```
2023-11-26T12:54:18,094 INFO [Thread-4] org.apache.hadoop.hive.conf.HiveConf - Found configuration file file:/home/or
t/spark/conf/hive-site.xml
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.wm.def
ault.pool.size does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.task.schedu
ler.preempt.independent does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.output.form
at.arrow does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.tez.llap.min.red
ucer.per.executor does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.arrow.root.alloc
ator.limit does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.use.c
hecked.expressions does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.tez.dynamic.semi
join.reduction.for.mapjoin does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.compl
ex.types.enabled does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.wm.worke
r.threads does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.repl.partitions.
dump.parallelism does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.uri.se
lection does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.strict.checks.n
o.partition.filter does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.tez.dynamic.semi
join.reduction.for.dpp.factor does not exist
2023-11-26T12:54:18,500 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.stats.filter.in.
min.ratio does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.clien
t.cache.initial.capacity does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.stats.ndv.estima
te.percent does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.webui.co
rs.allowed.methods does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.optimize.joinred
ucededuplication does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.clien
t.cache.enabled does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.stats.fetch.bitv
ector does not exist
```

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2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.disable.unsafe.e
xternal.table.operations does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.materializedvie
w.rewriting.incremental does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.material
izedviews.registry.impl does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.event.
db.notification.api.auth does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.exec.orc.delta.s
treaming.optimizations.enabled does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.stats.ndv.algo d
oes not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.spark.job.max.ta
sks does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.msck.repair.batc
h.max.retries does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.prewarm.spark.ti
meout does not exist
2023-11-26T12:54:18,501 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.optimize.update.
table.properties.from.serde.list does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.plugin.clie
nt.num.threads does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.test.bucketcode
c.version does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.reexecutio
n.enabled does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.materializedvie
w.rewriting.time.window does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.reexecutio
n.stats.cache.batch.size does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.webui.co
rs.allowed.headers does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.join.inner.resid
ual does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.active.p
assive.ha.enable does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.trace.al
ways.dump does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.reexecutio
n.stats.persist.scope does not exist
2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.mm.allow.origina
ls does not exist
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2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.compactor.compac t.insert.only does not exist 2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.txn.xlock.iow do es not exist 2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.spark.rsc.conf.l ist does not exist 2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.cache.defau ltfs.only.native.fileid does not exist 2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.spark.optimize.s huffle.serde does not exist 2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.testing.remove.l ogs does not exist 2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.distcp.privilege d.doAs does not exist 2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.strict.checks.or derby.no.limit does not exist 2023-11-26T12:54:18,502 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.clien t.cache.expiry.time does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.allocato r.defrag.headroom does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.notification.eve nt.consumers does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.inpu t.format.supports.enabled does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.clien t.cache.max.capacity does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.repl.dumpdir.cle an.freq does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.spark.use.ts.sta ts.for.mapjoin does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.repl.dump.includ e.acid.tables does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.webui.us e.pam does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.reexecutio n.max.count does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.share.ob ject.pools does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.optimize.update. table.properties.from.serde does not exist 2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.service.metrics. codahale.reporter.classes does not exist

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2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.tez.session.even
ts.print.summary does not exist
2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.vrb.queu
e.limit.base does not exist
2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.mm.avoid.s3.glob
status does not exist
2023-11-26T12:54:18,503 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.replica.fun
ctions.root.dir does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.results.ca
che.max.entry.lifetime does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.limit.co
nnections.per.user does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.thrift.h
ttp.compression.enabled does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.execu
tion.ptf.enabled does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.optimize.shared.
work.extended does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.row.i
dentifier.enabled does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.reexecutio
n.always.collect.operator.stats does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.repl.dumpdir.ttl
does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.local.time.zone
does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.tez.wm.a
m.registry.timeout does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.active.p
assive.ha.registry.namespace does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.create.as.inser
t.only does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.mapjoin.mem
ory.oversubscribe.factor does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.arrow.batch.size
does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.notification.seq
uence.lock.retry.sleep.interval does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.repl.approx.max.
load.tasks does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.results.ca
che.enabled does not exist
```

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2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.legacy.schema.fo
r.all.serdes does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.tez.dag.status.c
heck.interval does not exist
2023-11-26T12:54:18,504 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.druid.bitmap.typ
e does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.spark.dynamic.pa
rtition.pruning.map.join.only does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.memory.over
subscription.max.executors.per.query does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.trace.si
ze does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.plugin.rpc.
num.handlers does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.wm.allo
w.any.pool.via.jdbc does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.group
by.complex.types.enabled does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.avro.timestamp.s
kip.conversion does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.results.ca
che.nontransactional.tables.enabled does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.stats.correlate
d.multi.key.joins does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.db.typ
e does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.streaming.auto.f
lush.check.interval.size does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.zookeeper.connec
tion.timeout does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.reexecutio
n.strategies does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.limit.co
nnections.per.user.ipaddress does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.mapjoin.mem
ory.monitor.check.interval does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.optimize.shared.
work does not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.stats.estimate d
oes not exist
2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.allocato
```

