Hadoop YARN / YARN-5139 [Umbrella] Move YARN scheduler towards global scheduler / YARN-7437

Rename PlacementSet and SchedulingPlacementSet

Details

Type:	Sub-task	Status:	**RESOLVED**
Priority:	Major	Resolution:	Fixed
Affects Version/s:	None	Fix Version/s:	3.0.0
Component/s:	None		
Labels:	None		

Description

Currently, the SchedulingPlacementSet is very confusing. Here're its responsibilities:

1) Store ResourceRequests. (Or SchedulingRequest after YARN-6592).
2) Decide order of nodes to allocate when there're multiple node candidates.
3) Decide if we should reject node for given requests.
4) Store any states/cache can help make decision for #2/#3

Attachments

YARN-7437.001.patch	98 kB	07/Nov/17 05:57
YARN-7437.002.patch	99 kB	07/Nov/17 19:01
YARN-7437.003.patch	99 kB	07/Nov/17 19:09
YARN-7437.004.patch	103 kB	08/Nov/17 00:34
YARN-7437.005.patch	149 kB	09/Nov/17 01:02

Activity

Wangda Tan added a comment - 03/Nov/17 16:48

asuresh/kkaranasos/subru.

How about rename it to PlacementStrategy(or AppPlacementStrategy). And rename LocalitySchedulingPlacementSet to LocalityPlacementStrategy? Or any better suggestions?

Konstantinos Karanasos added a comment - 03/Nov/17 22:03

Thanks for starting this, leftnoteasy.

Given that we are at it, I think the `PlacementSet` class is confusing too, both because it is essentially an iterator over multiple nodes and because it has very similar name with `SchedulingPlacementSet` although they do something very different.

So, let's see what is the current functionality first – correct me if I am wrong.
There is one `SchedulingPlacementSet` per application, storing the outstanding resource/scheduling requests. This class is also doing the allocation, given a particular node. So, in the current implementation, we do locality, thus we have the allocateNodeLocal, rackLocal, etc.
At the same time, I see the `getPreferredNodeIterator()`, which is capable of getting a list of nodes instead of a single node. As we discussed, this is currently being used with a single node.
[offtopic: BTW (not for this JIRA that is about renaming, but since I am looking at this code), I don't see why we call the getPreferredNodeIterator outside the SchedulingPlacementSet, I would expect this logic to happen within the SchedulingPlacementSet. As in, you give it multiple nodes, and then it decides what is the right one, based on its implementation. For example, you have locality placement, you give it a bunch of nodes, then internally the SchedulingPlacementSet decides which is the best of these nodes to use for each outstanding request. It does not matter /offtopic]

So, on the renaming:

- I think we should rename the `SchedulingSet` to something like `CandidateNodeSet`, or anything that has `NodeSet` or `NodeSetIterator` in it.
- For the `SchedulingPlacementSet`, I think we should have in the name something about the `App`, like `AppPlacementXYZ` or `AppSchedulingXYZ`, where XYZ can be Strategy, although it is not just a strategy, because it does the accounting for outstanding requests too.

Wangda Tan added a comment - 03/Nov/17 22:30

Thanks kkaranasos for suggestions.

For your renaming suggestions:

> I think we should rename the SchedulingSet to something like CandidateNodeSet, or anything that has NodeSet or NodeSetIterator in it.

I'm fine with CandidateNodeSet/NodeSet, I would prefer CandidateNodeSet over NodeSet.

> For the SchedulingPlacementSet, I think we should have in the name something about the App ..

I would prefer to have `AppXYZPlacement`, such as `AppLocalityPlacement`. I'm fine with your points of removing Strategy from class name. And AppSchedulingXYZ sounds too similar to AppSchedulingInfo, that's way I don't prefer it.

For your "offtopic" comment:

> As in, you give it multiple nodes, and then it decides what is the right one, based on its implementation. For example, you have locality placement, you give it a bunch of nodes, then internally the SchedulingPlacementSet decides which is the best of these nodes to use for each outstanding request.

So what you meant is, we will not explicitly call the `getPreferredNodeIterator` from external, instead SchedulingPlacementSet itself will cache the candidate and give ordering of preferred nodes based on whatever it logics, correct?
I think your suggestion makes sense if we want to do multi-nodes look up instead of single node since set of nodes available in the cluster won't change rapidly. And we can keep internal cache of the pre-sorted results to be more stable. The previous reason of invoking this from external is for back-ward compatible to single-node cases.
I'm not sure what is the best API design to make sure both works. Probably we can delay this once we start exploring multi-nodes allocations. (Hopefully we can start soon if you guys also consider the SchedulingPlacementSet as an option 🙂).

Konstantinos Karanasos added a comment - 06/Nov/17 17:39

> I'm fine with CandidateNodeSet/NodeSet, I would prefer CandidateNodeSet over NodeSet.

I think `CandidateNodeSet` is good.

> I would prefer to have AppXYZPlacement, such as AppLocalityPlacement. I'm fine with your points of removing Strategy from class name. And AppSchedulingXYZ sounds too similar to AppSchedulingInfo, that's way I don't prefer it.

We can call the superclass `AppPlacement` and the subclass `LocalityAppPlacement`. I am wondering if `AppPlacement` is too generic. I will ping Arun/Subru to see if they have any preference. But in any case, something along these lines is fine.

Re: the offtopic, yep, that's more or less what I had in mind. As you say, it is not of high priority at the moment – it was just sharing a thought since it came to mind and it seemed quite interesting 🙂

Wangda Tan added a comment - 06/Nov/17 17:59

Thanks kkaranasos for your comments, all make sense to me. I will make changes accordingly.

Wangda Tan added a comment - 07/Nov/17 05:57

Attached ver.1 patch.

asuresh / kkaranasos mind to take a look?

Konstantinos Karanasos added a comment - 07/Nov/17 06:15

Thanks leftnoteasy.
I had an offline chat with subru. He agreed with the `NodeCandidateSet`, but found the `AppPlacement` kind of too generic.
Some alternatives we came up with were: `AppPlacementAllocator`, `AppContainerAllocator`, and `AppResourceAllocator`.
What do you think?
Once we conclude on that, I will take care of reviewing the patch.

Hadoop QA added a comment - 07/Nov/17 07:50

✅ +1 overall

Vote	Subsystem	Runtime	Comment
0	reexec	0m 10s	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 5 new or modified test files.
			trunk Compile Tests
+1	mvninstall	19m 42s	trunk passed
+1	compile	0m 47s	trunk passed
+1	checkstyle	0m 45s	trunk passed
+1	mvnsite	0m 49s	trunk passed
+1	shadedclient	12m 14s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 15s	trunk passed
+1	javadoc	0m 27s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 49s	the patch passed
+1	compile	0m 44s	the patch passed
+1	javac	0m 44s	the patch passed
-0	checkstyle	0m 39s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager: The patch generated 47 new + 687 unchanged - 45 fixed = 734 total (was 732)
+1	mvnsite	0m 46s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	11m 38s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 25s	the patch passed
+1	javadoc	0m 24s	the patch passed
			Other Tests
+1	unit	55m 20s	hadoop-yarn-server-resourcemanager in the patch passed.
+1	asflicense	0m 19s	The patch does not generate ASF License warnings.
		107m 44s	

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639
JIRA Issue	YARN-7437
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12896345/YARN-7437.001.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux af46596d7bf1 3.13.0-133-generic #182-Ubuntu SMP Tue Sep 19 15:49:21 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / 13fa2d4
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/18369/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/18369/testReport/
Max. process+thread count	794 (vs. ulimit of 5000)
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/18369/console
Powered by	Apache Yetus 0.7.0-SNAPSHOT http://yetus.apache.org

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Wangda Tan added a comment - 07/Nov/17 18:48

kkaranasos, I'm fine with both of AppPlacement or AppPlacementAllocator. asuresh, any suggestions here?

Arun Suresh added a comment - 07/Nov/17 18:55

Thanks for raising this wangda, I like AppPlacementAllocator.

