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Hadoop YARN / YARN-9050 [Umbrella] Usability improvements for scheduler activities / YARN-9440

Improve diagnostics for scheduler and app activities

Details

Type: Sub-task Status: RESOLVED

Priority:

Major Resolution: Fixed

Affects Version/s: None Fix Version/s: 3.3.0

Component/s: capacityscheduler

Labels: None
Hadoop Flags: Reviewed

Description

Design doc #4.1

Attachments

	148 kB	10/Apr/19 06:45
YARN-9440.002.patch	149 kB	17/Apr/19 02:25
F YARN-9440.003.patch	141 kB	01/May/19 01:08

Issue Links

Dependent

YARN-9439 Support asynchronized scheduling mode and multi-node lookup mechanism for app activities
 YARN-9489 Support filtering by request-priorities and allocation-request-ids for query results of app activities
 RESOLVED

Activity

▼ ○ Tao Yang added a comment - 10/Apr/19 06:53

Attached v1 patch for review.

Key changes in this patch:

- basic
 - Add interface DiagnosticsCollector and its implements ResourceDiagnosticsCollector/PlacementConstraintDiagnosticsCollector to collect resource and PC diagnostics.
 - Add overload methods computeAvailableContainers/fitsIn in interface ResourceCalculator and its implements
 DefaultResourceCalculator/DominantResourceCalculator, add overload method fitsIn in util class Resources, to support collect resource diagnostics.
 - Add AppRequestAllocationInfo and related updates in ActivitiesLogger/ActivityNode/AllocationActivity/AppAllocation/NodeAllocation/ActivitiesInfo/ActivityNodeInfo/AppActivitiesInfo/AppAllocationInfo to adjust date structure of activities such as (1) add request level in scheduler/app activities, (2) show property fields in app/request/container level and so on.
- for scheduling process
 - Add static class DiagnosticsCollectorManager and related logic in ActivitiesManager to manage collectors and enable them only when necessary, to avoid increasing unnecessary overload for scheduler.
 - Update

ActivityDiagnosticConstant/LeafQueue/AppSchedulingInfo/RegularContainerAllocator/AppPlacementAllocator/LocalityAppPlacementAllocator/Sit to support collecting resource/PC diagnostics and improve the diagnostics in scheduling process.

- UT
 - Add ActivitiesTestUtils to maintain common check functions for testing activities.
 - $\circ \ \ \mathsf{Add} \ \mathsf{UT} \ \mathsf{in} \ \mathsf{TestResourceCalculator} \ \mathsf{to} \ \mathsf{test} \ \mathsf{collecting} \ \mathsf{resource} \ \mathsf{diagnostics} \ \mathsf{for} \ \mathsf{resource} \ \mathsf{calculator}.$
 - Add UT in TestRMWebServicesSchedulerActivities/TestRMWebServicesSchedulerActivitiesWithMultiNodesEnabled to verify changes for scheduler/app activities.
 - Update UT in TestActivitiesManager to adapt changes.
- ➤ Hadoop QA added a comment 16/Apr/19 04:51



https://issues.apache.org/jira/browse/YARN-9440

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 7 new or modified test files.
			trunk Compile Tests
0	mvndep	0m 44s	Maven dependency ordering for branch
+1	mvninstall	16m 46s	trunk passed
+1	compile	8m 29s	trunk passed
+1	checkstyle	1m 16s	trunk passed
+1	mvnsite	1m 51s	trunk passed
+1	shadedclient	14m 41s	branch has no errors when building and testing our client artifacts.
-1	findbugs	1m 24s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager in trunk has 2 extant Findbugs warnings.
+1	javadoc	1m 34s	trunk passed
			Patch Compile Tests
0	mvndep	0m 15s	Maven dependency ordering for patch
+1	mvninstall	1m 20s	the patch passed
+1	compile	7m 47s	the patch passed
+1	javac	7m 47s	the patch passed
-0	checkstyle	1m 12s	hadoop-yarn-project/hadoop-yarn: The patch generated 5 new + 196 unchanged - 19 fixed = 201 total (was 215)
+1	mvnsite	1m 47s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	11m 45s	patch has no errors when building and testing our client artifacts.
+1	findbugs	3m 9s	the patch passed
+1	javadoc	1m 30s	the patch passed
			Other Tests
-1	unit	3m 58s	hadoop-yarn-common in the patch failed.
+1	unit	79m 20s	hadoop-yarn-server-resourcemanager in the patch passed.
+1	asflicense	0m 35s	The patch does not generate ASF License warnings.
		160m 44s	

Reason	Tests
Failed junit tests	hadoop.yarn.util.resource.TestResourceCalculator

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:bdbca0e
JIRA Issue	YARN-9440
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12965420/YARN-9440.001.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux a5f8bc9d1c2a 4.4.0-139-generic #165-Ubuntu SMP Wed Oct 24 10:58:50 UTC 2018 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / 5583e1b
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_191
findbugs	v3.1.0-RC1

findbugs	https://builds.apache.org/job/PreCommit-YARN-Build/23964/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/23964/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn.tx
unit	https://builds.apache.org/job/PreCommit-YARN-Build/23964/artifact/out/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-common.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/23964/testReport/
Max. process+thread count	913 (vs. ulimit of 10000)
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server-server-ser
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/23964/console
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org

➤ ○ Weiwei Yang added a comment - 16/Apr/19 14:35

Thanks Tao Yang, I'll help to review the patch this week.

▼ ○ Tao Yang added a comment - 17/Apr/19 02:29

Thanks cheersyang.

Attached v2 patch to fix UT failures which are caused by the modification of diagnostics (a separator in diagnostics have changed from ":" to "=").

➤ ○ Hadoop QA added a comment - 17/Apr/19 05:13



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 7 new or modified test files.
			trunk Compile Tests
0	mvndep	0m 49s	Maven dependency ordering for branch
+1	mvninstall	17m 34s	trunk passed
+1	compile	8m 57s	trunk passed
+1	checkstyle	1m 16s	trunk passed
+1	mvnsite	1m 50s	trunk passed
+1	shadedclient	13m 38s	branch has no errors when building and testing our client artifacts.
-1	findbugs	1m 22s	hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager in trunk has 2 extant Findbugs warnings.
+1	javadoc	1m 34s	trunk passed
			Patch Compile Tests
0	mvndep	0m 14s	Maven dependency ordering for patch
+1	mvninstall	1m 18s	the patch passed
+1	compile	7m 49s	the patch passed
+1	javac	7m 49s	the patch passed
-0	checkstyle	1m 10s	hadoop-yarn-project/hadoop-yarn: The patch generated 5 new + 196 unchanged - 19 fixed = 201 total (was 215)
+1	mvnsite	1m 44s	the patch passed
+1	whitespace	0m 0s	The patch has no whitespace issues.
+1	shadedclient	11m 53s	patch has no errors when building and testing our client artifacts.
+1	findbugs	3m 11s	the patch passed
+1	javadoc	1m 30s	the patch passed
			Other Tests
+1	unit	3m 54s	hadoop-yarn-common in the patch passed.

+1	unit	80m 46s	hadoop-yarn-server-resourcemanager in the patch passed.
+1	asflicense	0m 40s	The patch does not generate ASF License warnings.
		162m	
		28s	

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:bdbca0e
JIRA Issue	YARN 9440
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12966175/YARN-9440.002.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux 162e4e227a6f 4.4.0-139-generic #165-Ubuntu SMP Wed Oct 24 10:58:50 UTC 2018 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / 04c0437
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_191
findbugs	v3.1.0-RC1
findbugs	https://builds.apache.org/job/PreCommit-YARN-Build/23979/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/23979/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn.txt
Test Results	https://builds.apache.org/job/PreCommit-YARN-Build/23979/testReport/
Max. process+thread count	865 (vs. ulimit of 10000)
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/hadoop-yarn-server/hadoop-yarn-project/hadoop-yarn
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/23979/console
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org

■ Weiwei Yang added a comment - 24/Apr/19 09:32

Hi Tao Yang

I just did a high-level review about the patch. One thought is we probably can simplify the invocation of DiagnosticsCollector classes. Right now a lot of changes are due to passing an instance in the method signature. Can we use a singleton instead?

Please take a look, thanks

✓ ○ Weiwei Yang added a comment - 24/Apr/19 12:00

Hi Tao Yang

Some more comments

Regular Container Allocator #pre Check For Node Candidate Set

it gets a PCDiagnosticsCollector and uses that to collect diaglosis info from #precheckNode. However, precheck might fail with other reasons, not just PC violation. I think it makes more sense to let precheckNode throw exception instead of returning a bool value. So we can put a detail error message in the exception. And use that for logging the activity too.

This patch modifies ResourceCalculator base class, let's not do that. We should keep RC class as it is, without adding ResourceDiagnosticsCollector to any of method signatures. We can collect info outside of this class. Same comment applies to Resources too.

Thanks

▼ ○ Tao Yang added a comment - 25/Apr/19 04:26

Thanks cheersyang for the review.

I think we should discuss the collect approach according to both two factors: performance and invasion, and we should find a more balanced way between performance and invasion. The purpose of current way(pass an collector option, which we can give a non-empty option only when we actually need to record the diagnostics for current allocation, into the final violation methods) is to lower overhead of the activities recording as much as possible. But this way will increase invasion and the cost is that basic class like ResourceCalculator and PlacementConstraintsUtils and the calling stacks should be affected.

Right now a lot of changes are due to passing an instance in the method signature. Can we use a singleton instead?

I think it's hard to control and pass the diagnostics from basic class to top-level calling process since it may be called by multiple threads belongs to different processes like allocation, commit and preemption. Another way is to pass diagnostics via return object, but it seems to be more invasive.

However, precheck might fail with other reasons, not just PC violation.

Yes, there may be other reasons like "partition doesn't match" and "request doesn't exist yet" which can't be tracked by PCDiagnosticsCollector, perhaps we should replace PCDiagnosticsCollector with a more generic collector to track common diagnostics including all these reasons. Thoughts?

So we can put a detail error message in the exception. And use that for logging the activity too.

I think exception is too expensive to used as a medium to pass the diagnostics, especially for the most frequently scheduling process.

We should keep RC class as it is, without adding ResourceDiagnosticsCollector to any of method signatures. We can collect info outside of this class. Same comment applies to Resources too.

As the concern about the performance, collect outside of these classes will raise requirements to calculate again if necessary(means this activities need to be recored) to get the diagnostics, is this acceptable?

▼ ○ Tao Yang added a comment - 30/Apr/19 12:54

Thanks cheersyang for some advices when we talked on the phone.

Attached v3 patch to refactor DiagnosticsCollector interface and replace its implements(ResourceDiagnosticsCollector/PlacementConstraintsDiagnosticsCollector) with GenericDiagnosticsCollector. Move collection logic of resource diagnostics outside of the ResourceCalculator to not affect basic classes but keep passing optional collector into the calling stack of PC verification to avoid performance regression via collecting diagnostics only when necessary (activities enabled for current node/app and PC/partition mismatched).

▼ ○ Hadoop QA added a comment - 30/Apr/19 15:43

-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 7 new or modified test files.	
			trunk Compile Tests	
0	mvndep	0m 54s	Maven dependency ordering for branch	
+1	mvninstall	16m 57s	trunk passed	
+1	compile	8m 28s	trunk passed	
+1	checkstyle	1m 9s	trunk passed	
+1	mvnsite	1m 37s	trunk passed	
+1	shadedclient	13m 19s	branch has no errors when building and testing our client artifacts.	
+1	findbugs	2m 40s	trunk passed	
+1	javadoc	1m 21s	trunk passed	
			Patch Compile Tests	
0	mvndep	0m 14s	Maven dependency ordering for patch	
+1	mvninstall	1m 16s	the patch passed	
+1	compile	7m 58s	the patch passed	
+1	javac	7m 58s	the patch passed	
-0	checkstyle	1m 3s	hadoop-yarn-project/hadoop-yarn: The patch generated 5 new + 189 unchanged - 19 fixed = 194 total (was 208)	
+1	mvnsite	1m 32s	the patch passed	
+1	whitespace	0m 1s	The patch has no whitespace issues.	
+1	shadedclient	11m 16s	patch has no errors when building and testing our client artifacts.	
+1	findbugs	3m 1s	the patch passed	
+1	javadoc	1m 16s	the patch passed	
			Other Tests	

