

git_comments:**git_commits:**

1. **summary:** catch bad version in persistentopic, make its behavior same as namespace (#3260)
message: catch bad version in persistentopic, make its behavior same as namespace (#3260) ### Motivation Fixes #2952 make topic's behavior same as [Namespaces.java](https://github.com/apache/pulsar/blob/master/pulsar-broker/src/main/java/org/apache/pulsar/broker/admin/impl/NamespacesBase.java)

github_issues:

1. **title:** Setting topic permission under load
body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
<https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole> body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider\$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.ServerRuntime\$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint\$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at

org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

2. title: Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:

https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs 12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at 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org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-

9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint\$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:9.3.11.v20160721] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:9.3.11.v20160721] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:9.3.11.v20160721] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

3. title: Setting topic permission under load
body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider\$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.ServerRuntime\$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25.jar:2] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25.jar:2] at org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25.jar:2] at org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25.jar:2] at org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25.jar:2] at org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25.jar:2] at org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25.jar:2] at org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25.jar:2] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25.jar:2] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25.jar:2] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25.jar:2] at org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-

9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint\$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

4. title: Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like: https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs 12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider\$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime\$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at

org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-
jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-
jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint\$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-
metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-
pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-
pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at
java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at
io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at
java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - -
[07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"
"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668
[pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643
[pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-
web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

5. title: Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return
status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged
exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in
parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a
docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole:
[produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase -
[superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode
= BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-
2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at
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2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-
2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at
java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at
org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider\$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143)
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org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime\$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-
server-2.25.jar:?] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
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org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
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org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]

at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
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org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.io.SelectChannelEndPoint\$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:9.3.11.v20160721] at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at
java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at
io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at
java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"
"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668
[pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643
[pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

label: code-design

6. **title:** Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:143) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.ServerRuntime\$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:9.3.11.v20160721] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:9.3.11.v20160721] at

org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-
jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-
jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint\$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-
metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-
pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-
pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at
java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at
io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at
java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 --
[07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"
"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668
[pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643
[pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-
web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

7. **title:** Setting topic permission under load
body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return
status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged
exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in
parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a
docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole:
[produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase -
[superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorException
= BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-
2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at
org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3\$101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-
2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-
2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at
java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at
org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider\$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime\$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-
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org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at

org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at 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org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/t1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/t1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/t1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/t1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/t1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

8. **title:** Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like: https://localhost:8081/admin/v2/persistent/t1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs 12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://t1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://t1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/t1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider\$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.Runtime\$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at


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org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
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org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
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org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
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org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at
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java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"
"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341
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9. title: Setting topic permission under load
body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume], - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar-zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.pulsar-zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.pulsar-pulsar-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar-zookeeper.ZooKeeperClient.\$21.call(ZooKeeperClient.java:1065) ~[org.apache.pulsar-pulsar-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar-zookeeper.ZooKeeperClient.\$21.call(ZooKeeperClient.java:1059) ~[org.apache.pulsar-pulsar-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar-zookeeper.ZooKeeperClient.set\$Data(ZooKeeperClient.java:1059) ~[org.apache.pulsar-pulsar-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar-zookeeper.ZooKeeperClient.set\$Data(ZooKeeperClient.java:1059) ~[org.apache.pulsar-pulsar-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider\$

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[org.glassfish.jersey.core-jersey-server-2.25.jar:] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102)
[org.glassfish.jersey.core-jersey-server-2.25.jar:] at org.glassfish.jersey.server.ServerRuntime$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:] at org.glassfish.jersey.internal.Errors$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:] at org.glassfish.jersey.internal.Errors$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:] at org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:] at org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:] at org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:] at org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:] at org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:] at org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:] at org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:] at org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:] at org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-functions-metrics-2.2.0.jar:] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341
```

10. **title:** Setting topic permission under load
body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:] at

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[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102)
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org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
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org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
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org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
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org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
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org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
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org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
at org.eclipse.jetty.io.SelectChannelEndPoint\$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at
at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at
at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at
at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at
at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at
at java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"
"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

11. title: Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper KeeperException: KeeperException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at
org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3\$101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at
org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at
sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at
java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at
org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81)

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[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher$1.run(AbstractJavaResourceMethodDispatcher.java:144)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.internal.Errors$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at
io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at
java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 --
[07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"
"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668
[pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643
[pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 -- [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341
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12. title: Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-

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2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at
java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at
org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory$1.invoke(ResourceMethodInvocationHandlerFactory.java:81)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher$1.run(AbstractJavaResourceMethodDispatcher.java:144)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-
server-2.25.jar:?] at org.glassfish.jersey.internal.Errors$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-
jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-
jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-
metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-
pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-
pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at
io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at
java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - -
[07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"
"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668
[pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643
[pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-
web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

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13. title: Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5%5Cmeta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0%5Cdata org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at

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org.apache.bookkeeper.zookeeper.ZooKeeperClient$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at
org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-
2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-
2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at
java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at
org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory$1.invoke(ResourceMethodInvocationHandlerFactory.java:81)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher$1.run(AbstractJavaResourceMethodDispatcher.java:144)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
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[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102)
[org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-
server-2.25.jar:?] at org.glassfish.jersey.internal.Errors$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
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org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at
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org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at
org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at
org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at
org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721]
at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-
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9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-
jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-
jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-
9.3.11.v20160721.jar:9.3.11.v20160721] at
org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-
metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-
pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-
pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [?:1.8.0_171] at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at
io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at
java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - -
[07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"
"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668
[pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643
[pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-
web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

