TMGR 5.x - UPGRADE INSTRUCTIONS FOR MULTIPLE SOLR INSTANCE

Directories reference

<SOLR_DIR>

- Directory in which SOLR is unpacked.
- Ex. /opt/solr-5.4.1

<SOLR_HOME>

- Directory in which you store actual SOLR data.
- Ex. /opt/solrhome

<RESOURCE_DIR>

- Directory in which you unpack TMGR resource files.
- Ex. /opt/GS4TR_TMGR_HOME/config

<ZOOKEEPER_APP>

- Directory in which you store ZooKeeper application.
- Ex. /opt/zookeeper-3.4.6

<ZOOKEEPER_DATA>

- Directory in which you store Zookeeper temporary data.
- Ex. /opt/zookeeper-3.4.6/zookeeper_data

Introduction

The aim of this guide is to assist you upgrading an existing TMGR 5.x to TMGR 5.x with SOLR cloud.

Note

During the upgrade, MySQL backup table will be recreated from SOLR DB. Thus, for this migration only, you will need both, MySQL, and SOLR from the previous version.

Preconditions

- Shutdown TMGR and all SOLR instances but **do not shutdown ZooKeeper.**
- Download TMGR 5.1.0 and unpack it.

Upgrading TMGR

- Unpack war file gs4tr-termmanager-webapp-5.x-imp.war in the folder /webapps/TMGR/ of the Tomcat application server.
- Unpack tmgr-resources-5.x file to the TMGR **<RESOURCE_DIR>** folder.

Upgrading SOLR

- On each SOLR instance, delete jar files from **<SOLR_HOME>/lib** folder.
- Copy jar files from **<RESOURCE_DIR>/solrhome/lib** to each SOLR instance under **<SOLR_HOME>/lib** folder.

Starting SOLR

Start each SOLR instance with the command below:
<SOLR_DIR>/bin/solr start -cloud -p {port} -s <SOLR_HOME> -m 8g -z {server.1:clientPort},{server.2:clientPort},{server.3:clientPort},…

NOTE:
- {port} should be replaced with matched SOLR server port (i.e. 8983)
- **<SOLR_HOME>** should be replaced with location of solrhome folder for storing data (i.e./opt/solrhome)
- {server.x:clientPort} should be replaced with matched ZooKeeper server address and client port (i.e. 172.16.5.53:2181). DO NOT ADD SPACE between comma.

If successful, you should see this:

Waiting up to 30 seconds to see Solr running on port 8983 [-]
Started Solr server on port 8983 (pid=23533). Happy searching!

Checking SOLR

Go to http://<ip.address>:8983/solr and check if SOLR started. Ex. http://172.16.2.111:8983/solr

Configuring solrservices.properties

There are couple of properties that tells TMGR how to integrate with SOLR cloud. In TMGR **<RESOURCE_DIR>** edit solrservice.properties file:

- solr.zkHosts=localhost:9983 - A CSV list containing address(es) of one or more Zookeper instances. You should edit it to match your environment.
- Change it to: solr.zkhosts={zk.ip.address.1}:{port}, {zk.ip.address.2}:{port},{zk.ip.address.3}:{port},...{zk.ip.address.x}:{port}
- {port} should be replaced with matched ZooKeeper client port (i.e. 2181).
- {zk.ip.address.x} should be replaced with matched ZooKeeper server IP address (i.e. 192.168.5.53).

Start Term Manager

Start Term Manager as usual.