安心云 et-flink 代码走查

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html 文档不完整

et_storage_hdfs/src/main/web/index.html 内容不完整：缺少 <!DOCTYPE>、"lang" 属性声明等。

```
1  <body>
2  <!-- Send text to websocket -->
3  <input id="userInput" type="text">
4  <button
   onclick="ws.send(document.getElementById('userInput').value)">Send</button>
5  <!-- Results -->
6  <div id="message"></div>
7  <script>
8      function showMessage(text) {
9        document.getElementById('message').innerHTML = text;
10     }
11     var ws = new WebSocket('ws://' + document.location.host + '/ws');
12     showMessage('Connecting...');
13     ws.onopen = function() { showMessage('Connected!'); };
14     ws.onclose = function() { showMessage('Lost connection'); };
15     ws.onmessage = function(msg) { showMessage(msg.data); };
16  </script>
17  </body>
18  </html>
```

代码语法问题

- finally 块 抛出异常 不合理代码逻辑。

```
1  # comm_utils/src/main/java/comm/utils/storage/HdfsHelper.java
   L393
2  finally {
3          throw deserializationContext.mappingException(getValueClass());
4  }
```

- arrary 转字符串，不能直接 toString

```
1  # et_storage_hdfs/src/main/java/com/fs/Es2Hdfs.java              L1000, L1087
2  logger.info("    Invalid headers:" + factor_names.toArray().toString() + "!");
```

- 声明一个变量取代多处引用的字符串

```
1  # comm_utils/src/main/scala/comm/utils/ConfigHelper.scala
2  # config_center/src/main/scala/com/free_sun/config/HttpHelper.scala
3
4  "redis.guava.expireTime"                          7次
5  "redis.guava.expireTime.long"                     3次
6  ""Content-Type"                                   3次
```

类型转换问题

例如：`expected = 2 + 3 * 4 - 12;`

```
1  @Test
2  public void testExpression2() throws Exception {
3      String expr;
4      double expected;
5      expr = "2+3*4-12";
6      expected = 2 + 3 * 4 - 12;
```

代码缺少保护

比如，`mathRate` 可能为 0 值。

```
1    fmt.format("| %-22s | %25.2f | %22.2f %% |%n", "exp4j", dbRate, dbRate * 100
   / mathRate);
```

资源使用不合理

流、连接等资源未作异常捕捉：

```
1  comm_utils/src/main/java/comm/utils/storage/HdfsHelper.java
   L98
2  comm_utils/src/main/java/comm/utils/storage/HdfsHelperExtra.java
   L72
3  et_storage_hdfs/src/main/java/com/fs/Es2Hdfs.java
   L214, L215, L272, L273
4  et_storage_hdfs/src/main/java/com/fs/es2hdfs/tools/HdfsHelper.java
   L140, L179, L199
5  et_upload/src/main/java/wsdl/qingdao_kancha/DataPutter.java
   L47, L150
6  et_upload/src/main/java/wsdl/sichuan/jdbc/SQLUtils.java
   L131, L152, L198, L242, L259, L273, L286, L303, L340
```

资源使用完成后未关闭（`stream.close`）：

```java
BufferedReader br = new BufferedReader(new InputStreamReader(is,
EncodeName));
Connection conn = DriverManager.getConnection(propCfg.getProperty("db.url"),
props);
Statement stmt = conn.createStatement();
FileWriter fw = new FileWriter(nf);
PreparedStatement pstmt = conn.prepareStatement(sql);
```