```

14. **title:** Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:

```

https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return
status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged
exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in
parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a
docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs
12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole:
[produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase -
[superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException$BadVersionException: KeeperErrorCode

```



```
= BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.internal.Errors$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:?] at org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:?] at org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:?] at org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:?] at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at java.lang.Thread.run(Thread.java:748) [?:1.8.0_171] 12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341
```

15. **title:** Setting topic permission under load

body: ##### Expected behavior Do a REST call to admin interface for setting topic permissions like:
https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole body: {'testrole': ['consume', 'produce']} Should work every time and return status 204. ##### Actual behavior When this is done with heavy load setting up permission for many topics in parallel. Some will result in the below logged exception and status code 500. ##### Steps to reproduce Set up tenant and namespace, then run the set permission for many different topics in that namespace in

parallel. I use the same role and actions for all of them. ##### System configuration pulsar: 2.2.0 This error was when running the broker in standalone mode in a docker container supplied on docker hub, with authorisation and authentication via client certs. Have not tested on our full pulsar setup yet. ##### Logs

12:27:31.613 [pulsar-web-53-28] INFO org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Successfully granted access for role testrole: [produce, consume] - topic persistent://tt1/testns1/t5/meta 12:27:31.587 [pulsar-web-53-30] ERROR org.apache.pulsar.broker.admin.impl.PersistentTopicsBase - [superUser] Failed to grant permissions for topic persistent://tt1/testns1/t0/data org.apache.zookeeper.KeeperException\$BadVersionException: KeeperErrorCode = BadVersion for /admin/policies/tt1/testns1 at org.apache.zookeeper.KeeperException.create(KeeperException.java:118) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.KeeperException.create(KeeperException.java:54) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.zookeeper.ZooKeeper.setData(ZooKeeper.java:1336) ~[org.apache.pulsar-pulsar-zookeeper-2.2.0.jar:2.2.0] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.access\$3101(ZooKeeperClient.java:70) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1065) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient\$21.call(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooWorker.syncCallWithRetries(ZooWorker.java:140) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.bookkeeper.zookeeper.ZooKeeperClient.setData(ZooKeeperClient.java:1059) ~[org.apache.bookkeeper-bookkeeper-server-4.7.2.jar:4.7.2] at org.apache.pulsar.broker.admin.impl.PersistentTopicsBase.internalGrantPermissionsOnTopic(PersistentTopicsBase.java:274) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.apache.pulsar.broker.admin.v2.PersistentTopics.grantPermissionsOnTopic(PersistentTopics.java:107) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[?:1.8.0_171] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~[?:1.8.0_171] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) ~[?:1.8.0_171] at java.lang.reflect.Method.invoke(Method.java:498) ~[?:1.8.0_171] at org.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory\$1.invoke(ResourceMethodInvocationHandlerFactory.java:81) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher\$1.run(AbstractJavaResourceMethodDispatcher.java:144) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:161) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider\$VoidOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:143) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:99) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInvoker.java:389) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:347) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvoker.java:102) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.ServerRuntime\$2.run(ServerRuntime.java:326) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:271) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors\$1.call(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors.process(Errors.java:315) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors.process(Errors.java:297) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.internal.Errors.process(Errors.java:267) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:317) [org.glassfish.jersey.core-jersey-common-2.25.jar:2.25] at org.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:305) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:1154) [org.glassfish.jersey.core-jersey-server-2.25.jar:2.25] at org.glassfish.jersey.servlet.WebComponent.serviceImpl(WebComponent.java:473) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:427) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:388) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:341) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:228) [org.glassfish.jersey.containers-jersey-container-servlet-core-2.25.jar:2.25] at org.eclipse.jetty.servlet.ServletHolder.handle(ServletHolder.java:845) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1689) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.ResponseHandlerFilter.doFilter(ResponseHandlerFilter.java:53) [org.apache.pulsar-pulsar-broker-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.apache.pulsar.broker.web.AuthenticationFilter.doFilter(AuthenticationFilter.java:74) [org.apache.pulsar-pulsar-broker-common-2.2.0.jar:2.2.0] at org.eclipse.jetty.servlet.ServletHandler\$CachedChain.doFilter(ServletHandler.java:1676) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doHandle(ServletHandler.java:581) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doHandle(SessionHandler.java:224) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doHandle(ContextHandler.java:1180) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.servlet.ServletHandler.doScope(ServletHandler.java:511) [org.eclipse.jetty-jetty-servlet-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.session.SessionHandler.doScope(SessionHandler.java:185) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandler.doScope(ContextHandler.java:1112) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ScopedHandler.handle(ScopedHandler.java:141) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.ContextHandlerCollection.handle(ContextHandlerCollection.java:213) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerCollection.handle(HandlerCollection.java:119) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.handler.HandlerWrapper.handle(HandlerWrapper.java:134) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.Server.handle(Server.java:524) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpChannel.handle(HttpChannel.java:319) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.server.HttpConnection.onFillable(HttpConnection.java:253) [org.eclipse.jetty-jetty-server-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:202) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:273) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:95) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.io.SelectChannelEndPoint\$2.run(SelectChannelEndPoint.java:93) [org.eclipse.jetty-jetty-io-9.3.11.v20160721.jar:9.3.11.v20160721] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.executeProduceConsume(ExecuteProduceConsume.java:303) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:2.2.0] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.produceConsume(ExecuteProduceConsume.java:148) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:2.2.0] at org.eclipse.jetty.util.thread.strategy.ExecuteProduceConsume.run(ExecuteProduceConsume.java:136) [org.apache.pulsar-pulsar-functions-metrics-2.2.0.jar:2.2.0] at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624) [?:1.8.0_171] at io.netty.util.concurrent.FastThreadLocalRunnable.run(FastThreadLocalRunnable.java:30) [io.netty-netty-all-4.1.22.Final.jar:4.1.22.Final] at java.lang.Thread.run(Thread.java:748) [?:1.8.0_171]

