

# OLDJIRAS

## Fighting Old JIRA Issues

This is a page for fighting old JIRA issues, any value-add are welcome 😊

### Guideline

- For old issues (over a month???), verify whether it's still an issue with the latest code and note this with a JIRA comment.
- Put comment to the jira issue when you start work on it.
- For issues without patch, dive into and post a patch if possible. And another comment if you can't provide a patch for some reason.
- If you're posting an enhancement, post a patch that enhances the tests and make sure they pass on an RI.
- If you're posting a fix, post a patch that includes a regression test.
- If there's a particular JIRA issue that you would like fixed and a patch already exists, try applying the patch yourself, verify it and then add a comment supporting the patch.
- If the JIRA/patch is debatable for any reasons (non-bug difference, break others, any other concerns...), don't hesitate to forward it to dev-list for discussion.

### Process

1. Verify all these old issues to find out whether it's still an issue with the latest code. 2. Post a comment if it is no longer an issue. 3. If it is still an issue:
  - Post a patch for those without patch till now if possible.
  - For those already have patches, verify the reason why it was ignored, and then
    - Enrich testcase if caused by lack of test.
    - Supply another patch if the patch is out of date.
    - Add comments to support it if the patch is ok.

### Volunteers

**Tony Wu** is in JIRA 1116 1114 1103 1082 985 953 882

**Spark Shen** is in JIRA 1367 866 855 839 780 944 1244

### Issue List

| JIRA ISSUE                                                                                                                                                   | DESCRIPTION                                        |                                                                                                                            |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="1c865b4b-8772-41e4-a343-5c5f3db2d152"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1375 | [classlib][net] Refine native code interface of setSocketOption                                                            | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="8fbacbd4-e957-4a2a-a970-ee104c9963d3"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1370 | [classlib][luni] HttpURLConnection enhancement allowing work over HTTP proxy server                                        | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="9a3dd059-d03d-4362-b908-4ec45c770447"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1367 | [classlib][util] unexpected [ClassCastException] for Collections.binarySearch(..)                                          | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="e57e0d6e-0456-475e-9804-aeca9d800970"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1366 | [classlib][text] Bidi(AttributedCharacterIterator) throws [ArrayIndexOutOfBoundsException] on RI and works OK on Harmony   | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="97b666b7-c65e-4410-8b7d-5961198f296a"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1360 | [classlib][nio charset] Charset.forName() returns different value vs Charset.availableCharsets()                           | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="1e8cc8aa-e4d2-4ebe-b512-936a18c1b477"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1353 | [classlib][text] unexpected [ParseException] for new [RuleBasedCollator]("n")                                              | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="d4cbe26f-d7c4-47aa-ae09-278d63b99e64"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1352 | [classlib][text] unexpected [IllegalArgumentException] for [RuleBasedCollator].getCollationElementIterator((String)null)   | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="a2eb8038-528c-4aba-9431-f23c4a92e738"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1351 | [classlib][text] compatibility: [NumberFormat].getCurrency() returns string on RI and null on Harmony for incorrect locale | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="d13782b6-5ea5-4c2d-b117-2d292324d5d6"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1346 | [classlib][net] no URISyntaxException for URI(null, "2:3:4:5:6:7:8", "/", null)                                            | ]]></ac:plain-text-body></ac:structured-macro> |