Wangda Tan added a comment - 07/Nov/17 19:01

Just renamed to -AppPlacementAllocator.

asuresh/kkaranasos, mind to take a look, hopefully this is straightforward to review 🙂.

Wangda Tan added a comment - 07/Nov/17 19:06

Hold on, I need to make few edits. Please give me a few mins.

Wangda Tan added a comment - 07/Nov/17 19:09

Done, asuresh / kkaranasos please take a look when you get chance.

Hadoop QA added a comment - 07/Nov/17 21:08

✅ **+1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	10m 8s	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 5 new or modified test files.
			trunk Compile Tests
+1	mvninstall	17m 20s	trunk passed
+1	compile	0m 38s	trunk passed
+1	checkstyle	0m 36s	trunk passed
+1	mvnsite	0m 42s	trunk passed
+1	shadedclient	11m 3s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 7s	trunk passed
+1	javadoc	0m 25s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 41s	the patch passed
+1	compile	0m 37s	the patch passed
+1	javac	0m 37s	the patch passed
-0	checkstyle	0m 32s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager: The patch generated 56 new + 686 unchanged - 44 fixed = 742 total (was 730)
+1	mvnsite	0m 39s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	11m 2s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 25s	the patch passed
+1	javadoc	0m 24s	the patch passed
			Other Tests
+1	unit	58m 48s	hadoop-yarn-server-resourcemanager in the patch passed.
+1	asflicense	0m 24s	The patch does not generate ASF License warnings.
		116m 18s	

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639
JIRA Issue	YARN-7437
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12896478/YARN-7437.003.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 5ee28a8ca7b8 3.13.0-129-generic #178-Ubuntu SMP Fri Aug 11 12:48:20 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / 13fa2d4
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/18380/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/18380/testReport/
Max. process+thread count	794 (vs. ulimit of 5000)
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/18380/console
Powered by	Apache Yetus 0.7.0-SNAPSHOT http://yetus.apache.org

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Konstantinos Karanasos added a comment - 07/Nov/17 22:37

Thanks for the patch, leftnoteasy. Looks good, only some minor comments:

- AppPlacementAllocator: comments need some fixing – remove double or etc., mention that we currently have a single node in the candidate set. There are some TODOs left with your name, we should remove the name. Do you think we should file JIRAs for those TODOs?
- CandidateNodeSet: let's add some more comments in the beginning of the class. Also worth mentioning we currently consider a single node.
- CSQueue: `@param ps @link PlacementSet of nodes which resources are available` – let's make this a bit more precise (e.g., "the nodes that are considered for the current placement).
- There are a few checkstyle issues that seem related to the patch.
- CapacityScheduler: `candidates.getPartition()) >= 1.0f` – alignment looks somehow off around those lines.
- I would prefer the variable candidates to be named something like nodeCandidates in various classes, but that's not a big deal, I don't mind if you leave it as is.

Wangda Tan added a comment - 08/Nov/17 00:33

Thanks kkaranasos for these comments,

> AppPlacementAllocator: comments need some fixing..

Done and filed YARN-7457.

> CandidateNodeSet: let's add some more comments in the beginning of the class. Also worth mentioning we currently consider a single node.

Added more details. I would prefer to keep "single node" lookup as part of scheduler/allocator implementation since it is not purpose of the CandidateNodeSet class itself. I have a comment inside:

```
LocalityAppPlacementAllocator#getPreferredNodeIterator
```

And addressed all other comments except:

> I would prefer the variable candidates to be named something like nodeCandidates in various classes, but that's not a big deal, I don't mind if you leave it as is.

I think candidate should be good enough, and changing to nodeCandidates have to reformat lots of lines.

▾ ◯ Wangda Tan added a comment - 08/Nov/17 00:34

Attached ver.4 patch, kkaranasos, could you check again?