r.discard.method does not exist

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2023-11-26T12:54:18,505 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.tez.cartesian-pr
oduct.enabled does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.notification.seq
uence.lock.max.retries does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.heap.memory.moni
tor.usage.threshold does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.privilege.synchr
onizer.interval does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.adapt
or.suppress.evaluate.exceptions does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.materializedvie
w.rebuild.incremental does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.results.ca
che.max.entry.size does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.spark.stage.max.
tasks does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.testing.short.lo
gs does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.streaming.auto.f
lush.enabled does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.spark.explain.us
er does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.describe.partiti
onedtable.ignore.stats does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.operatio
n.log.cleanup.delay does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.repl.dump.metada
ta.only does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.optimize.countdi
stinct does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.auto.convert.joi
n.shuffle.max.size does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.plugin.acl
does not exist
2023-11-26T12:54:18,506 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.schem
a.info.class does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.tez.queu
e.access.check does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.external.sp
lits.temp.table.storage.format does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.row.wrap
per.enabled does not exist
```

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2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.constraint.notnu
ll.enforce does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.cli.print.escap
e.crlf does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.trigger.validati
on.interval does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.webui.co
rs.allowed.origins does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.limit.co
nnections.per.ipaddress does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.external.sp
lits.order.by.force.single.split does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.metastore.clien
t.cache.stats.enabled does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.notification.eve
nt.poll.interval does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.transactional.co
ncatenate.noblock does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.materializedvie
w.rewriting.strategy does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.if.ex
pr.mode does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.exim.test.mode d
oes not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.results.ca
che.directory does not exist
2023-11-26T12:54:18,507 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.results.ca
che.wait.for.pending.results does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.remove.orderby.i
n.subquery does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.tez.bmj.use.subc
ache does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.vrb.queu
e.limit.min does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.wm.pool.
metrics does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.repl.add.raw.res
erved.namespace does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.resource.use.hdf
s.location does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.stats.num.nulls.
estimate.percent does not exist
```

```
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.acid doe
s not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.zk.sm.sessi
on.timeout does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.ptf.m
ax.memory.buffering.batch.count does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.task.schedu
ler.am.registry does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.druid.overlord.a
ddress.default does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.optimize.remove.
sq count check does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.server2.webui.en
able.cors does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.vectorized.row.s
erde.inputformat.excludes does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.reexecutio
n.stats.cache.size does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.combine.equivale
nt.work.optimization does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.lock.query.strin
g.max.length does not exist
2023-11-26T12:54:18,508 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.llap.io.track.ca
che.usage does not exist
2023-11-26T12:54:18,509 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.use.orc.codec.po
ol does not exist
2023-11-26T12:54:18,509 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.query.results.ca
che.max.size does not exist
2023-11-26T12:54:18,509 WARN [Thread-4] org.apache.hadoop.hive.conf.HiveConf - HiveConf of name hive.repl.bootstrap.d
ump.open.txn.timeout does not exist
2023-11-26T12:54:18,695 INFO [Thread-4] hive.metastore - Trying to connect to metastore with URI thrift://localhost:9
083
2023-11-26T12:54:18,720 INFO [Thread-4] hive.metastore - Opened a connection to metastore, current connections: 1
2023-11-26T12:54:18,761 INFO [Thread-4] hive.metastore - Connected to metastore.
```

In []: refined monthly pays.show()

[Stage 0:> (0 + 1) / 1]

