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

Application lifetime does not work with FairScheduler

⌄ Details

Type:	🔲 Sub-task	Status:	**RESOLVED**
Priority:	⌃ Major	Resolution:	Fixed
Affects Version/s:	None	Fix Version/s:	2.9.0, 3.0.0, 3.1.0
Component/s:	resourcemanager		
Labels:	None		
Hadoop Flags:	Reviewed		

⌄ Attachments

📄 YARN-7289.000.patch	1.0 kB	04/Oct/17 18:09
📄 YARN-7289.001.patch	5 kB	18/Oct/17 20:27
📄 YARN-7289.002.patch	5 kB	18/Oct/17 21:39
📄 YARN-7289.003.patch	6 kB	19/Oct/17 17:35
📄 YARN-7289.004.patch	6 kB	25/Oct/17 05:06
📄 YARN-7289.005.patch	6 kB	26/Oct/17 17:08
📄 YARN-7289.addendum.000.patch	5 kB	01/Nov/17 23:14

⌄ Activity

⌃

⌄ ◯ Hadoop QA added a comment - 04/Oct/17 19:35

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 18s	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	13m 5s	trunk passed
+1	compile	0m 32s	trunk passed
+1	checkstyle	0m 22s	trunk passed
+1	mvnsite	0m 36s	trunk passed
+1	shadedclient	8m 49s	branch has no errors when building and testing our client artifacts.
+1	findbugs	0m 59s	trunk passed
+1	javadoc	0m 19s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 32s	the patch passed
+1	compile	0m 30s	the patch passed
+1	javac	0m 30s	the patch passed
+1	checkstyle	0m 22s	the patch passed

+1	mvnsite	0m 29s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	8m 58s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 3s	the patch passed
+1	javadoc	0m 17s	the patch passed
			Other Tests
-1	unit	46m 29s	hadoop-yarn-server-resourcemanager in the patch failed.
+1	asflicense	0m 15s	The patch does not generate ASF License warnings.
		84m 1s	

Reason	Tests
Failed junit tests	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestContainerAllocation
	hadoop.yarn.server.resourcemanager.scheduler.fair.TestFSAppStarvation
	hadoop.yarn.server.resourcemanager.TestRMAdminService

Subsystem	Report/Notes
Docker	Image:yetus/hadoop:71bbb86
JIRA Issue	YARN-7289
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12890403/YARN-7289.000.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 5cc0fe79c55d 4.4.0-43-generic #63-Ubuntu SMP Wed Oct 12 13:48:03 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/hadoop/patchprocess/precommit/personality/provided.sh
git revision	trunk / 20e9ce3
Default Java	1.8.0_144
findbugs	v3.1.0-RC1
unit	https://builds.apache.org/job/PreCommit-YARN-Build/17772/artifact/patchprocess/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/17772/testReport/
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/17772/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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⌄ ◯ Miklos Szegedi added a comment - 04/Oct/17 20:31 - edited

The other issues are be unrelated. This is just a timeout change.
The corresponding bugs are YARN-5652, YARN-6747

⌄ ◯ Rohith Sharma K S added a comment - 05/Oct/17 05:16

Hi miklos.szegedi@cloudera.com, for this tests increasing test timeout doesn't help. The test case should complete with in 60 seconds, otherwise some issue in code I suspect. Can you tell why did you feel increasing timeout will fix the issue?

Miklos Szegedi added a comment - 05/Oct/17 18:24

It finished in about 40 seconds to me. That suggested that it may take 60 seconds or more on a machine with high utilization.

Rohith Sharma K S added a comment - 09/Oct/17 04:59

Yes, in a normal run it is expected to finish around 40-45 seconds max!

Miklos Szegedi added a comment - 18/Oct/17 20:26

Indeed, I did some more debugging. The issue was that it ran with fair scheduler that overrides the lifetime of the application. I am changing the test to test with both capacity and fair schedulers and I also add a small change to fair scheduler to handle the basic scenario.

Hadoop QA added a comment - 18/Oct/17 20:32

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 0s	Docker mode activated.
-1	docker	0m 11s	Docker failed to build yetus/hadoop:0de40f0.

Subsystem	Report/Notes
JIRA Issue	~~YARN-7289~~
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12892883/YARN-7289.001.patch
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/18010/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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Daniel Templeton added a comment - 18/Oct/17 21:25

I'm confused. How was the fair scheduler causing the problem? Wasn't the test previously hard-coded to use capacity scheduler? And if the problem was the fair scheduler, which you've now fixed, why are you doubling the timeout?

Miklos Szegedi added a comment - 18/Oct/17 21:34

Thank you for reviewing the patch. Fair scheduler simply relied on AbstractYarnScheduler to pass on the timeout that simply returned -1 ignoring the timeout. FairScheduler.checkAndGetApplicationLifetime corrects this. The timeout is doubled, since we now run with both fair and capacity schedulers once.

Daniel Templeton added a comment - 18/Oct/17 21:38

Not a big deal, but `testApplicationLifetimeMonitorWorker()` would more usually be named `doTestApplicationLifetimeMonitor()` or `testApplicationLifetimeMonitorInternal()`.

Given that you're only testing two schedulers, it might be clearer in `testApplicationLifetimeMonitor()` to just call `testApplicationLifetimeMonitorWorker()` twice instead of building the list and iterating over it.

Daniel Templeton added a comment - 18/Oct/17 21:41

My question was how fair scheduler was getting involved at all. In the original code I see lots of things hard-coded to capacity scheduler and no mention of fair scheduler.

Hadoop QA added a comment - 18/Oct/17 23:35

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 18s	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	12m 49s	trunk passed
+1	compile	0m 34s	trunk passed
+1	checkstyle	0m 26s	trunk passed
+1	mvnsite	0m 37s	trunk passed
+1	shadedclient	9m 56s	branch has no errors when building and testing our client artifacts.
+1	findbugs	0m 59s	trunk passed
+1	javadoc	0m 21s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 31s	the patch passed
+1	compile	0m 31s	the patch passed
+1	javac	0m 31s	the patch passed
+1	checkstyle	0m 22s	the patch passed
+1	mvnsite	0m 33s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	10m 1s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 6s	the patch passed
+1	javadoc	0m 21s	the patch passed
			Other Tests
-1	unit	49m 50s	hadoop-yarn-server-resourcemanager in the patch failed.
+1	asflicense	0m 18s	The patch does not generate ASF License warnings.
		89m 50s	

Reason	Tests
Failed junit tests	hadoop.yarn.server.resourcemanager.reservation.TestCapacityOverTimePolicy
	hadoop.yarn.server.resourcemanager.metrics.TestSystemMetricsPublisher

Subsystem	Report/Notes
Docker	Image:yetus/hadoop:0de40f0
JIRA Issue	YARN-7289
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12892908/YARN-7289.002.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux ad33f3813d92 4.4.0-43-generic #63-Ubuntu SMP Wed Oct 12 13:48:03 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/hadoop/patchprocess/precommit/personality/provided.sh

git revision	trunk / 2523e1c
Default Java	1.8.0_144
findbugs	v3.1.0-RC1
unit	https://builds.apache.org/job/PreCommit-YARN-Build/18016/artifact/patchprocess/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/18016/testReport/
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/18016/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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Rohith Sharma K S added a comment - 19/Oct/17 03:52

thanks miklos.szegedi@cloudera.com for investigating this! I agree with your root cause that fails for FS and approach taken for test case fix. However code was explicitly setting for CS. Did you changed manually to FS in test before running?
Couple of comments on tests

1. **setUp** method explicitly set CS queue. This can be removed.
2. **setUpCSQueue()** method is invoked for both CS and FS! This method can be skipped for FS which is not required!

I do see reason for increasing a timeout 120 seconds since same test case running for both scheduler. It make sense to me!

Miklos Szegedi added a comment - 19/Oct/17 17:35

Thank you, rohithsharma and templedf for the reviews.
Yes, I ran with Fair scheduler hardcoded manually. I updated the patch, so that we run as fully parametrized with two schedulers. The patch should address all comments.

Hadoop QA added a comment - 19/Oct/17 17:45

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 0s	Docker mode activated.
-1	docker	0m 12s	Docker failed to build yetus/hadoop:0de40f0.

Subsystem	Report/Notes
JIRA Issue	~~YARN-7289~~
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12893077/YARN-7289.003.patch
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/18032/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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Rohith Sharma K S added a comment - 23/Oct/17 06:32

latest patch LGTM, kicking off jenkins manually.

Hadoop QA added a comment - 23/Oct/17 08:14

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 14s	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	17m 38s	trunk passed
+1	compile	0m 49s	trunk passed
+1	checkstyle	0m 32s	trunk passed
+1	mvnsite	0m 52s	trunk passed
+1	shadedclient	10m 2s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 31s	trunk passed
+1	javadoc	0m 30s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 48s	the patch passed
+1	compile	0m 48s	the patch passed
+1	javac	0m 48s	the patch passed
+1	checkstyle	0m 29s	the patch passed
+1	mvnsite	0m 51s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	9m 52s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 38s	the patch passed
+1	javadoc	0m 27s	the patch passed
			Other Tests
-1	unit	43m 47s	hadoop-yarn-server-resourcemanager in the patch failed.
+1	asflicense	0m 24s	The patch does not generate ASF License warnings.
		91m 8s	

Reason	Tests
Failed junit tests	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestContainerResizing
	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestIncreaseAllocationExpirer
	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestContainerAllocation
	hadoop.yarn.server.resourcemanager.webapp.TestRMWebServicesApps
	hadoop.yarn.server.resourcemanager.scheduler.fair.TestFSLeafQueue
	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestCapacitySchedulerLazyPreemption
	hadoop.yarn.server.resourcemanager.TestSubmitApplicationWithRMHA
	hadoop.yarn.server.resourcemanager.TestReservationSystemWithRMHA
	hadoop.yarn.server.resourcemanager.TestRMHA
	hadoop.yarn.server.resourcemanager.TestRMHAForNodeLabels
	hadoop.yarn.server.resourcemanager.webapp.TestRMWebServicesCapacitySched
	hadoop.yarn.server.resourcemanager.webapp.TestRMWebServicesAppsModification
	hadoop.yarn.server.resourcemanager.webapp.TestRMWebServicesSchedulerActivities
	hadoop.yarn.server.resourcemanager.rmcontainer.TestRMContainerImpl
	hadoop.yarn.server.resourcemanager.TestRMHATimelineCollectors

	hadoop.yarn.server.resourcemanager.TestKillApplicationWithRMHA
	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestCapacityScheduler
	hadoop.yarn.server.resourcemanager.scheduler.fair.TestFairScheduler
	hadoop.yarn.server.resourcemanager.scheduler.fifo.TestFifoScheduler
	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestCapacitySchedulerDynamicBehavior
	hadoop.yarn.server.resourcemanager.TestApplicationMasterService
	hadoop.yarn.server.resourcemanager.rmapp.TestApplicationLifetimeMonitor
	hadoop.yarn.server.resourcemanager.TestApplicationMasterLauncher
	hadoop.yarn.server.resourcemanager.TestWorkPreservingRMRestart
	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestNodeLabelContainerAllocation
	hadoop.yarn.server.resourcemanager.TestRMAdminService
Timed out junit tests	org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.conf.TestZKConfigurationStore
	org.apache.hadoop.yarn.server.resourcemanager.recovery.TestZKRMStateStore
	org.apache.hadoop.yarn.server.resourcemanager.TestLeaderElectorService

Subsystem	Report/Notes
Docker	Image:yetus/hadoop:ca8ddc6
JIRA Issue	YARN-7289
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12893077/YARN-7289.003.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 1d0013ebd0db 3.13.0-119-generic #166-Ubuntu SMP Wed May 3 12:18:55 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/hadoop/patchprocess/precommit/personality/provided.sh
git revision	trunk / 248d9b6
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
unit	https://builds.apache.org/job/PreCommit-YARN-Build/18082/artifact/patchprocess/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/18082/testReport/
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/18082/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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⌄ ◯ Miklos Szegedi added a comment - 23/Oct/17 22:26

I was looking at the test failures. Most of these are due to HADOOP-14974. I would run the jenkins job again, once that one is fixed.

⌄ ◯ Rohith Sharma K S added a comment - 24/Oct/17 05:00

Since this issue affect fairscheduler, we should target before 2.9 release.

⌄ ◯ Hadoop QA added a comment - 24/Oct/17 08:02

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 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	13m 2s	trunk passed
+1	compile	0m 30s	trunk passed
+1	checkstyle	0m 24s	trunk passed
+1	mvnsite	0m 34s	trunk passed
+1	shadedclient	8m 56s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 0s	trunk passed
+1	javadoc	0m 22s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 33s	the patch passed
+1	compile	0m 30s	the patch passed
+1	javac	0m 30s	the patch passed
+1	checkstyle	0m 22s	the patch passed
+1	mvnsite	0m 34s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	9m 6s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 9s	the patch passed
+1	javadoc	0m 19s	the patch passed
			Other Tests
-1	unit	51m 58s	hadoop-yarn-server-resourcemanager in the patch failed.
+1	asflicense	0m 18s	The patch does not generate ASF License warnings.
		90m 14s	

Reason	Tests
Failed junit tests	hadoop.yarn.server.resourcemanager.scheduler.fair.TestFSAppStarvation
	hadoop.yarn.server.resourcemanager.scheduler.fair.TestFSLeafQueue
	hadoop.yarn.server.resourcemanager.scheduler.fair.TestFairScheduler
	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestIncreaseAllocationExpirer

Subsystem	Report/Notes
Docker	Image:yetus/hadoop:ca8ddc6
JIRA Issue	YARN-7289
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12893077/YARN-7289.003.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle

uname	Linux fb92a4c8da18 4.4.0-43-generic #63-Ubuntu SMP Wed Oct 12 13:48:03 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/hadoop/patchprocess/precommit/personality/provided.sh
git revision	trunk / b90750c
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
unit	https://builds.apache.org/job/PreCommit-YARN-Build/18100/artifact/patchprocess/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/18100/testReport/
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/18100/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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Rohith Sharma K S added a comment - 24/Oct/17 16:51

miklos.szegedi@cloudera.com would you check test failures are related? I had a look at failures, I don't think these are related to this patch! Could you also confirm since these are FS test failures?

Miklos Szegedi added a comment - 24/Oct/17 20:53

The issues are YARN-6747, YARN-7385, YARN-7385 and YARN-7387 respectively.

Rohith Sharma K S added a comment - 25/Oct/17 05:01

I just realized that if there are any other schedulers configured then user configured application lifetime will be ignored all the time. I think it is better to change return value in AbstractYarnScheduler#checkAndGetApplicationLifetime rather than overriding in FS!
I will update quick patch to run jenkin again.

Hadoop QA added a comment - 25/Oct/17 07:49

❌ -1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	0m 14s	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	21m 51s	trunk passed
+1	compile	1m 8s	trunk passed
+1	checkstyle	0m 43s	trunk passed
+1	mvnsite	1m 10s	trunk passed
+1	shadedclient	13m 12s	branch has no errors when building and testing our client artifacts.
+1	findbugs	2m 6s	trunk passed
+1	javadoc	0m 45s	trunk passed
			Patch Compile Tests
+1	mvninstall	1m 9s	the patch passed

+1	compile	1m 1s	the patch passed
+1	javac	1m 1s	the patch passed
+1	checkstyle	0m 39s	the patch passed
+1	mvnsite	1m 4s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	13m 25s	patch has no errors when building and testing our client artifacts.
+1	findbugs	2m 11s	the patch passed
+1	javadoc	0m 40s	the patch passed
			Other Tests
-1	unit	62m 43s	hadoop-yarn-server-resourcemanager in the patch failed.
+1	asflicense	0m 39s	The patch does not generate ASF License warnings.
		124m 40s	

Reason	Tests
Failed junit tests	hadoop.yarn.server.resourcemanager.scheduler.fair.TestFSAppStarvation
	hadoop.yarn.server.resourcemanager.scheduler.capacity.TestIncreaseAllocationExpirer