12:27:31.669 [pulsar-web-53-27] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t6%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-"

"Python/3.7 aiohttp/3.4.2" 385 12:27:31.669 [pulsar-web-53-31] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t7%5Cmeta/permissions/testrole HTTP/1.1" 500 5652 "-" "Python/3.7 aiohttp/3.4.2" 402 12:27:31.668 [pulsar-web-53-29] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t8%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 371 12:27:31.643 [pulsar-web-53-28] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t5%5Cmeta/permissions/testrole HTTP/1.1" 204 0 "-" "Python/3.7 aiohttp/3.4.2" 173 12:27:31.642 [pulsar-web-53-24] INFO org.eclipse.jetty.server.RequestLog - 172.17.0.1 - - [07/Nov/2018:12:27:31 +0000] "POST https://localhost:8081/admin/v2/persistent/tt1/testns1/t4%5Cdata/permissions/testrole HTTP/1.1" 500 6238 "-" "Python/3.7 aiohttp/3.4.2" 341

github_issues_comments:

1. Now verified same issue on a full Pulsar setup.
2. I think the problem might be related to concurrent updates on namespace policy. we can probably handle the bad version and retry, or put all the updates on same namespace in ordered executor.
3. Yes, the zookeeper bad version implies that pulsar have concurrent updates. At least a retry is needed. Don't know if a queue would help, do you only have one entry point? Otherwise, you would still have potential concurrent updates. Harald
4. Hi, Just a comment is it not normal to give status service unavailable 503, for a retry scenario. Status conflict implies that the client has sent a faulty request, which is not the case, and sometimes it could be hard to distinguish this conflict from an actual conflict, and a need to still parse response text. Or is this zookeeper conflict handled inside pulsar with a retry. Harald On Fri, 28 Dec 2018, 19:15 Sijie Guo <notifications@github.com> wrote: > Closed #2952 <<https://github.com/apache/pulsar/issues/2952>> via 1fa81ca > <<https://github.com/apache/pulsar/commit/1fa81ca54f688938c83a0be3c98bebc7589be668>> > . > > â€” > You are receiving this because you authored the thread. > Reply to this email directly, view it on GitHub > <<https://github.com/apache/pulsar/issues/2952#event-2047561931>>, or mute > the thread > <https://github.com/notifications/unsubscribe-auth/ADKqXSU-BC9QxLxFu9KKjppUfPNwcDxzks5u9l_dgaJpZM4YSXhe> > . >
5. **body:** @HaraldGustafsson At the time of bad version happening, it means there are concurrent updates to namespace policy. It is hard to determine what is the real conflict and what conflict it is. so returning CONFLICT status code sounds a right approach to me. IMO, Pulsar applications which are using pulsar admin api should be able to catch this exception and retries, because pulsar applications are better places to resolve the conflict. Does that align with what you are thinking?
label: code-design
6. I understand the reasoning, but from the api it is not obvious that when you change permissions on different topics in the same namespace that you could get this concurrent conflict (and should retry), if you don't know that all topics permissions are stored in the namespace. At least I did not know it before digging a bit deeper. When realising this I needed to queue such operations on the client side and add retry since multiple workers might attempt to do changes. So when setting up many topics, with several configurations like retention, ttl, permissions, etc, they all need to be queued, and get rtt delay. In my setup, for each admin request we get we need to queue around 10 admin requests to pulsar, with retries even more. Would it be possible to introduce a larger namespace policy update method to change multiple