

**git\_comments:**

1. It is possible that the node might be deleted between the check and the actual delete.. which might lead to an exception that can bring down the daemon running this SecretManager

**git\_commits:**

1. **summary:** HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh.  
**message:** HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh. (cherry picked from commit fc90bf7b27cc20486f2806670a14fd7d654b0a31)

**github\_issues:****github\_issues\_comments:****github\_pulls:****github\_pulls\_comments:****github\_pulls\_reviews:****jira\_issues:**

1. **summary:** Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted  
**description:** The delete node code in {{ZKDelegationTokenSecretManager}} is as follows : {noformat} while(zkClient.checkExists().forPath(nodeRemovePath) != null){ zkClient.delete().guaranteed().forPath(nodeRemovePath); } {noformat} When instances of a Service using {{ZKDelegationTokenSecretManager}} try deleting a node simultaneously, It is possible that all of them enter into the while loop in which case, all peers will try to delete the node.. Only 1 will succeed and the rest will throw an exception.. which will bring down the node. The Exception is as follows : {noformat} 2015-03-15 10:24:54,000 ERROR org.apache.hadoop.security.token.delegation.AbstractDelegationTokenSecretManager: ExpiredTokenRemover thread received unexpected exception java.lang.RuntimeException: Could not remove Stored Token ZKDTSMDelegationToken\_28 at org.apache.hadoop.security.token.delegation.ZKDelegationTokenSecretManager.removeStoredToken(ZKDelegationTokenSecretManager.java:770) at org.apache.hadoop.security.token.delegation.AbstractDelegationTokenSecretManager.removeExpiredToken(AbstractDelegationTokenSecretManager.java:605) at org.apache.hadoop.security.token.delegation.AbstractDelegationTokenSecretManager.access\$400(AbstractDelegationTokenSecretManager.java:54) at org.apache.hadoop.security.token.delegation.AbstractDelegationTokenSecretManager\$ExpiredTokenRemover.run(AbstractDelegationTokenSecretManager.java:656) at java.lang.Thread.run(Thread.java:745) Caused by: org.apache.zookeeper.KeeperException\$NoNodeException: KeeperErrorCode = NoNode for /zkdtsm/ZKDTSMRoot/ZKDTSMTokensRoot/DT\_28 at org.apache.zookeeper.KeeperException.create(KeeperException.java:111) at org.apache.zookeeper.KeeperException.create(KeeperException.java:51) at org.apache.zookeeper.ZooKeeper.delete(ZooKeeper.java:873) at org.apache.curator.framework.imps.DeleteBuilderImpl\$5.call(DeleteBuilderImpl.java:238) at org.apache.curator.framework.imps.DeleteBuilderImpl\$5.call(DeleteBuilderImpl.java:233) at org.apache.curator.RetryLoop.callWithRetry(RetryLoop.java:107) at org.apache.curator.framework.imps.DeleteBuilderImpl.pathInForeground(DeleteBuilderImpl.java:230) at org.apache.curator.framework.imps.DeleteBuilderImpl.forPath(DeleteBuilderImpl.java:214) at org.apache.curator.framework.imps.DeleteBuilderImpl.forPath(DeleteBuilderImpl.java:41) at org.apache.hadoop.security.token.delegation.ZKDelegationTokenSecretManager.removeStoredToken(ZKDelegationTokenSecretManager.java:764) ... 4 more {noformat}

