heron\_binary(

name = "heron-without-jass",

main = "com.twitter.timelines.prediction.common.aggregates.real\_time.TypeSafeRunner",

oss = True,

platform = "java8",

runtime\_platform = "java8",

tags = ["bazel-compatible"],

dependencies = [

":real\_time",

"3rdparty/jvm/org/slf4j:slf4j-jdk14",

],

)

jvm\_app(

name = "rta\_heron",

binary = ":heron-without-jass",

bundles = [

bundle(

fileset = ["resources/jaas.conf"],

),

],

tags = [

"bazel-compatible",

"bazel-only",

],

)

scala\_library(

sources = ["\*.scala"],

platform = "java8",

strict\_deps = False,

tags = ["bazel-compatible"],

dependencies = [

":online-configs",

"3rdparty/src/jvm/com/twitter/summingbird:storm",

"src/java/com/twitter/heron/util",

"src/java/com/twitter/ml/api:api-base",

"src/java/com/twitter/ml/api/constant",

"src/scala/com/twitter/frigate/data\_pipeline/features\_aggregated/core:core-features",

"src/scala/com/twitter/ml/api/util",

"src/scala/com/twitter/storehaus\_internal/memcache",

"src/scala/com/twitter/storehaus\_internal/util",

"src/scala/com/twitter/summingbird\_internal/bijection:bijection-implicits",

"src/scala/com/twitter/summingbird\_internal/runner/store\_config",

"src/scala/com/twitter/summingbird\_internal/runner/storm",

"src/scala/com/twitter/summingbird\_internal/sources/storm/remote:ClientEventSourceScrooge2",

"src/scala/com/twitter/timelines/prediction/adapters/client\_log\_event",

"src/scala/com/twitter/timelines/prediction/adapters/client\_log\_event\_mr",

"src/scala/com/twitter/timelines/prediction/features/client\_log\_event",

"src/scala/com/twitter/timelines/prediction/features/common",

"src/scala/com/twitter/timelines/prediction/features/list\_features",

"src/scala/com/twitter/timelines/prediction/features/recap",

"src/scala/com/twitter/timelines/prediction/features/user\_health",

"src/thrift/com/twitter/ml/api:data-java",

"src/thrift/com/twitter/timelines/suggests/common:record-scala",

"timelinemixer/common/src/main/scala/com/twitter/timelinemixer/clients/served\_features\_cache",

"timelines/data\_processing/ml\_util/aggregation\_framework:common\_types",

"timelines/data\_processing/ml\_util/aggregation\_framework/heron",

"timelines/data\_processing/ml\_util/aggregation\_framework/job",

"timelines/data\_processing/ml\_util/aggregation\_framework/metrics",

"timelines/data\_processing/ml\_util/transforms",

"timelines/src/main/scala/com/twitter/timelines/clients/memcache\_common",

"util/util-core:scala",

],

)

scala\_library(

name = "online-configs",

sources = [

"AuthorFeaturesAdapter.scala",

"Event.scala",

"FeatureStoreUtils.scala",

"StormAggregateSourceUtils.scala",

"TimelinesOnlineAggregationConfig.scala",

"TimelinesOnlineAggregationConfigBase.scala",

"TimelinesOnlineAggregationSources.scala",

"TimelinesStormAggregateSource.scala",

"TweetFeaturesReadableStore.scala",

"UserFeaturesAdapter.scala",

"UserFeaturesReadableStore.scala",

],

platform = "java8",

strict\_deps = True,

tags = ["bazel-compatible"],

dependencies = [

":base-config",

"3rdparty/src/jvm/com/twitter/scalding:db",

"3rdparty/src/jvm/com/twitter/storehaus:core",

"3rdparty/src/jvm/com/twitter/summingbird:core",

"3rdparty/src/jvm/com/twitter/summingbird:online",

"3rdparty/src/jvm/com/twitter/summingbird:storm",

"abuse/detection/src/main/thrift/com/twitter/abuse/detection/mention\_interactions:thrift-scala",

