

besu / besu / src / main / java / org / hyperledger / besu / cli / options
/ NativeLibraryOptions.java



jflo IntelliJ do not fail me (#7855) ✓

03a2b92 · 6 months ago



105 lines (93 lo...

```
1  /*
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12  */
```

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Code

Blame

Raw



```
17  import org.hyperledger.besu.cli.CommandLine;
18
19  /** The Native library CLI options. */
20  public class NativeLibraryOptions {
21
22      @CommandLine.Option(
23          hidden = true,
24          names = {"--Xsecp-native-enabled", "--Xsecp256k1-native-enabled"},
25          description =
26              "Per default a native library is used for the signature algorithm. "
27              + "If the Java implementation should be used instead, this option must be set to false",
28          arity = "1")
29      private final Boolean nativeSecp = Boolean.TRUE;
30
31      @CommandLine.Option(
32          hidden = true,
33          names = {"--Xaltbn128-native-enabled"},
34          description =
35              "Per default a native library is used for altbn128. "
36              + "If the Java implementation should be used instead, this option must be set to false",
37          arity = "1")
38      private final Boolean nativeAltbn128 = Boolean.TRUE;
```

```

36         + "If the Java implementation should be used instead, this option must be set to f
37         arity = "1")
38     private final Boolean nativeAltbn128 = Boolean.TRUE;
39
40     @CommandLine.Option(
41         hidden = true,
42         names = {"--Xblake2bf-native-enabled"},
43         description =
44             "Per default a native library is used for blake2bf if present. "
45             + "If the Java implementation should be used instead, this option must be set to f
46         arity = "1")
47     private final Boolean nativeBlake2bf = Boolean.TRUE;
48
49     @CommandLine.Option(
50         hidden = true,
51         names = {"--Xmodexp-native-enabled"},
52         description =
53             "Per default a native library is used for modexp. "
54             + "If the Java implementation should be used instead, this option must be set to f
55         arity = "1")
56     private final Boolean nativeModExp = Boolean.TRUE;
57
58     /** Default constructor. */
59     NativeLibraryOptions() {}
60
61     /**
62      * Create native library options.
63      *
64      * @return the native library options
65      */
66     public static NativeLibraryOptions create() {
67         return new NativeLibraryOptions();
68     }
69
70     /**
71      * Whether native secp is enabled.
72      *
73      * @return true if enabled, false otherwise.
74      */
75     public Boolean getNativeSecp() {
76         return nativeSecp;
77     }
78
79     /**
80      * Whether native Altbn128 is enabled.
81      *
82      * @return true if enabled, false otherwise.
83      */
84     public Boolean getNativeAltbn128() {
85         return nativeAltbn128;
86     }
87
88     /**

```

```
89      * Whether native blake2bf is enabled.
90      *
91      * @return true if enabled, false otherwise.
92      */
93      public Boolean getNativeBlake2bf() {
94          return nativeBlake2bf;
95      }
96
97      /**
98       * Whether native mod exp is enabled.
99       *
100      * @return true if enabled, false otherwise.
101      */
102      public Boolean getNativeModExp() {
103          return nativeModExp;
104      }
105  }
```