+1	unit	3m 42s	hadoop-yarn-common in the patch passed.
-1	unit	77m 47s	hadoop-yarn-server-resourcemanager in the patch failed.
+1	asflicense	0m 37s	The patch does not generate ASF License warnings.
		155m 45s	

Reason	Tests
Failed junit tests	hado op. yarn. server. resource manager. scheduler. capacity. Test Reservations

Subsystem	Report/Notes
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:bdbca0e
JIRA Issue	YARN-9440
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12967487/YARN-9440.003.patch
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle
uname	Linux c5fb9b424c3b 4.4.0-138-generic #164-Ubuntu SMP Tue Oct 2 17:16:02 UTC 2018 x86_64 x86_64 x86_64 GNU/Linux
Build tool	maven
Personality	/testptch/patchprocess/precommit/personality/provided.sh
git revision	trunk / dead9b4
maven	version: Apache Maven 3.3.9
Default Java	1.8.0_191
findbugs	v3.1.0-RC1
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/24033/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn.txt
unit	https://builds.apache.org/job/PreCommit-YARN-Build/24033/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/24033/testReport/
Max. process+thread count	924 (vs. ulimit of 10000)
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/24033/console
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org

➤ ○ Hadoop QA added a comment - 01/May/19 04:48



Vote	Subsystem	Runtime	Comment					
0	reexec	0m 40s	Docker mode activated.					
			Prechecks					
+1	@author	0m 0s	he patch does not contain any @author tags.					
+1	test4tests	0m 0s	The patch appears to include 7 new or modified test files.					
			trunk Compile Tests					
0	mvndep	1m 33s	Maven dependency ordering for branch					
+1	mvninstall	34m 24s	trunk passed					
+1	compile	13m 8s	trunk passed					
+1	checkstyle	3m 39s	trunk passed					
+1	mvnsite	6m 4s	trunk passed					
+1	shadedclient	31m 12s	branch has no errors when building and testing our client artifacts.					
+1	findbugs	9m 48s	trunk passed					
+1	javadoc	3m 7s	trunk passed					

			[Tital 5 16] Improve daughosides for semediater and app activities. That street				
			Patch Compile Tests				
0	mvndep	0m 40s	Maven dependency ordering for patch				
+1	mvninstall	3m 37s	the patch passed				
+1	compile	8m 23s	the patch passed				
+1	javac	8m 23s	the patch passed				
-0	checkstyle	1m 11s	hadoop-yarn-project/hadoop-yarn: The patch generated 5 new + 189 unchanged - 19 fixed = 194 total (was 208)				
+1	mvnsite	1m 49s	the patch passed				
+1	whitespace	0m 0s	The patch has no whitespace issues.				
+1	shadedclient	12m 19s	patch has no errors when building and testing our client artifacts.				
+1	findbugs	3m 27s	the patch passed				
+1	javadoc	1m 28s	the patch passed				
			Other Tests				
+1	unit	4m 1s	hadoop-yarn-common in the patch passed.				
-1	unit	83m 0s	hadoop-yarn-server-resourcemanager in the patch failed.				
+1	asflicense	0m 47s	The patch does not generate ASF License warnings.				
		217m 56s					

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

Subsystem	Report/Notes		
Docker	Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:bdbca0e		
JIRA Issue	YARN 9440		
JIRA Patch URL	https://issues.apache.org/jira/secure/attachment/12967542/YARN-9440.003.patch		
Optional Tests	dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle		
uname	Linux 26fbf1efdd6b 4.4.0-143-generic #169~14.04.2-Ubuntu SMP Wed Feb 13 15:00:41 UTC 2019 x86_64 x86_64 GNU/Linux		
Build tool	maven		
Personality	/testptch/patchprocess/precommit/personality/provided.sh		
git revision	trunk / 4877f0a		
maven	version: Apache Maven 3.3.9		
Default Java	1.8.0_191		
findbugs	v3.1.0-RC1		
checkstyle	https://builds.apache.org/job/PreCommit-YARN-Build/24034/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn.txt		
unit	https://builds.apache.org/job/PreCommit-YARN-Build/24034/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/24034/testReport/		
Max. process+thread count	873 (vs. ulimit of 10000)		
modules	C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager U: hadoop-yarn-project/hadoop-yarn		
Console output	https://builds.apache.org/job/PreCommit-YARN-Build/24034/console		
Powered by	Apache Yetus 0.8.0 http://yetus.apache.org		

➤ ○ Weiwei Yang added a comment - 02/May/19 04:15

Hi Tao Yang

Thanks for the patch. Latest patch almost looks good. Could you please fix remaining checkstyle issues? And another thing, please confirm failed UTs were not related to this patch.

Thanks

▼ ○ Tao Yang added a comment - 02/May/19 14:48

Thanks cheersyang for the review. Remaining check-style warnings are all about ParameterNumber (More than 7 parameters) which should be required. UT failures seems unrelated to this patch and hard to reproduce them in my local environment.

Weiwei Yang added a comment - 06/May/19 12:07

Thanks Tao Yang. Just committed the patch to trunk. Thank you for the contribution.

▼ ○ Hudson added a comment - 06/May/19 12:22

SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #16506 (See https://builds.apache.org/job/Hadoop-trunk-Commit/16506/) YARN 9440. Improve diagnostics for scheduler and app activities. (wwei: rev 12b7059ddc8d8f67dd7131565f03a0e09cb92ca7)

- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/ActivitiesManager.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/NodeAllocation.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/webapp/dao/AppAllocationInfo.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/TestActivitiesManager.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/AllocationActivity.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/webapp/dao/AppRequestAllocationInfo.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/ActivityDiagnosticConstant.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/constraint/TestPlacementConstraintsUtil.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/ActivitiesLogger.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/constraint/PlacementConstraintsUtil.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/AppPlacementAllocator.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/AppAllocation.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/GenericDiagnosticsCollector.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/capacity/allocator/RegularContainerAllocator.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/java/org/apache/hadoop/yarn/util/resource/ResourceCalculator.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/activities/DiagnosticsCollector.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/ActivityNode.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/webapp/TestRMWebServicesSchedulerActivities.java
 (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-
- common/src/main/java/org/apache/hadoop/yarn/util/resource/DefaultResourceCalculator.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/webapp/TestRMWebServicesCapacitySched.java
- (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/webapp/ActivitiesTestUtils.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/webapp/TestRMWebServicesSchedulerActivitiesWithMultiNodesEnak
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/capacity/LeafQueue.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/test/java/org/apache/hadoop/yarn/util/resource/TestResourceCalculator.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/webapp/dao/ActivityNodeInfo.java
 (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-
- resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/placement/SingleConstraintAppPlacementAllocator.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-serverresourcemanager/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/main/java/org/apache/hadoop/yarn/server/resourcemanager/webapp/dao/ActivitiesInfo.java
- (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarncommon/src/main/java/org/apache/hadoop/yarn/util/resource/DominantResourceCalculator.java

~	Tao	Yang a	dded a	comment -	07/May/19	09:00
	U Iau	Tally at	uueu a	comment -	U//iviay/19	09.00

Thanks cheersyang for the review and commit!

People

Assignee:



140 1411

Reporter:

Tao Yang

Votes:

• Vote for this issue

Watchers:

3 Start watching this issue

Dates

Created:

04/Apr/19 06:25

Updated:

07/May/19 09:00

Resolved:

06/May/19 12:08