things simultaneously, since in my case the conflict was often due to changing several things in the ns policy. On Fri, 28 Dec 2018, 19:49 Sijie Guo <notifications@github.com> wrote: > @HaraldGustafsson <<https://github.com/HaraldGustafsson>> At the time of > bad version happening, it means there are concurrent updates to namespace > policy. It is hard to determine what is the real conflict and what conflict > it is. so returning CONFLICT status code sounds a right approach to me. > IMO, Pulsar applications which are using pulsar admin api should be able to > catch this exception and retries, because pulsar applications are better > places to resolve the conflict. Does that align with what you are thinking? > > â€” > You are receiving this because you were mentioned. > Reply to this email directly, view it on GitHub > <<https://github.com/apache/pulsar/issues/2952#issuecomment-450408555>>, or mute > the thread > <https://github.com/notifications/unsubscribe-auth/ADKqXf-Nb3u2i7X88mY23dJtaugbUCD_ks5u9metgaJpZM4YSXhe> > . >
7. @HaraldGustafsson I see your point now. Let me reopen this issue and think through a better solution on addressing such conflicts.
8. @HaraldGustafsson for my point of view, ****retry**** could not a good solution, due to retry also could fail again. Maybe a queue/or only one request at one time is a better idea, what I know for kafka-manager to change policy does like this . @sijie what do you think about this ?
9. @foreversunyao - > Maybe a queue/or only one request at one time is a better idea, what I know for kafka-manager to change policy does like this . I was thinking about same thing, that sgtm
10. @sijie I'll try to add one global write lock for this request first, I think it could be enough for change policy.
11. @foreversunyao sgtm
12. @sijie for this issue, I am considering create a persistent zknode in zk if not exists, zknode name is the namespace name . by this way to implement a lock for change permission. But I have a problem which path I should use, what do you think about this ? current path: [zookeeper, counters, ledgers, managed-ledgers, schemas, namespace, admin, loadbalance]
13. @HaraldGustafsson @sijie @merlimat , Hi, I made a pr <https://github.com/apache/pulsar/pull/3398/> for this issue , tried to add a zknode for mutex(to be honest, it's only a short way like queue size is one, could not a best way). Right now, what I think we could have 2 other ways to do ****retry**** thing except this one: - 1, use zk sequential node for a queue to do retry , could be smarter to do retry but more logics in code , like check the sequence of request. - 2, use simple retry like sleep a while and retry until the timeout , but cant guarantee grant order is same as the request order . any ideas ? thanks

github_pulls:

1. **title:** catch bad version in persistenttopic, make its behavior same as namespace
body: **###** Motivation try to solve issue #2952 , and make topic's behavior same as [Namespaces.java](<https://github.com/apache/pulsar/blob/master/pulsar-broker/src/main/java/org/apache/pulsar/broker/admin/impl/NamespacesBase.java>) **###** Modifications PersistentTopicsBase.java **###** Result After your change, what will change.
2. **title:** catch bad version in persistenttopic, make its behavior same as namespace
body: **###** Motivation try to solve issue #2952 , and make topic's behavior same as [Namespaces.java](<https://github.com/apache/pulsar/blob/master/pulsar-broker/src/main/java/org/apache/pulsar/broker/admin/impl/NamespacesBase.java>) **###** Modifications PersistentTopicsBase.java **###** Result After your change, what will change.

github_pulls_comments:

github_pulls_reviews:

jira_issues:

jira_issues_comments: