

Public signup for this instance is **disabled**. Go to our [Self serve sign up page](#) to request an account.



Hadoop YARN / YARN-10147

FPGA plugin can't find the localized aocx file

Details

Type:	Bug	Status:	RESOLVED
Priority:	Major	Resolution:	Fixed
Affects Version/s:	None	Fix Version/s:	3.3.0
Component/s:	nodemanager		
Labels:	None		
Hadoop Flags:	Reviewed		

Description

There's a bug in the FPGA plugin which is intended to find the localized "aocx" file:

```
...
    if (localizedResources != null) {
        Optional<Path> aocxPath = localizedResources
            .keySet()
            .stream()
            .filter(path -> matchesIpid(path, id))
            .findFirst();

        if (aocxPath.isPresent()) {
            ipFilePath = aocxPath.get().toUri().toString();
            LOG.debug("Found: " + ipFilePath);
        }
    } else {
        LOG.warn("Localized resource is null!");
    }

    return ipFilePath;
}

private boolean matchesIpid(Path p, String id) {
    return p.getName().toLowerCase().equals(id.toLowerCase())
        && p.getName().endsWith(".aocx");
}
```

The method `matchesIpid()` works incorrectly: the `id` argument is the expected filename, but without the extension. Therefore the `equals()` comparison will always be false.

Attachments

YARN-10147-001.patch	5 kB	18/Feb/20 11:44
YARN-10147-002.patch	5 kB	18/Feb/20 13:49
YARN-10147-003.patch	5 kB	19/Feb/20 10:24

Activity

Hadoop QA added a comment - 18/Feb/20 13:11



+1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	0m 37s	Docker mode activated.
			Prechecks
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	test4tests	0m 0s	The patch appears to include 1 new or modified test files.
			trunk Compile Tests
+1	mvninstall	20m 9s	trunk passed
+1	compile	1m 17s	trunk passed

+1	checkstyle	0m 29s	trunk passed
+1	mvnsite	0m 44s	trunk passed
+1	shadedclient	15m 45s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 12s	trunk passed
+1	javadoc	0m 26s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 35s	the patch passed
+1	compile	0m 54s	the patch passed
+1	javac	0m 54s	the patch passed
-0	checkstyle	0m 19s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager: The patch generated 3 new + 2 unchanged - 0 fixed = 5 total (was 2)
+1	mvnsite	0m 32s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	14m 3s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 16s	the patch passed
+1	javadoc	0m 22s	the patch passed
			Other Tests
+1	unit	21m 25s	hadoop-yarn-server-nodemanager in the patch passed.
+1	asflicense	0m 25s	The patch does not generate ASF License warnings.
		80m 28s	

Subsystem	Report/Notes
Docker	Client=19.03.6 Server=19.03.6 Image:yetus/hadoop:c44943d1fc3
JIRA Issue	YARN-10147
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12993754/YARN-10147-001.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux dd04dcc9d129 4.15.0-74-generic #84-Ubuntu SMP Thu Dec 19 08:06:28 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / a562942
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_242
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/25532/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-nodemanager.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/25532/testReport/
Max. process+thread count	307 (vs. ulimit of 5500)
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/25532/console
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org

This message was automatically generated.

  Hadoop QA added a comment - 18/Feb/20 15:12

 +1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	0m 39s	Docker mode activated.
			Prechecks
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	test4tests	0m 0s	The patch appears to include 1 new or modified test files.
			trunk Compile Tests
+1	mvninstall	19m 33s	trunk passed
+1	compile	0m 59s	trunk passed
+1	checkstyle	0m 24s	trunk passed
+1	mvnsite	0m 36s	trunk passed
+1	shadedclient	16m 26s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 31s	trunk passed
+1	javadoc	0m 31s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 43s	the patch passed
+1	compile	1m 11s	the patch passed
+1	javac	1m 11s	the patch passed
+1	checkstyle	0m 22s	the patch passed
+1	mvnsite	0m 45s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	14m 37s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 24s	the patch passed
+1	javadoc	0m 23s	the patch passed
			Other Tests
+1	unit	21m 20s	hadoop-yarn-server-nodemanager in the patch passed.
+1	asflicense	0m 25s	The patch does not generate ASF License warnings.
		82m 8s	

Subsystem	Report/Notes
Docker	Client=19.03.6 Server=19.03.6 Image=yetus/hadoop:c44943d1fc3
JIRA Issue	YARN-10147
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12993765/YARN-10147-002.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux e677b5692d2d 4.15.0-74-generic #84-Ubuntu SMP Thu Dec 19 08:06:28 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / a562942
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_242
findbugs	v3.1.0-RC1
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/25533/testReport/
Max. process+thread count	307 (vs. ulimit of 5500)
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/25533/console
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org

This message was automatically generated.

