

HIVE ACL FOR HIVESERVER2

Background

when i do beeline connections throught hive HA with zookeeper, i suddenly find the beeline can not connect the hiveserve2.The reason of the problem is that others delete the /hiveserver2 falsely which cause to the beeline connection is failed and can not read the configs from zookeeper. as a result of the acl of /hiveserver2, the acl is set to world:anyone:cdrwa which meant to anyone easily delete the /hiveserver2 and znodes anytime.It is unsafe and necessary to protect the znode /hiveserver2.So Add zookeeper ACL for hiveserver2 is necessary for hive to protect the znode of hiveserver2 deleted by accident.

Measures

add acl config and auth config for hiveserver2 on the zookeeper,the acl is set default to world:anyone:rwcdla correding to the auth.It also can be set the other type acl,such as digest,sasl.

Once the acl is set for the zonde for hiveserver2,anyone can not easily delete the znode on the zookeeper client except the auth is added.

The auth infomations can be get from the interface of zookeeper.

The flow chart is as follows:

