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Hadoop YARN / YARN-10814

YARN shouldn't start with empty `hadoop.http.authentication.signature.secret.file`

Details

Type:	Bug	Status:	RESOLVED
Priority:	Major	Resolution:	Fixed
Affects Version/s:	None	Fix Version/s:	3.4.0, 3.3.2, 3.2.4
Component/s:	None		
Labels:	<div>patch-availablepull-request-available</div>		
Hadoop Flags:	Reviewed		

Description

YARN currently throws the following warning upon accessing any REST endpoint when the configured http secret file exists but is empty:

```
at org.apache.hadoop.security.authentication.util.Signer.computeSignature(Signer.java:93)
at org.apache.hadoop.security.authentication.util.Signer.sign(Signer.java:59)
at org.apache.hadoop.security.authentication.server.AuthenticationFilter.doFilter(AuthenticationFilter.java:587)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1638)
at org.apache.hadoop.security.http.CrossOriginFilter.doFilter(CrossOriginFilter.java:98)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1638)
at org.apache.hadoop.http.HttpServer2$QuotingInputFilter.doFilter(HttpServer2.java:1681)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1638)
at org.apache.hadoop.http.NoCacheFilter.doFilter(NoCacheFilter.java:45)
at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1638)
at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:567)
at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:143)
at org.eclipse.jetty.security.SecurityHandler.handle(SecurityHandler.java:602)
at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:127)
at org.eclipse.jetty.server.handler.ScopedHandler.nextHandle(ScopedHandler.java:235)
at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:1610)
at org.eclipse.jetty.server.handler.ScopedHandler.nextHandle(ScopedHandler.java:233)
at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1377)
at org.eclipse.jetty.server.handler.ScopedHandler.nextScope(ScopedHandler.java:188)
at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:507)
at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:1580)
at org.eclipse.jetty.server.handler.ScopedHandler.nextScope(ScopedHandler.java:186)
```

YARN itself works, apps can be submitted but none of the REST endpoints are accessible. Since this is an invalid configuration YARN possibly shouldn't start.

Attachments

YARN-10814-branch-3.3.patch	8 kB	10/Aug/21 09:05
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Issue Links

links to

- [GitHub Pull Request #3206](#)
- [GitHub Pull Request #3282](#)
- [GitHub Pull Request #3283](#)
- [GitHub Pull Request #3286](#)

Activity

- [Gergely Pollák](#) added a comment - 30/Jul/21 10:22

Slight change to original discussion, YARN will start with random secret or will fail based on the disallowFallbackToRandomSecretProvider setting.

LGTM+1, committed to trunk.

▼ Szilard Nemeth added a comment - 09/Aug/21 14:40

tdomok, shuzirra

As discussed, we need backports for 3.3, 3.2 and 3.1 branches.

▼ Gergely Pollák added a comment - 09/Aug/21 23:41

Reviewed and committed to 3.2 as it LGTM+1 and has yetus in order, but there is some issue with the 3.3 build.

▼ Szilard Nemeth added a comment - 10/Aug/21 09:41

Triggered jenkins build for latest patch (3.3): <https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/console>

▼ Hadoop QA added a comment - 10/Aug/21 10:22

✖ -1 overall

Vote	Subsystem	Runtime	Logfile	Comment
0	reexec	16m 39s		Docker mode activated.
			Prechecks	
+1	dupname	0m 0s		No case conflicting files found.
+1	@author	0m 0s		The patch does not contain any @author tags.
+1		0m 0s	test4tests	The patch appears to include 2 new or modified test files.
			branch-3.3 Compile Tests	
-1	mvninstall	16m 6s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/branch-mvninstall-root.txt	root in branch-3.3 failed.
-1	compile	0m 24s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/branch-compile-root.txt	root in branch-3.3 failed.
+1	checkstyle	0m 21s		branch-3.3 passed
-1	mvnsite	0m 26s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/branch-mvnsite-hadoop-common-project_hadoop-auth.txt	hadoop-auth in branch-3.3 failed.
+1	shadedclient	1m 19s		branch has no errors when building and testing our client artifacts.
-1	javadoc	0m 25s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/branch-javadoc-hadoop-common-project_hadoop-auth.txt	hadoop-auth in branch-3.3 failed.
0	spotbugs	2m 14s		Both FindBugs and SpotBugs are enabled, using SpotBugs.
-1	spotbugs	0m 26s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/branch-spotbugs-hadoop-common-project_hadoop-auth.txt	hadoop-auth in branch-3.3 failed.
			Patch Compile Tests	
-1	mvninstall	0m 22s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/patch-mvninstall-hadoop-common-	hadoop-auth in the patch failed.

			project_hadoop-auth.txt	
-1	compile	0m 22s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/patch-compile-root.txt	root in the patch failed.
-1	javac	0m 22s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/patch-compile-root.txt	root in the patch failed.
-0	checkstyle	0m 21s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/buildtool-patch-checkstyle-hadoop-common-project_hadoop-auth.txt	The patch fails to run checkstyle in hadoop-auth
-1	mvnsite	0m 22s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/patch-mvnsite-hadoop-common-project_hadoop-auth.txt	hadoop-auth in the patch failed.
+1	whitespace	0m 0s		The patch has no whitespace issues.
+1	shadedclient	0m 23s		patch has no errors when building and testing our client artifacts.
-1	javadoc	0m 22s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/patch-javadoc-hadoop-common-project_hadoop-auth.txt	hadoop-auth in the patch failed.
-1	spotbugs	0m 22s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/patch-spotbugs-hadoop-common-project_hadoop-auth.txt	hadoop-auth in the patch failed.
			Other Tests	
-1	unit	0m 23s	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/patch-unit-hadoop-common-project_hadoop-auth.txt	hadoop-auth in the patch failed.
0	asflicense	0m 25s		ASF License check generated no output?
		40m 23s		

Subsystem	Report/Notes
Docker	ClientAPI=1.41 ServerAPI=1.41 base: https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/artifact/out/Dockerfile
JIRA Issue	YARN-10814
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/13031700/YARN-10814-branch-3.3.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle spotbugs
uname	Linux ff2deac8b78f 4.15.0-147-generic #151-Ubuntu SMP Fri Jun 18 19:21:19 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	personality/hadoop.sh
git revision	branch-3.3 / 0a5f76b8142
Default Java	Private Build-1.8.0_292-8u292-b10-0ubuntu1~18.04-b10
Test Results	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/testReport/
Max. process+thread count	84 (vs. ulimit of 5500)
modules	C: hadoop-common-project/hadoop-auth U: hadoop-common-project/hadoop-auth
Console output	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1185/console
versions	git=2.17.1 maven=3.6.0
Powered by	Apache Yetus 0.13.0-SNAPSHOT https://yetus.apache.org

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▼

Hadoop QA

added a comment - 10/Aug/21 12:58


✔ +1 overall

Vote	Subsystem	Runtime	Logfile	Comment
0	reexec	1m 12s		Docker mode activated.
			Prechecks	
+1	dupname	0m 0s		No case conflicting files found.
+1	@author	0m 0s		The patch does not contain any @author tags.
+1		0m 0s	test4tests	The patch appears to include 2 new or modified test files.
			branch-3.3 Compile Tests	
+1	mvninstall	25m 55s		branch-3.3 passed
+1	compile	17m 57s		branch-3.3 passed
+1	checkstyle	0m 28s		branch-3.3 passed
+1	mvnsite	0m 36s		branch-3.3 passed
+1	shadedclient	18m 9s		branch has no errors when building and testing our client artifacts.
+1	javadoc	0m 32s		branch-3.3 passed
0	spotbugs	19m 30s		Both FindBugs and SpotBugs are enabled, using SpotBugs.
+1	spotbugs	0m 49s		branch-3.3 passed
			Patch Compile Tests	
+1	mvninstall	0m 20s		the patch passed
+1	compile	17m 22s		the patch passed
+1	javac	17m 22s		the patch passed
+1	checkstyle	0m 29s		hadoop-common-project/hadoop-auth: The patch generated 0 new + 103 unchanged - 1 fixed = 103 total (was 104)
+1	mvnsite	0m 34s		the patch passed
+1	whitespace	0m 0s		The patch has no whitespace issues.
+1	shadedclient	2m 23s		patch has no errors when building and testing our client artifacts.
+1	javadoc	0m 30s		the patch passed
+1	spotbugs	0m 57s		the patch passed
			Other Tests	
+1	unit	3m 33s		hadoop-auth in the patch passed.
+1	asflicense	0m 46s		The patch does not generate ASF License warnings.
		93m 46s		


Subsystem	Report/Notes
Docker	ClientAPI=1.41 ServerAPI=1.41 base: https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1186/artifact/out/Dockerfile
JIRA Issue	YARN-10814
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/13031700/YARN-10814-branch-3.3.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle spotbugs

uname	Linux 3fb58eef87f6 4.15.0-147-generic #151-Ubuntu SMP Fri Jun 18 19:21:19 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	personality/hadoop.sh
git revision	branch-3.3 / 0a5f76b8142
Default Java	Private Build-1.8.0_292-8u292-b10-0ubuntu1~18.04-b10
Test Results	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1186/testReport/
Max. process+thread count	518 (vs. ulimit of 5500)
modules	C: hadoop-common-project/hadoop-auth U: hadoop-common-project/hadoop-auth
Console output	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1186/console
versions	git=2.17.1 maven=3.6.0 spotbugs=4.2.2
Powered by	Apache Yetus 0.13.0-SNAPSHOT https://yetus.apache.org

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▼  Tamas Domok added a comment - 16/Aug/21 09:17

The branch-3.1 is EoL, it is already back ported to branch-3.2 branch-3.3, so the issue can be closed.

▼  Hadoop QA added a comment - 17/Aug/21 22:04

 +1 overall

Vote	Subsystem	Runtime	Logfile	Comment
0	reexec	13m 5s		Docker mode activated.
			Prechecks	
+1	dupname	0m 0s		No case conflicting files found.
+1	@author	0m 0s		The patch does not contain any @author tags.
+1		0m 0s	test4tests	The patch appears to include 2 new or modified test files.
			branch-3.3 Compile Tests	
+1	mvninstall	28m 11s		branch-3.3 passed
+1	compile	19m 19s		branch-3.3 passed
+1	checkstyle	0m 28s		branch-3.3 passed
+1	mvnsite	0m 34s		branch-3.3 passed
+1	shadedclient	18m 16s		branch has no errors when building and testing our client artifacts.
+1	javadoc	0m 30s		branch-3.3 passed
0	spotbugs	19m 32s		Both FindBugs and SpotBugs are enabled, using SpotBugs.
+1	spotbugs	0m 46s		branch-3.3 passed
			Patch Compile Tests	
+1	mvninstall	0m 21s		the patch passed
+1	compile	18m 51s		the patch passed
+1	javac	18m 51s		the patch passed
+1	checkstyle	0m 28s		hadoop-common-project/hadoop-auth: The patch generated 0 new + 103 unchanged - 1 fixed = 103 total (was 104)
+1	mvnsite	0m 33s		the patch passed
+1	whitespace	0m 0s		The patch has no whitespace issues.
+1	shadedclient	16m 58s		patch has no errors when building and testing our client artifacts.

+1	javadoc	0m 31s		the patch passed
+1	spotbugs	0m 56s		the patch passed
			Other Tests	
+1	unit	3m 35s		hadoop-auth in the patch passed.
+1	asflicense	0m 46s		The patch does not generate ASF License warnings.
		125m 27s		

Subsystem	Report/Notes
Docker	ClientAPI=1.41 ServerAPI=1.41 base: https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1187/artifact/out/Dockerfile
JIRA Issue	YARN-10814
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/13031700/YARN-10814-branch-3.3.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle spotbugs
uname	Linux e4add27b3ab7 4.15.0-147-generic #151-Ubuntu SMP Fri Jun 18 19:21:19 UTC 2021 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	personality/hadoop.sh
git revision	branch-3.3 / 226f94b4fc0
Default Java	Private Build-1.8.0_292-8u292-b10-0ubuntu1~18.04-b10
Test Results	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1187/testReport/
Max. process+thread count	594 (vs. ulimit of 5500)
modules	C: hadoop-common-project/hadoop-auth U: hadoop-common-project/hadoop-auth
Console output	https://ci-hadoop.apache.org/job/PreCommit-YARN-Build/1187/console
versions	git=2.17.1 maven=3.6.0 spotbugs=4.2.2
Powered by	Apache Yetus 0.13.0-SNAPSHOT https://yetus.apache.org

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▼ Szilard Nemeth added a comment - 24/Aug/21 12:17

Hi tdomok,
Committed patch to branch-3.3 as well.
Resolving jira.

▼ People

Assignee:

👤 Tamas Domok

Reporter:

👤 Benjamin Teke

Votes:

0 Vote for this issue

Watchers:

5 Start watching this issue

▼ Dates

Created:

09/Jun/21 17:04

Updated:
12/Jul/22 11:00

Resolved:
24/Aug/21 12:17

▼ Time Tracking