**jira\_issues\_comments:**

1. **body:** Attaching trivial patch. Please note : no tests are attached since unit-testing this scenario is difficult as it would require precise timing  
**label:** test
2. {color:red}-1 overall{color}. Here are the results of testing the latest attachment <http://issues.apache.org/jira/secure/attachment/12704890/HADOOP-11722.1.patch> against trunk revision 2681ed9. {color:green}+1 @author{color}. The patch does not contain any @author tags. {color:red}-1 tests included{color}. The patch doesn't appear to include any new or modified tests. Please justify why no new tests are needed for this patch. Also please list what manual steps were performed to verify this patch. {color:green}+1 javac{color}. The applied patch does not increase the total number of javac compiler warnings. {color:green}+1 javadoc{color}. There were no new javadoc warning messages. {color:green}+1 eclipse:eclipse{color}. The patch built with eclipse:eclipse. {color:green}+1 findbugs{color}. The patch does not introduce any new Findbugs (version 2.0.3) warnings. {color:green}+1 release audit{color}. The applied patch does not increase the total number of release audit warnings. {color:green}+1 core tests{color}. The patch passed unit tests in hadoop-common-project/hadoop-common. Test results: <https://builds.apache.org/job/PreCommit-HADOOP-Build/5954/testReport/> Console output: <https://builds.apache.org/job/PreCommit-HADOOP-Build/5954/console> This message is automatically generated.
3. **body:** Patch looks pretty good to me, and I agree that the fix is sufficiently obvious/difficult to test that a test isn't necessary. My only suggestion is to change the comment to say that the exception "can bring down \*the daemon running this SecretManager\*" instead of "the node." As it stands, you're using the word "node" twice in the same comment to refer to very different things - one in ZK, one the daemon. I'll be +1 once this is addressed.  
**label:** code-design
4. Thanks for the review [-atm]. Uploading patch with the comments fixed..
5. {color:red}-1 overall{color}. Here are the results of testing the latest attachment <http://issues.apache.org/jira/secure/attachment/12705201/HADOOP-11722.2.patch> against trunk revision 968425e. {color:green}+1 @author{color}. The patch does not contain any @author tags. {color:red}-1 tests included{color}. The patch doesn't appear to include any new or modified tests. Please justify why no new tests are needed for this patch. Also please list what manual steps were performed to verify this patch. {color:green}+1 javac{color}. The applied patch does not increase the total number of javac compiler warnings. {color:green}+1 javadoc{color}. There were no new javadoc warning messages. {color:green}+1 eclipse:eclipse{color}. The patch built with eclipse:eclipse. {color:green}+1 findbugs{color}. The patch does not introduce any new Findbugs (version 2.0.3) warnings. {color:green}+1 release audit{color}. The applied patch does not increase the total number of release audit warnings. {color:red}-1 core tests{color}. The following test timeouts occurred in hadoop-common-project/hadoop-common: org.apache.hadoop.http.TestHttpServerLifecycle Test results: <https://builds.apache.org/job/PreCommit-HADOOP-Build/5962/testReport/> Console output: <https://builds.apache.org/job/PreCommit-HADOOP-Build/5962/console> This message is automatically generated.
6. +1, the latest patch looks good to me. I'm confident the test failure is unrelated, and as mentioned before I don't think this change warrants a new test. I'm going to commit this momentarily.
7. I've just committed this to trunk and branch-2. Thanks very much for the contribution, Arun.
8. FAILURE: Integrated in Hadoop-trunk-Commit #7353 (See [<https://builds.apache.org/job/Hadoop-trunk-Commit/7353/>]) HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh. (atm: rev fc90bf7b27cc20486f2806670a14fd7d654b0a31) \* hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/security/token/delegation/ZKDelegationTokenSecretManager.java \* hadoop-common-project/hadoop-common/CHANGES.txt
9. FAILURE: Integrated in Hadoop-Yarn-trunk-Java8 #136 (See [<https://builds.apache.org/job/Hadoop-Yarn-trunk-Java8/136/>]) HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh. (atm: rev fc90bf7b27cc20486f2806670a14fd7d654b0a31) \* hadoop-common-project/hadoop-common/CHANGES.txt \* hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/security/token/delegation/ZKDelegationTokenSecretManager.java
10. FAILURE: Integrated in Hadoop-Yarn-trunk #870 (See [<https://builds.apache.org/job/Hadoop-Yarn-trunk/870/>]) HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh. (atm: rev fc90bf7b27cc20486f2806670a14fd7d654b0a31) \* hadoop-common-project/hadoop-

- common/src/main/java/org/apache/hadoop/security/token/delegation/ZKDelegationTokenSecretManager.java \* hadoop-common-project/hadoop-common/CHANGES.txt
11. FAILURE: Integrated in Hadoop-Hdfs-trunk #2068 (See [<https://builds.apache.org/job/Hadoop-Hdfs-trunk/2068/>]) HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh. (atm: rev fc90bf7b27cc20486f2806670a14fd7d654b0a31) \* hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/security/token/delegation/ZKDelegationTokenSecretManager.java \* hadoop-common-project/hadoop-common/CHANGES.txt
  12. SUCCESS: Integrated in Hadoop-Hdfs-trunk-Java8 #127 (See [<https://builds.apache.org/job/Hadoop-Hdfs-trunk-Java8/127/>]) HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh. (atm: rev fc90bf7b27cc20486f2806670a14fd7d654b0a31) \* hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/security/token/delegation/ZKDelegationTokenSecretManager.java \* hadoop-common-project/hadoop-common/CHANGES.txt
  13. FAILURE: Integrated in Hadoop-Mapreduce-trunk #2086 (See [<https://builds.apache.org/job/Hadoop-Mapreduce-trunk/2086/>]) HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh. (atm: rev fc90bf7b27cc20486f2806670a14fd7d654b0a31) \* hadoop-common-project/hadoop-common/CHANGES.txt \* hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/security/token/delegation/ZKDelegationTokenSecretManager.java
  14. FAILURE: Integrated in Hadoop-Mapreduce-trunk-Java8 #136 (See [<https://builds.apache.org/job/Hadoop-Mapreduce-trunk-Java8/136/>]) HADOOP-11722. Some Instances of Services using ZKDelegationTokenSecretManager go down when old token cannot be deleted. Contributed by Arun Suresh. (atm: rev fc90bf7b27cc20486f2806670a14fd7d654b0a31) \* hadoop-common-project/hadoop-common/CHANGES.txt \* hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/security/token/delegation/ZKDelegationTokenSecretManager.java
  15. It looks like this was never actually committed to branch-2.7.
  16. Yes, [~arp] the patch was implemented in branch - 2.8. [<https://github.com/apache/hadoop/blob/branch-2.8/hadoop-common-project/hadoop-common/src/main/java/org/apache/hadoop/security/token/delegation/ZKDelegationTokenSecretManager.java>]