|                                                                                                                                                              |                                                    |                                                                                                                                                                  |                                                |                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="452140e5-fdc5-4e45-8192-3406977c35e8"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1284 | [classlib][lang-management] [MemoryUsage].from (CompositeData) allows invalid "init" values                                                                      | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="a451631f-fe5c-4a32-8c5b-cafd6c3181d8"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1248 | [classlib][math] exception compatibility [BigDecimal].valueOf(0L, -22).shortValueExact()                                                                         |                                                | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="3fc08f65-b8ca-493e-b030-a1ec9a4575eb"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1244 | [classlib][text] [AttributedString].addAttribute(null, ...) throws nothing while RI throws NPE                                                                   | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="319ac9fb-0505-4840-8b79-d645785e1032"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1194 | [classlib][nio] unexpected "Memory Spy! Fixed attempt to free memory that was not allocated [PlatformAddress][xxx]" messages                                     | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="ca711811-e773-47bb-87b5-3fab1f06b91c"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1187 | [classlib][text] unexpected [MissingResourceException] for new [DecimalFormat]("#####0.0000")                                                                    | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="1394b2ee-7cdc-4477-8b05-3709feebc256"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1175 | [classlib][io] [BufferedWriter].write() exception behavior differ from RI                                                                                        | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="77f0a58a-4de9-48bb-a9da-97543a022a19"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1171 | [classlib][jndi] no [InvalidNameException] for [CompoundName].addAll()                                                                                           | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="e57ae1e-6820-4f8c-b4cb-beeab79ca483"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-1158 | [classlib][luni]Compatibility: java.net.URL new URL ("ss", null, -3, null) throws MalformedURLException while RI throws NPE                                      | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="2d7fccdc-a0a3-40ed-9c4d-0646caf5ae52"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1147 | [classlib][kernel] Harmony+J9 throws NPE while Harmony+drlvm and RI throws [IndexOutOfBoundsException] for [SecureClassLoader].defineClass()                     | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="9c438537-9eef-4a36-ae61-62b9d7e7c26c"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1130 | [classlib][net] compatibility: method URLStreamHandler().parseURL() throws [SecurityException] on RI and works silently on Harmony.                              |                                                | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="e1cfe96a-15da-44ae-82b7-b96b7b618104"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1127 | [classlib][net] compatibility: Harmony constructor URI (String * 5) throws URISyntaxException while RI does not                                                  | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="2682b3af-b47a-4ea9-a0c8-cf8f9daf23f5"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1126 | [classlib][net] unexpected URISyntaxException for URI.parseServerAuthority()                                                                                     | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="ec48561e-9966-4ade-97cd-806145bd77b0"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1117 | [classlib][net] Harmony implementation of [SocketImpl].getFileDescriptor() return real object, but RI return null                                                | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="211349d7-9fb7-49d4-85fc-54b66e876476"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1116 | [classlib][text] Bidi.getLength() result differs from RI when flag > 61                                                                                          | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="37b821b8-1adc-42b7-8944-1bfa2bbd7ce0"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1111 | [classlib][lang] unexpected [IllegalArgumentException] for String(byte[], int, int, String)                                                                      | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="52d24654-c3fc-4568-a567-043bdd1323be"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1110 | [classlib][text] [ChoiceFormat](String) pattern parser differs from RI                                                                                           | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="08d74d7b-a9c8-4ac8-b5cf-4bac8f002f6d"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1107 | [classlib][io] compatibility: different exception order for [FileInputStream]("log").read(null, -1, 1)                                                           | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="7ba33b6d-27eb-4f16-ae10-c60183e5aaa9"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1106 | [classlib][io] java.io.SequenceInputStream (InputStream, null) throws unexpected NPE                                                                             | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="9fe7f1d1-7d46-4a9a-9ecc-eb2cc95897f9"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1103 | [classlib][io] compatibility: different checks order for [DataInputStream](null).readFully(byte[], int, int)                                                     | ]]></ac:plain-text-body></ac:structured-macro> |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="c068da85-2616-4d60-8f58-e7308f2b5125"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-1082 | [classlib][io]compatibility:java.io. BufferedOutputStream.write(byte[], int, int) throws [ArrayIndexOutOfBoundsException] while RI throws [NullPointerException] | ]]></ac:plain-text-body></ac:structured-macro> |                                                |