▾ ◯ Hadoop QA added a comment - 08/Nov/17 02:24

✅ **+1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 9s	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 5 new or modified test files.
			trunk Compile Tests
+1	mvninstall	15m 9s	trunk passed
+1	compile	0m 37s	trunk passed
+1	checkstyle	0m 33s	trunk passed
+1	mvnsite	0m 38s	trunk passed
+1	shadedclient	10m 23s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 2s	trunk passed
+1	javadoc	0m 22s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 38s	the patch passed
+1	compile	0m 34s	the patch passed
+1	javac	0m 34s	the patch passed
-0	checkstyle	0m 33s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager: The patch generated 10 new + 685 unchanged - 46 fixed = 695 total (was 731)
+1	mvnsite	0m 36s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	10m 3s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 5s	the patch passed
+1	javadoc	0m 22s	the patch passed
			Other Tests
+1	unit	58m 19s	hadoop-yarn-server-resourcemanager in the patch passed.
+1	asflicense	0m 21s	The patch does not generate ASF License warnings.
		101m 13s	

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639
JIRA Issue	YARN-7437
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12896546/YARN-7437.004.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 2823f89e90be 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 / 51e882d
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/18392/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/18392/testReport/
Max. process+thread count	824 (vs. ulimit of 5000)
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/18392/console
Powered by	Apache Yetus 0.7.0-SNAPSHOT http://yetus.apache.org

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⊙ **Konstantinos Karanasos** added a comment - 09/Nov/17 00:27

Thanks, leftnoteasy! Looks good, will commit it to trunk shortly.

⊙ **Konstantinos Karanasos** added a comment - 09/Nov/17 01:03

Fixed some checkstyle issues before committing. Uploading patch here first to make sure Jenkins is OK.

⊙ **Hadoop QA** added a comment - 09/Nov/17 03:10

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 16s	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 5 new or modified test files.
			trunk Compile Tests
+1	mvninstall	16m 58s	trunk passed
+1	compile	0m 40s	trunk passed
+1	checkstyle	0m 36s	trunk passed
+1	mvnsite	0m 44s	trunk passed
+1	shadedclient	11m 54s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 24s	trunk passed
+1	javadoc	0m 32s	trunk passed
			Patch Compile Tests
+1	mvninstall	0m 52s	the patch passed
+1	compile	0m 46s	the patch passed
+1	javac	0m 46s	the patch passed
-0	checkstyle	0m 37s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager: The patch generated 4 new + 685 unchanged - 46 fixed = 689 total (was 731)
+1	mvnsite	0m 53s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	12m 54s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 34s	the patch passed
+1	javadoc	0m 31s	the patch passed

			Other Tests
-1	unit	66m 24s	hadoop-yarn-server-resourcemanager in the patch failed.
+1	asflicense	0m 24s	The patch does not generate ASF License warnings.
		117m 54s	

Reason	Tests
Unreaped Processes	hadoop-yarn-server-resourcemanager:1
Timed out junit tests	org.apache.hadoop.yarn.server.resourcemanager.webapp.TestRMWebServicesFairScheduler
	org.apache.hadoop.yarn.server.resourcemanager.TestRMStoreCommands
	org.apache.hadoop.yarn.server.resourcemanager.TestSubmitApplicationWithRMHA
	org.apache.hadoop.yarn.server.resourcemanager.TestReservationSystemWithRMHA
	org.apache.hadoop.yarn.server.resourcemanager.TestKillApplicationWithRMHA

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639
JIRA Issue	YARN-7437
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12896776/YARN-7437.005.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 641c2314ddca 3.13.0-116-generic #163-Ubuntu SMP Fri Mar 31 14:13:22 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / 0de1068
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_131
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/18411/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager.txt
Unreaped Processes Log	https://builds.apache.org/job/PreCommit-YARN-Build/18411/artifact/out/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager-reaper.txt
unit	https://builds.apache.org/job/PreCommit-YARN-Build/18411/artifact/out/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/18411/testReport/
Max. process+thread count	871 (vs. ulimit of 5000)
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/18411/console
Powered by	Apache Yetus 0.7.0-SNAPSHOT http://yetus.apache.org

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▼ ◉ Hadoop QA added a comment - 09/Nov/17 20:42

