HariSekhon / haproxy-configs

HAProxy Configs for Hadoop, Big Data, NoSQL, Docker, Elasticsearch, SolrCloud, HBase, Hortonworks, Cloudera, MapR, MySQL, PostgreSQL, Apache Drill, Hive, Presto, Impala, ZooKeeper, Graphite, InfluxDB, OpenTSDB, Prometheus, Kibana, SSH, RabbitMQ, Redis, Riak, Rancher etc https://www.linkedin.com/in/harisekhon

#haproxy #hadoop #elasticsearch #solrcloud #hbase #hive #cassandra #presto #mysql #postgresql #zookeeper #redis #opentsdb #influxdb #prometheus #mapr #hortonworks #cloudera #nosql #apache-drill

57 commits | **1** branch | **0** releases | **1** contributor

Branch: **master** | New pull request | Create new file | Upload files | Find file | Clone or download

HariSekhon Merge branch 'master' of https://github.com/HariSekhon/haproxy-configs — Latest commit `4a408cf` on Oct 3

bash-tools @ d8dfe7e	added bash-tools submodule	a month ago
untested	updated hiveserver2-llap-http.cfg	3 months ago
.gitmodules	added bash-tools submodule	a month ago
.travis.yml	updated .travis.yml	a month ago
10-global.cfg	merged 10-global.cfg and 20-defaults.cfg	5 months ago
20-stats.cfg	updated 20-stats.cfg	a month ago
Makefile	updated Makefile	a month ago
README.md	updated README.md	a month ago
apache-drill-centralized-foreman.cfg	updated URL references to new haproxy-configs repo	5 months ago
apache-drill.cfg	updated URL references to new haproxy-configs repo	5 months ago
cassandra.cfg	updated URL references to new haproxy-configs repo	5 months ago
check_haproxy_syntax.sh	updated check_haproxy_syntax.sh	a month ago
chronograf.cfg	updated URL references to new haproxy-configs repo	5 months ago
cloudera-manager.cfg	updated URL references to new haproxy-configs repo	5 months ago
consul.cfg	updated URL references to new haproxy-configs repo	5 months ago
docker-registry.cfg	updated URL references to new haproxy-configs repo	5 months ago
docker-swarm.cfg	updated URL references to new haproxy-configs repo	5 months ago
elasticsearch-acl.cfg	updated URL references to new haproxy-configs repo	5 months ago
elasticsearch-x-pack.cfg	updated URL references to new haproxy-configs repo	5 months ago
elasticsearch.cfg	updated URL references to new haproxy-configs repo	5 months ago
etcd.cfg	updated URL references to new haproxy-configs repo	5 months ago
fluentd-forward.cfg	updated URL references to new haproxy-configs repo	5 months ago
fluentd-http.cfg	updated URL references to new haproxy-configs repo	5 months ago
fluentd-monitor.cfg	updated URL references to new haproxy-configs repo	5 months ago
grafana.cfg	updated URL references to new haproxy-configs repo	5 months ago
graphite-carbon-relay.cfg	updated URL references to new haproxy-configs repo	5 months ago
graphite-web.cfg	updated URL references to new haproxy-configs repo	5 months ago
h2o.cfg	updated URL references to new haproxy-configs repo	5 months ago
hadoop-httpfs.cfg	updated URL references to new haproxy-configs repo	5 months ago
hadoop-namenode.cfg	updated URL references to new haproxy-configs repo	5 months ago
hadoop-yarn-history-server.cfg	updated URL references to new haproxy-configs repo	5 months ago
hadoop-yarn-resource-manager.cfg	updated URL references to new haproxy-configs repo	5 months ago
haproxy_hosts.sh	updated haproxy_hosts.sh	a month ago
hbase-master-0.9x.cfg	updated URL references to new haproxy-configs repo	5 months ago
hbase-master.cfg	updated URL references to new haproxy-configs repo	5 months ago

hbase-stargate-rest-cloudera.cfg	updated URL references to new haproxy-configs repo	5 months ago
hbase-stargate-rest.cfg	updated URL references to new haproxy-configs repo	5 months ago
hbase-thrift.cfg	updated URL references to new haproxy-configs repo	5 months ago
hive-metastore.cfg	updated URL references to new haproxy-configs repo	5 months ago
hiveserver2-http.cfg	updated URL references to new haproxy-configs repo	5 months ago
hiveserver2.cfg	updated URL references to new haproxy-configs repo	5 months ago
http.cfg	updated URL references to new haproxy-configs repo	5 months ago
hue.cfg	updated URL references to new haproxy-configs repo	5 months ago
impala-catalog.cfg	updated URL references to new haproxy-configs repo	5 months ago
impala-jdbc.cfg	updated URL references to new haproxy-configs repo	5 months ago
impala-odbc.cfg	updated URL references to new haproxy-configs repo	5 months ago
impala-statestore.cfg	updated URL references to new haproxy-configs repo	5 months ago
impala.cfg	updated URL references to new haproxy-configs repo	5 months ago
influxdb-relay.cfg	updated influxdb-relay.cfg	a month ago
influxdb.cfg	updated influxdb.cfg	a month ago
jenkins.cfg	updated URL references to new haproxy-configs repo	5 months ago
kibana.cfg	updated URL references to new haproxy-configs repo	5 months ago
mapr-cldb.cfg	updated URL references to new haproxy-configs repo	5 months ago
mapr-mcs.cfg	updated URL references to new haproxy-configs repo	5 months ago
mariadb.cfg	imported HAProxy configs from Advanced Nagios Plugins Collection	5 months ago
minio.cfg	updated minio.cfg	a month ago
mysql.cfg	updated URL references to new haproxy-configs repo	5 months ago
nifi.cfg	added nifi.cfg	3 months ago
oozie.cfg	updated URL references to new haproxy-configs repo	5 months ago
opentsdb.cfg	updated opentsdb.cfg	a month ago
postgres.cfg	updated URL references to new haproxy-configs repo	5 months ago
presto.cfg	updated URL references to new haproxy-configs repo	5 months ago
prometheus.cfg	updated prometheus.cfg	a month ago
rabbitmq-management.cfg	updated rabbitmq-management.cfg	a month ago
rabbitmq.cfg	updated URL references to new haproxy-configs repo	5 months ago
rancher.cfg	updated URL references to new haproxy-configs repo	5 months ago
redis-master.cfg	updated URL references to new haproxy-configs repo	5 months ago
redis.cfg	updated URL references to new haproxy-configs repo	5 months ago
riak.cfg	updated URL references to new haproxy-configs repo	5 months ago
smtp-ssl.cfg	updated URL references to new haproxy-configs repo	5 months ago
smtp.cfg	updated URL references to new haproxy-configs repo	5 months ago
solr.cfg	imported HAProxy configs from Advanced Nagios Plugins Collection	5 months ago
solrcloud.cfg	updated URL references to new haproxy-configs repo	5 months ago
spark-history-server.cfg	updated URL references to new haproxy-configs repo	5 months ago
sqoop2.cfg	updated URL references to new haproxy-configs repo	5 months ago
ssh.cfg	updated URL references to new haproxy-configs repo	5 months ago
vault.cfg	updated URL references to new haproxy-configs repo	5 months ago
zeppelin.cfg	updated URL references to new haproxy-configs repo	5 months ago
zookeeper-mapr.cfg	added zookeeper-mapr.cfg	5 months ago
zookeeper.cfg	added zookeeper.cfg	5 months ago

README.md

Advanced HAProxy Configurations for Big Data, NoSQL and Web technologies

build passing

Advanced HAProxy configurations for Multi-Master, Active-Standby (Hadoop, HBase, Presto) and Peer-to-Peer technologies (Elasticsearch, SolrCloud etc).

They are designed both for production-grade High Availability and also to make scripting and monitoring easier when connecting to APIs.

Forked from the Advanced Nagios Plugins Collection for which this is now a sub-module, these configurations contain specialised Health Checks for each system based on experience and code from the Advanced Nagios Plugins Collection and PyTools github repos.

They can be combined with VRRP-based High Availability solutions to create full production-grade High Availability load balancer solutions and come pre-tuned with advanced health checks and relevant settings, as well as some protections such as limiting access to these services to only private IP addressing schemes as they should rarely be accessed outside your private network.

You should use an expert consultant to tune to your needs but these should be extremely close to your finished production configurations.

All configurations should not be run together on the same HAProxy host as some of these technologies use the same port numbers by default, for example Ambari and Presto both default to port 8080, so you would have to modify at least the frontend HAProxy bind addresses if proxying both of those services on the same HAProxy host(s).

Configurations are split by service in the form of `<service>.cfg` for mix-and-match convenience and must be combined with `10-global.cfg` settings like so:

```
haproxy -f 10-global.cfg -f elasticsearch.cfg
```

If you want to add a stats / admin UI then include the `20-stats.cfg` configuration:

```
haproxy -f 10-global.cfg -f 20-stats.cfg -f elasticsearch.cfg
```

For multiple services just add those service configurations to the command line options:

```
haproxy -f 10-global.cfg -f 20-stats.cfg -f elasticsearch.cfg -f solrcloud.cfg
```

Common backend server addresses have been pre-populated for convenience including:

- `<service>` - generic service name matching the proxied technology - could be resolved by DNS to multiple IPs to be balanced across
- `192.168.99.100` - the common Docker Machine IP address
- `docker` - again DNS resolve to your Docker location

These addresses are used in continuous integration testing of this repo including these HAProxy configurations which are tested by running all the relevant nagios plugins for each service through HAProxy to validate the HAProxy configurations.

See the `untested/` directory for a few more including SSL config versions I haven't got round to testing yet but should work.

See also `find_active_server.py` from my PyTools repo and its related adjacent programs for on-the-fly command line determination of active masters or first responding peers across many of these same technologies.

This repo is forked from the haproxy directory of the Advanced Nagios Plugins Collection which it has now replaced as a submodule. These HAProxy configs are tested against Docker containers as part of CI tests in that repo.