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| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="db8992e7-d36c-4012-9eb4-78702c5b62e7"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-1047                                                            | [classlib][math]exception compatibility: new [BigInteger](Integer.MAX_VALUE, (Random)null)                                    | ]]></ac:plain-text-body></ac:structured-macro> |
| https://issues.apache.org/jira/browse/HARMONY-996                                                                                                             | Difference in behaviour of java.util.Date (int year, int month, int date) with large negative third parameter |                                                                                                                               |                                                |
| https://issues.apache.org/jira/browse/HARMONY-988                                                                                                             | Formatting doubles: different behaviour with RI                                                               |                                                                                                                               |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="eda33bc1-0874-41f5-9297-4e94cd65c98f"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-985                                                             | [classlib][luni] bug-to-bug compatibility java.util.Formatter.Formatter(Appendable a)                                         | ]]></ac:plain-text-body></ac:structured-macro> |
| https://issues.apache.org/jira/browse/HARMONY-982                                                                                                             | Portlib should be extended to support NIO's mmap funtions                                                     |                                                                                                                               |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="2fc98009-fcf5-480a-ae56-7509600572ff"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-944                                                             | [classlib][text] java.text.BreakIterator.getInt(byte[], Integer.MAX_VALUE) does not throw [ArrayIndexOutOfBoundsException]    | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="e2f5ebd10-53ac-4de2-b932-7a7e08cc5cd2"><ac:plain-text-body><![CDATA[ | https://issues.apache.org/jira/browse/HARMONY-938                                                             | [classlib][text] compatibility: Harmony Collator. getDecomposition() returns 0 while RI returns 1                             | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="62f5b2cf-17dd-49e1-a2de-93205b13abe3"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-937                                                             | [classlib][text] compatibility: java.text.Collator. compare(null,null) returns true while RI throws NPE                       | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="01f8feaa-c828-4d17-960c-5c6fff9a9019"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-922                                                             | [classlib][text] unexpected NPE for [MessageFormat] ("rr", null).hashCode()                                                   | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="b83963ba-8446-441d-bd96-118b08880da7"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-921                                                             | [classlib][lang] compatibility: [ClassLoader]. getSystemResource(null) returns null while RI throws NPE                       | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="5ae68dbd-9bdd-4ac0-9d23-5304c07419e9"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-916                                                             | [classlib][lang] unexpected [IllegalCharsetNameException] for new String(byte[], int, int, "zzz");                            | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="9cc168ba-8cd2-4b40-9280-6af9669d0cb2"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-895                                                             | [classlib][net] java.net.URL((URL) null, String, handler) does not throw MalformedURLException exception for unknown protocol | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="b38418d3-8e15-4062-a887-9e5869575e7f"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-894                                                             | [classlib][net] java.net.DatagramSocket(null). getBroadcast() returns different values for harmony vs RI                      | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="ebf90c03-ad9d-44b4-a301-eb1a54813b31"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-890                                                             | [classlib][net] compatibility: incorrect default port number for new [DatagramPacket](new byte[], int)                        | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="d823cf18-63b0-4411-a1fc-87dcfa74d17"><ac:plain-text-body><![CDATA[   | https://issues.apache.org/jira/browse/HARMONY-877                                                             | [classlib][lang] compatibility: Harmony method [ClassLoader].getResource(null) returns null while RI throws NPE               | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="7cffe95b-d1d7-46a0-b3cb-c57dd8ab8fc3"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-875                                                             | [classlib][lang] API-J9 unexpected [ClassFormatError] for the method [ClassLoader]. defineClass(name, array, 4, -2);          | ]]></ac:plain-text-body></ac:structured-macro> |
| https://issues.apache.org/jira/browse/HARMONY-866                                                                                                             | Arrays.binarySearch should always return -1 on empty array                                                    |                                                                                                                               |                                                |
| https://issues.apache.org/jira/browse/HARMONY-858                                                                                                             | Exception throwing compatibility: java.util.Scanner.nextInt(int radix)                                        |                                                                                                                               |                                                |
| https://issues.apache.org/jira/browse/HARMONY-855                                                                                                             | Some java.util.Collections methods do not throw unspecified NPE while RI does                                 |                                                                                                                               |                                                |
| https://issues.apache.org/jira/browse/HARMONY-839                                                                                                             | WeakHashMap(Map arg) throws NPE if arg.entrySet() returns null                                                |                                                                                                                               |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="d795eabd-a02e-4d3a-96ae-0046588d3744"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-833                                                             | [classlib][lang] unexpected [IllegalCharsetNameException] for ByteArrayOutputStream().toString("-]???");                      | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="40381614-5799-4580-a942-6033f155b311"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-829                                                             | [classlib][io] unexpected result for java.io.File. compareTo(File) method                                                     | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="37db0340-00ae-4547-8b76-67b09fa3dd07"><ac:plain-text-body><![CDATA[  | https://issues.apache.org/jira/browse/HARMONY-780                                                             | [classlib][util] unexpected [ClassCastException] for java.util.TreeMap.put(Object, new Object)                                | ]]></ac:plain-text-body></ac:structured-macro> |

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| <a href="https://issues.apache.org/jira/browse/HARMONY-747">https://issues.apache.org/jira/browse/HARMONY-747</a>                                            | java.lang.Double.parseDouble(String) does not support Hex number                                                                       |                                                                                                                        |                                                |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="a9e1d043-10bd-41df-a737-a9a3866e266d"><ac:plain-text-body><![CDATA[ | <a href="https://issues.apache.org/jira/browse/HARMONY-693">https://issues.apache.org/jira/browse/HARMONY-693</a>                      | [classlib][logging] unexpected NPE for XMLFormatter().getHead((Handler) null)                                          | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="5449f58a-f7f4-40e3-b8ce-55b87936510b"><ac:plain-text-body><![CDATA[ | <a href="https://issues.apache.org/jira/browse/HARMONY-690">https://issues.apache.org/jira/browse/HARMONY-690</a>                      | [classlib][lang]Compatibility: Harmony Runtime. removeShutdownHook(null) does not throw unspecified NPE while RI does. | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="010cd5d0-34cf-4a81-8846-6a64a5482854"><ac:plain-text-body><![CDATA[ | <a href="https://issues.apache.org/jira/browse/HARMONY-654">https://issues.apache.org/jira/browse/HARMONY-654</a>                      | [classlib] hytty_printf("%d", -1) outputs "01"                                                                         | ]]></ac:plain-text-body></ac:structured-macro> |
| <ac:structured-macro ac:name="unmigrated-wiki-markup" ac:schema-version="1" ac:macro-id="f01be3fa-c475-4355-b3ff-2abd8ea35e69"><ac:plain-text-body><![CDATA[ | <a href="https://issues.apache.org/jira/browse/HARMONY-617">https://issues.apache.org/jira/browse/HARMONY-617</a>                      | [classlib][luni] HttpURLConnection does not support persistent connections                                             | ]]></ac:plain-text-body></ac:structured-macro> |
| <a href="https://issues.apache.org/jira/browse/HARMONY-535">https://issues.apache.org/jira/browse/HARMONY-535</a>                                            | java.io.File doesn't properly work with the file names which have non-latin chars                                                      |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-517">https://issues.apache.org/jira/browse/HARMONY-517</a>                                            | File.listFiles returns empty list but should return null                                                                               |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-424">https://issues.apache.org/jira/browse/HARMONY-424</a>                                            | NullPointerException in java.text.DecimalFormat.getCurrency()                                                                          |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-329">https://issues.apache.org/jira/browse/HARMONY-329</a>                                            | Endless loop when using Double.parseDouble(String) with certain types of value                                                         |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-308">https://issues.apache.org/jira/browse/HARMONY-308</a>                                            | java.nio.charset.Charset.encode(CharBuffer) returns bytes in a different order in Harmony and RI for the UTF-16 charset                |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-248">https://issues.apache.org/jira/browse/HARMONY-248</a>                                            | Using java.io.File.deleteOnExit() and System.runFinalizersOnExit(true) in the same application causes crash on exit.                   |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-217">https://issues.apache.org/jira/browse/HARMONY-217</a>                                            | java.text.BreakIterator.following() incorrectly calculates the following boundary                                                      |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-139">https://issues.apache.org/jira/browse/HARMONY-139</a>                                            | ICU - characters 0x0384 and 0xB7 are unmapped in ICU implementation of ISO8859-7                                                       |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-100">https://issues.apache.org/jira/browse/HARMONY-100</a>                                            | text/BidiWrapper issue?                                                                                                                |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-64">https://issues.apache.org/jira/browse/HARMONY-64</a>                                              | java.nio.charset.Charset.forName(String name) does not throw <a href="#">UnsupportedCharsetException</a> if valid name starts with "x- |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-62">https://issues.apache.org/jira/browse/HARMONY-62</a>                                              | java.text.BreakIterator.getSentenceInstance().next() treats '\n' as the end of the sentence                                            |                                                                                                                        |                                                |
| <a href="https://issues.apache.org/jira/browse/HARMONY-32">https://issues.apache.org/jira/browse/HARMONY-32</a>                                              | java.text.Collator.setDecomposition(FULL_DECOMPOSITION) throws <a href="#">IllegalArgumentException</a>                                |                                                                                                                        |                                                |