+i	.d plan	mensual_cost_u	+- usd 1	local_currency	country	has_monthly_purchases	+ purchase_value_local_currency
78	3 B		113	Afghani	Afghanistan	true	1209.0
82	.9 C	1	140	Afghani	Afghanistan	false	0.0
83	5 D	1	100	Afghani	Afghanistan	true	2785.16
41	.2 C		36	Euro	Aland Islands	true	2320.89
6	57 B]	149	Lek	Albania	true	1535.58
10)4 D		48	Lek	Albania	true	2433.05
87	'9 A		78	Lek	Albania	true	1465.89
4	7 B		99	Peso	Argentina	false	0.0
5	[2] C]	111	Peso	Argentina	true	259.11
11	.1 D	1	121	Peso	Argentina	false	0.0
14	3 C	1	104	Peso	Argentina	true	699.79
16	64 D		66	Peso	Argentina	true	1272.38
26	52 B		92	Peso	Argentina	true	2472.3
36	6 A		76	Peso	Argentina	false	0.0
32	.3 C		41	Peso	Argentina	false	0.0
33	9 D] 1	143	Peso	Argentina	true	157.22
46	3 C		42	Peso	Argentina	false	0.0
51	.2 D] 1	122	Peso	Argentina	true	2220.36
51	.8 D		90	Peso	Argentina	true	2297.9
56	51 B] 1	119	Peso	Argentina	true	2002.05
+	-+	+	+-	+		+	++

only showing top 20 rows

```
refined_fecha.show()
           id|fecha_alta|fecha_baja|
        +---+
            1 | 2021 - 06 - 02 |
                                   null
            2 | 2021 - 06 - 02 |
                                   null
            3 | 2021 - 06 - 03 |
                                   null|
            4 | 2021 - 06 - 03 | 2022 - 03 - 13 |
            5 | 2021 - 06 - 04 | 2023 - 11 - 05 |
            6 | 2021 - 06 - 04 | 2022 - 07 - 03 |
           7 | 2021 - 06 - 05 |
                                   null
            8 | 2021 - 06 - 08 |
                                   null
            9 | 2021 - 06 - 09 |
                                   null
           10 | 2021 - 06 - 11 |
                                   null
           11 | 2021 - 06 - 12 |
                                   null
           12 | 2021 - 06 - 12 |
                                   null|
           13 | 2021 - 06 - 13 |
                                   null|
           14 | 2021 - 06 - 13 |
                                   null
           15 | 2021 - 06 - 15 |
                                   null|
           16 | 2021 - 06 - 15 |
                                   null
           17 | 2021 - 06 - 16 |
                                   null|
           18 | 2021 - 06 - 16 |
                                   null
           19 | 2021 - 06 - 18 |
                                   null|
           20 | 2021 - 06 - 19 |
                                   null|
        +---+
        only showing top 20 rows
          refined_plans = spark.sql("select * from obligatorio.refined_plans")
In [ ]: refined_plans.show()
```

2023-11-26T12:54:28,681 WARN [Executor task launch worker for task 0.0 in stage 3.0 (TID 3)] org.apache.hadoop.hive.s erde2.lazy.LazyStruct - Extra bytes detected at the end of the row! Ignoring similar problems.

+	++	+	+	+	+-	+-	
uency	first_name					orincipal_sport_of_interest p	rincipal_sport_frec
+ 1		·	akaemena0@4shared	Male	·	 Senderismo	Han
dball 2	Dorrie	Fountian	dfountian1@craigs	Female	51	Running	Sende
rismo 3 ennis	Spenser	Fernandes	sfernandes2@devhu	Male	31	Natación	Т
4	Andris	Moakson	amoakson3@rediff.com	Male	22	Tennis	V
5 ennis	Elsey	Rathbone	erathbone4@bloglo	Female	23	Natación	Т
6	Vivianna	Naerup	vnaerup5@sourcefo	Female	46	Rafting	F
7	Jobina	Toller	jtoller6@cbslocal	Female	56	Ciclismo	Т
8	Debbie	Ambrodi	dambrodi7@seattle	Female	51	Trecking	Ra
9	Kathryn	Lissenden	klissenden8@quant	Female	53	Tennis	Ru
10 nning	Jeannie	Prettejohns	jprettejohns9@the	Non-binary	24	Trecking	Ru
11 útbol	Nike	Clelle	nclellea@csmonito	Genderfluid	33	Natación	F
12	Shoshana	Tenaunt	stenauntb@mozilla	Female	49	Running	Sende
13 13 1ismo	Em	Albrook	ealbrookc@netscap	Female	29	Running	Cic
14 útbol	Judah	Fearon	jfearond@phpbb.com	Male	36	Handball	F
15 olley	Jock	Mothersdale	jmothersdalee@wik	Male	58	Handball	V
	Kristofor	Holstein	kholsteinf@nature	Male	51	Natación	F
17 dball	Edwin	Battams	ebattamsg@pagineg	Male	38	Fútbol	Han

18	Stefano	Truman s	Male	24	Natación	V		
olley								
19	Mohammed	Kincaid n	mkincaidi@columbi	Male	69	Volley	Ru	
nning								
20	Tova	Chazier	tchazierj@nasa.gov	Female	65	Natación	F	
útbol								
++	+	+-	+	+	+-	+		
+								
only showing top 20 rows								

¿Cuáles son las actividades más requeridas?

2023-11-26T12:54:29,906 WARN [Executor task launch worker for task 0.0 in stage 4.0 (TID 4)] org.apache.hadoop.hive.s erde2.lazy.LazyStruct - Extra bytes detected at the end of the row! Ignoring similar problems.

```
|principal_sport_of_interest|users_by_sports|
Running
                           1112
lTennis
                           105
Ciclismo
                           105
Natación
                           104
Senderismo
                           199
Fútbol
                           199
Rafting
                           195
|Handball
Trecking
                           193
Volley
```

¿Cuál es la evolución mensual en cuanto a cantidad de nuevos usuarios y cual fue la distribución del ingreso por plan en el último mes?

Se asume que la información de la tabla monthly_pays corresponde al último mes de analisis.

Evolución a nivel de nuevos usuarios.

```
spark.sql("""
In [ ]:
            SELECT TRUNC(fecha_alta,'MM') as mes_alta,
            COUNT(DISTINCT id) as users
            FROM obligatorio.refined_fecha
            GROUP BY 1
            ORDER BY mes_alta ASC
        """).show(truncate=False)
       |mes_alta |users|
       +----+
       |2021-06-01|43
       |2021-07-01|73
       2021-08-01 66
       |2021-09-01|52
       |2021-10-01|80
       |2021-11-01|71
       2021-12-01 49
       2022-01-01 44
       2022-02-01|56
       2022-03-01|39
       2022-04-01 48
       |2022-05-01|34
       2022-06-01|52
       |2022-07-01|38
       2022-08-01 24
       |2022-09-01|28
       |2022-10-01|27
       2022-11-01 21
       |2022-12-01|30
       |2023-01-01|28
       +----+
       only showing top 20 rows
```

Evolución a nivel de ingresos por plan.

```
In [ ]: spark.sql("""
           SELECT p.nombre as plan,
           SUM(m.mensual_cost_usd) as revenue
           FROM obligatorio.refined_monthly_pays as m
           LEFT JOIN obligatorio.refined_plans as p on p.plan = m.plan
           GROUP BY p.nombre
       """).show(truncate=False)
      +----+
      lplan
            revenue
      +----+
      |Premium | 22816
      |Original|23990
      |Family | 22600
      |Basic | 22776
      +----+
```

