWriter. java

```
71     data.write(length);
72 } else if (length < 0x10000) {
73     data.write(0x82);
74     data.write(length >>> 8);
75     data.write(length);
76 } else if (length < 0x1000000) {
77     data.write(0x83);
78     data.write(length >>> 16);
79     data.write(length >>> 8);
80     data.write(length);
81 } else {
82     data.write(0x84);
83     data.write(length >>> 24);
84     data.write(length >>> 16);
85     data.write(length >>> 8);
86     data.write(length);
87 }
88 }
89 }
90
91 /**
92  *
93  *
94  * @return
95  */
96 public byte[] toByteArray() {
97     return data.toByteArray();
98 }
99 }
100
```

```
102}
103
```