❌ **-1 overall**

Vote	Subsystem	Runtime	Comment
0	reexec	0m 10s	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 5 new or modified test files.
		trunk Compile Tests	
+1	mvninstall	16m 25s	trunk passed
+1	compile	0m 42s	trunk passed
+1	checkstyle	0m 38s	trunk passed
+1	mvnsite	0m 43s	trunk passed
+1	shadedclient	10m 50s	branch has no errors when building and testing our client artifacts.
+1	findbugs	1m 6s	trunk passed
+1	javadoc	0m 24s	trunk passed
		Patch Compile Tests	
+1	mvninstall	0m 41s	the patch passed
+1	compile	0m 35s	the patch passed
+1	javac	0m 35s	the patch passed
-0	checkstyle	0m 31s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager: The patch generated 4 new + 687 unchanged - 46 fixed = 691 total (was 733)
+1	mvnsite	0m 38s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	11m 1s	patch has no errors when building and testing our client artifacts.
+1	findbugs	1m 23s	the patch passed
+1	javadoc	0m 24s	the patch passed
		Other Tests	
-1	unit	56m 15s	hadoop-yarn-server-resourcemanager in the patch failed.
+1	asflicense	0m 20s	The patch does not generate ASF License warnings.
		102m 26s	

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

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:5b98639
JIRA Issue	YARN-7437
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12896776/YARN-7437.005.patch
Optional Tests	asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 891bdac1ee1b 3.13.0-129-generic #178-Ubuntu SMP Fri Aug 11 12:48:20 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / a1382a1
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_151
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/18418/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-resourcemanager.txt
unit	https://builds.apache.org/job/PreCommit-YARN-Build/18418/artifact/out/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/18418/testReport/

Max. process+thread count	794 (vs. ulimit of 5000)
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/18418/console
Powered by	Apache Yetus 0.7.0-SNAPSHOT http://yetus.apache.org

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Wangda Tan added a comment - 09/Nov/17 20:43

The failed unit test is not related to the patch.

Konstantinos Karanasos added a comment - 09/Nov/17 20:58

Yeah, was checking it now, committing.

Hudson added a comment - 09/Nov/17 21:33

SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #13213 (See https://builds.apache.org/job/Hadoop-trunk-Commit/13213/)
YARN-7437. Rename PlacementSet and SchedulingPlacementSet. (Wangda Tan (kkaranasos: rev ac4d2b1081d8836a21bc70e77f4e6cd2071a9949)

- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/AppPlacementAllocator.java
- (delete) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/PlacementSet.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/package-info.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/AppSchedulingInfo.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fair/FSAppAttempt.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/AbstractCSQueue.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/capacity/TestCapacityScheduler.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/ActivitiesLogger.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/allocator/AbstractContainerAllocator.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/SimpleCandidateNodeSet.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/CSQueue.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/LocalityAppPlacementAllocator.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/capacity/TestContainerResizing.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/CandidateNodeSetUtils.java
- (delete) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/PlacementSetUtils.java
- (delete) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/LocalitySchedulingPlacementSet.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/ParentQueue.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/LeafQueue.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/common/fica/FiCaSchedulerApp.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/capacity/TestNodeLabelContainerAllocation.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/CandidateNodeSet.java

- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/capacity/TestParentQueue.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/SchedulerApplicationAttempt.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/allocator/ContainerAllocator.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/ContainerUpdateContext.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/allocator/RegularContainerAllocator.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/capacity/TestChildQueueOrder.java
- (delete) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/SchedulingPlacementSet.java
- (delete) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/SimplePlacementSet.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

⌄ ◯ **Konstantinos Karanasos** added a comment - 09/Nov/17 21:39

Thanks for the patch, leftnoteasy.
Pushed to trunk and branch-3.0.

⌄ ◯ **Wangda Tan** added a comment - 09/Nov/17 21:50

Thanks kkaranasos/asuresh/subru for review and commit!

⌄ **People**

Assignee:

◯ Wangda Tan

Reporter:

◯ Wangda Tan

Votes:

⓪ Vote for this issue

Watchers:

⑦ Start watching this issue

⌄ **Dates**

Created:

03/Nov/17 16:47

Updated:

09/Nov/17 21:50

Resolved:

09/Nov/17 21:39