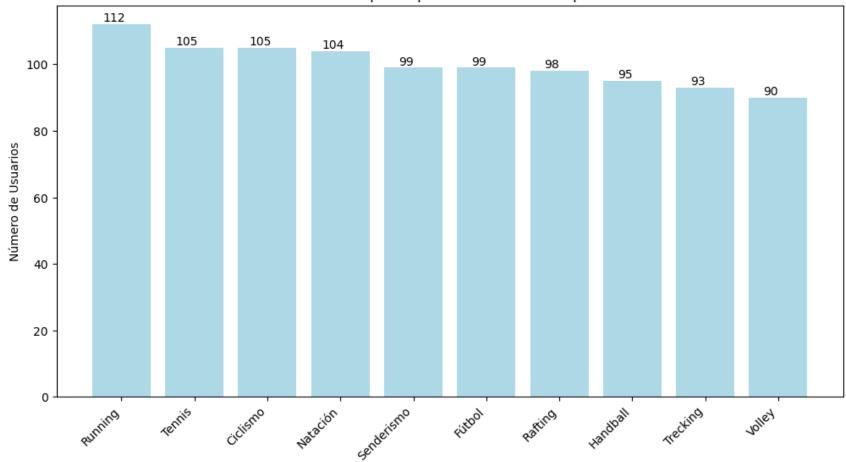
Visualizaciones

```
In [ ]:
        import matplotlib.pyplot as plt
        import pandas as pd
        result df = spark.sql("""
            SELECT principal sport of interest,
            COUNT(DISTINCT user id) as users by sports
            FROM obligatorio.refined users
            GROUP BY principal_sport_of_interest
            ORDER BY users by sports DESC
        """).toPandas()
        plt.figure(figsize=(12, 6))
        bars = plt.bar(result_df['principal_sport_of_interest'], result_df['users_by_sports'], color='lightblue')
        plt.xlabel('Deporte de Interés Principal')
        plt.ylabel('Número de Usuarios')
        plt.title('Usuarios por Deporte de Interés Principal')
        plt.xticks(rotation=45, ha='right') # Rotar etiquetas del eje x para mayor legibilidad
        for bar, label in zip(bars, result_df['users_by_sports']):
            plt.text(bar.get_x() + bar.get_width() / 2 - 0.1, bar.get_height() + 0.1, label, ha='center', va='bottom')
```

```
plt.show()
```

2023-11-26T12:54:34,956 WARN [Executor task launch worker for task 0.0 in stage 20.0 (TID 13)] org.apache.hadoop.hiv e.serde2.lazy.LazyStruct - Extra bytes detected at the end of the row! Ignoring similar problems.

Usuarios por Deporte de Interés Principal

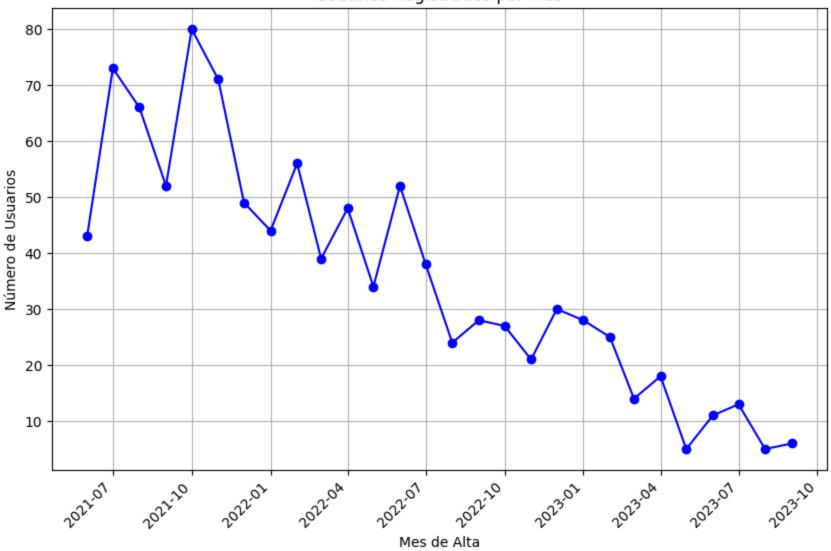


Deporte de Interés Principal

```
""").toPandas()

plt.figure(figsize=(10, 6))
plt.plot(result_df['mes_alta'], result_df['users'], marker='o', linestyle='-', color='b')
plt.xlabel('Mes de Alta')
plt.ylabel('Número de Usuarios')
plt.title('Usuarios Registrados por Mes')
plt.xticks(rotation=45, ha='right') # Rotar etiquetas del eje x para mayor legibilidad
plt.grid(True)
plt.show()
```





```
""").toPandas()

plt.figure(figsize=(8, 8))
plt.pie(result_df['revenue'], labels=result_df['plan'], autopct='%1.1f%%', startangle=90)
plt.axis('equal')
plt.title('Distribución de Ingresos por Plan en el último mes')
plt.show()
```

Distribución de Ingresos por Plan en el último mes