Peter Bacsko

 added a comment - 18/Feb/20 16:11

snemeth please review & commit this JIRA.

Adam Antal

 added a comment - 18/Feb/20 16:37

Thanks for the patch pbacsko!

Minor nits:

- I'd raise this to warn or error level, since the user configured the FPGA plugin, but it misses the IP file:

```
LOG.info("Requested IP file not found");
```

- Two ; characters in test imports:

```
import static org.junit.Assert.assertNull;;
```

(wondering why checkstyle didn't catch it)

- Could you please add meaningful messages in the assert statements in TestIntelFpgaOpenclPlugin? "Path" is not really describes the failure.

Hadoop QA

 added a comment - 19/Feb/20 12:11

+1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	24m 17s	Docker mode activated.
			Prechecks
+1	@author	0m 0s	The patch does not contain any @author tags.
+1	test4tests	0m 0s	The patch appears to include 1 new or modified test files.
			trunk Compile Tests
+1	mvninstall	18m 18s	trunk passed
+1	compile	1m 2s	trunk passed
+1	checkstyle	0m 31s	trunk passed
+1	mvnsite	0m 40s	trunk passed
+1	shadedclient	14m 4s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 10s	trunk passed
+1	javadoc	0m 29s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 34s	the patch passed
+1	compile	0m 54s	the patch passed
+1	javac	0m 54s	the patch passed
+1	checkstyle	0m 21s	the patch passed
+1	mvnsite	0m 33s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	12m 57s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 12s	the patch passed
+1	javadoc	0m 25s	the patch passed
			Other Tests
+1	unit	21m 48s	hadoop-yarn-server-nodemanager in the patch passed.
+1	asflicense	0m 33s	The patch does not generate ASF License warnings.
		100m 3s	

Subsystem	Report/Notes
-----------	--------------

Docker	Client=19.03.6 Server=19.03.6 Image:yetus/hadoop:c44943d1fc3
JIRA Issue	YARN-10147
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12993872/YARN-10147-003.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux ad75091647cd 4.15.0-60-generic #67-Ubuntu SMP Thu Aug 22 16:55:30 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / cb3f3cc
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_242
findbugs	v3.1.0-RC1
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/25539/testReport/
Max. process+thread count	414 (vs. ulimit of 5500)
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/25539/console
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org

This message was automatically generated.

▼ Szilard Nemeth added a comment - 19/Feb/20 14:55

Thanks [pbacsko](#),
Latest patch looks good to me, committed to trunk.
Thanks [adam.antal](#) for the review.

[pbacsko](#): Could you please check if it is feasible to backport this patch to branch-3.2?
Thanks

▼ Hudson added a comment - 19/Feb/20 15:09

SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #17967 (See <https://builds.apache.org/job/Hadoop-trunk-Commit/17967/>)
[YARN-10147](#). FPGA plugin can't find the localized aocx file. Contributed (snemeth: rev 3f1aad05f0510d713bdf1297de6cda380c2bb078)


- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/java/org/apache/hadoop/yarn/server/nodemanager/containermanager/resourceplugin/fpga/IntelFpgaOpencIPlugin.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/test/java/org/apache/hadoop/yarn/server/nodemanager/containermanager/resourceplugin/fpga/TestIntelFpgaOpencIPlugin.java

▼ Szilard Nemeth added a comment - 21/Feb/20 07:24

As discussed with [pbacsko](#), I'm resolving this jira as the backport to 3.2 is not required.

▼ People

Assignee:
 Peter Bacsko

Reporter:
 Peter Bacsko

Votes:
 Vote for this issue

Watchers:
 Start watching this issue

▼ Dates

Created:
18/Feb/20 10:31

Updated:

4/20/23, 6:16 PM

[YARN-10147] FPGA plugin can't find the localized aocx file - ASF JIRA

21/Feb/20 07:24

Resolved:

21/Feb/20 07:24