Subsystem	Report/Notes
Docker	Image:yetus/hadoop:ca8ddc6
JIRA Issue	YARN-7289
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12893878/YARN-7289.004.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 7f75acb048d0 3.13.0-119-generic #166-Ubuntu SMP Wed May 3 12:18:55 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/hadoop/patchprocess/precommit/personality/provided.sh
git revision	trunk / d7f3737
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
unit	https://builds.apache.org/job/PreCommit-YARN-Build/18132/artifact/patchprocess/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/18132/testReport/
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/18132/console
Powered by	Apache Yetus 0.6.0-SNAPSHOT http://yetus.apache.org

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Daniel Templeton added a comment - 25/Oct/17 17:45

Here:

```
        if (scheduler.equals(CapacityScheduler.class)) {
          newConf =
```

```
                new YarnConfiguration(setUpCSQueue(maxLifetime, defaultLifetime));
      conf = new YarnConfiguration(newConf);
    }
```

Do we need the intermediary conf? Can't we just have:

```
      if (scheduler.equals(CapacityScheduler.class)) {
        conf = new YarnConfiguration(setUpCSQueue(maxLifetime, defaultLifetime));
      }
```

?

It would also be good to add a comment to say why FS doesn't need any queue setup.

Is `testApplicationLifetimeMonitor()` actually testing anything with FS? Would it be a better approach to add an `assume()` so the test only runs with CS?

> **Miklos Szegedi** added a comment - 26/Oct/17 01:11

rohithsharma, thank you for the patch. Would you like to continue this patch, or should I do that?

> **Rohith Sharma K S** added a comment - 26/Oct/17 03:13

Please go ahead. Since yesterday it was off time for you, my self took liberty to upload rather than waiting! We should target it for 2.9!

> **Miklos Szegedi** added a comment - 26/Oct/17 16:42

rohithsharma, I was not off yesterday. Thank you for the patch.
templedf,

> Is testApplicationLifetimeMonitor() actually testing anything with FS? Would it be a better approach to add an assume() so the test only runs with CS?

We actually add limited support of lifetime monitoring to fs with this jira. It is a useful feature I think.
I am updating the patch addressing the comments.

> **Daniel Templeton** added a comment - 26/Oct/17 17:10 - *edited*

I'm good with the latest patch, pending Jenkins' opinion.

> **Rohith Sharma K S** added a comment - 27/Oct/17 04:17

Looks jenkins didn't run, kicking off manually

> **Hadoop QA** added a comment - 27/Oct/17 05:51

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 21s	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	12m 9s	trunk passed
+1	compile	0m 31s	trunk passed
+1	checkstyle	0m 25s	trunk passed
+1	mvnsite	0m 37s	trunk passed
+1	shadedclient	9m 0s	branch has no errors when building and testing our client artifacts.

+1	findbugs	1m 0s	trunk passed
+1	javadoc	0m 21s	trunk passed
		Patch Compile Tests	
+1	mvninstall	0m 37s	the patch passed
+1	compile	0m 34s	the patch passed
+1	javac	0m 34s	the patch passed
+1	checkstyle	0m 21s	the patch passed
+1	mvnsite	0m 35s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	8m 59s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 5s	the patch passed
+1	javadoc	0m 17s	the patch passed
		Other Tests	
+1	unit	56m 1s	hadoop-yarn-server-resourcemanager in the patch passed.
-1	asflicense	0m 17s	The patch generated 3 ASF License warnings.
		93m 22s	

Subsystem	Report/Notes
Docker	Image:yetus/hadoop:5b98639
JIRA Issue	~~YARN-7289~~
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12894175/YARN-7289.005.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 30bda41bfd62 4.4.0-43-generic #63-Ubuntu SMP Wed Oct 12 13:48:03 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/hadoop/patchprocess/precommit/personality/provided.sh
git revision	trunk / 36e158a
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/18180/testReport/
asflicense	https://builds.apache.org/job/PreCommit-YARN-Build/18180/artifact/patchprocess/patch-asflicense-problems.txt
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/18180/console
Powered by	Apache Yetus 0.7.0-SNAPSHOT http://yetus.apache.org

This message was automatically generated.

⌄ ◎ Miklos Szegedi added a comment - 27/Oct/17 16:51

The ASF license issues are unrelated to the patch.

⌄ ◎ Rohith Sharma K S added a comment - 27/Oct/17 17:12

committing shortly

Rohith Sharma K S added a comment - 27/Oct/17 17:29

committed to trunk/branch-2. thanks to miklos.szegedi@cloudera.com for the patch and thanks to templedf for the review!

Miklos Szegedi added a comment - 01/Nov/17 22:57

I noticed that we override the configuration in case of capacity scheduler instead of extending it. Moreover the AbstractYarnScheduler patch was lost in the final commit. Reopening the issue to attach an addendum.

Miklos Szegedi added a comment - 01/Nov/17 23:16

rohithsharma, could you please look at the addendum? It addresses the configuration issue and applies the default to user lifetime in AbstractYarnScheduler.java

Hadoop QA added a comment - 02/Nov/17 04:35

❌ -1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	0m 19s	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	14m 40s	trunk passed
+1	compile	0m 30s	trunk passed
+1	checkstyle	0m 21s	trunk passed
+1	mvnsite	0m 31s	trunk passed
+1	shadedclient	9m 35s	branch has no errors when building and testing our client artifacts.
-1	findbugs	0m 53s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager in trunk has 2 extant Findbugs warnings.
+1	javadoc	0m 17s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 32s	the patch passed
+1	compile	0m 27s	the patch passed
+1	javac	0m 27s	the patch passed
-0	checkstyle	0m 19s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager: The patch generated 1 new + 103 unchanged - 0 fixed = 104 total (was 103)
+1	mvnsite	0m 30s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	9m 42s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 1s	the patch passed
+1	javadoc	0m 16s	the patch passed
			Other Tests
+1	unit	52m 15s	hadoop-yarn-server-resourcemanager in the patch passed.
+1	asflicense	0m 13s	The patch does not generate ASF License warnings.
		92m 7s	

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639

JIRA Issue	YARN-7289
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12895304/YARN-7289.addendum.000.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 4c74b777900f 4.4.0-43-generic #63-Ubuntu SMP Wed Oct 12 13:48:03 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / 0cc98ae
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
findbugs	https://builds.apache.org/job/PreCommit-YARN-Build/18297/artifact/out/branch-findbugs-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager-warnings.html
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/18297/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/18297/testReport/
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/18297/console
Powered by	Apache Yetus 0.7.0-SNAPSHOT http://yetus.apache.org

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▾ ◯ Rohith Sharma K S added a comment - 02/Nov/17 08:22

thanks Miklos Szegedi for reopening it. Apologies for missing this in final patch ☹
Additional changes looks fine for me. Findbugs are unrelated to this patch and checkstyle comment is not major.
I am going ahead with committing this as branch-2.9 cut off is done and ready for RC. This JIRA need to be committed to branch-2.9 as well.

▾ ◯ Rohith Sharma K S added a comment - 02/Nov/17 08:47

I have committed for trunk/branch-3.0/branch-2/branch-2.9. thanks for quick addendum patch 🙂

▾ ◯ Hudson added a comment - 02/Nov/17 15:30

SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #13178 (See https://builds.apache.org/job/Hadoop-trunk-Commit/13178/)
addendum patch for YARN-7289. (rohithsharmaks: rev 940ffe3f9ce74286a8863e3743faf88a33c817a3)

- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/rmapp/TestApplicationLifetimeMonitor.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/AbstractYarnScheduler.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/capacity/CapacityScheduler.java

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▾ People

Assignee:

◯ Miklos Szegedi

Reporter:

◯ Miklos Szegedi

Votes:

0 Vote for this issue

Watchers:

4 Start watching this issue

⌄ Dates

Created:

04/Oct/17 17:57

Updated:

02/Nov/17 15:30

Resolved:

02/Nov/17 08:47

0 Vote for this issue

Watchers:

4 Start watching this issue