"snowflake/src/main/scala/com/twitter/snowflake/id",

"snowflake/src/main/thrift:thrift-scala",

"src/java/com/twitter/ml/api:api-base",

"src/java/com/twitter/ml/api/constant",

"src/scala/com/twitter/frigate/data\_pipeline/features\_aggregated/core:core-features",

"src/scala/com/twitter/ml/api/util:datarecord",

"src/scala/com/twitter/ml/featurestore/catalog/datasets/geo:geo-user-location",

"src/scala/com/twitter/ml/featurestore/catalog/datasets/magicrecs:user-features",

"src/scala/com/twitter/ml/featurestore/catalog/entities/core",

"src/scala/com/twitter/ml/featurestore/catalog/features/core:user",

"src/scala/com/twitter/ml/featurestore/catalog/features/geo",

"src/scala/com/twitter/ml/featurestore/catalog/features/magicrecs:user-activity",

"src/scala/com/twitter/ml/featurestore/catalog/features/magicrecs:user-info",

"src/scala/com/twitter/ml/featurestore/catalog/features/trends:tweet\_trends\_scores",

"src/scala/com/twitter/ml/featurestore/lib/data",

"src/scala/com/twitter/ml/featurestore/lib/dataset/offline",

"src/scala/com/twitter/ml/featurestore/lib/export/strato:app-names",

"src/scala/com/twitter/ml/featurestore/lib/feature",

"src/scala/com/twitter/ml/featurestore/lib/online",

"src/scala/com/twitter/ml/featurestore/lib/params",

"src/scala/com/twitter/storehaus\_internal/util",

"src/scala/com/twitter/summingbird\_internal/bijection:bijection-implicits",

"src/scala/com/twitter/summingbird\_internal/runner/store\_config",

"src/scala/com/twitter/summingbird\_internal/runner/storm",

"src/scala/com/twitter/summingbird\_internal/sources/common",

"src/scala/com/twitter/summingbird\_internal/sources/common/remote:ClientEventSourceScrooge",

"src/scala/com/twitter/summingbird\_internal/sources/storm/remote:ClientEventSourceScrooge2",

"src/scala/com/twitter/timelines/prediction/adapters/client\_log\_event",

"src/scala/com/twitter/timelines/prediction/adapters/client\_log\_event\_mr",

"src/scala/com/twitter/timelines/prediction/common/adapters:base",

"src/scala/com/twitter/timelines/prediction/common/adapters:engagement-converter",

"src/scala/com/twitter/timelines/prediction/common/aggregates",

"src/scala/com/twitter/timelines/prediction/features/client\_log\_event",

"src/scala/com/twitter/timelines/prediction/features/common",

"src/scala/com/twitter/timelines/prediction/features/list\_features",

"src/scala/com/twitter/timelines/prediction/features/recap",

"src/scala/com/twitter/timelines/prediction/features/user\_health",

"src/thrift/com/twitter/clientapp/gen:clientapp-scala",

"src/thrift/com/twitter/dal/personal\_data:personal\_data-java",

"src/thrift/com/twitter/ml/api:data-java",

"src/thrift/com/twitter/timelines/suggests/common:engagement-java",

"src/thrift/com/twitter/timelines/suggests/common:engagement-scala",

"src/thrift/com/twitter/timelines/suggests/common:record-scala",

"src/thrift/com/twitter/timelineservice/injection:thrift-scala",

"src/thrift/com/twitter/timelineservice/server/suggests/logging:thrift-scala",

"strato/src/main/scala/com/twitter/strato/client",

"timelinemixer/common/src/main/scala/com/twitter/timelinemixer/clients/served\_features\_cache",

"timelines/data\_processing/ad\_hoc/suggests/common:raw\_training\_data\_creator",

"timelines/data\_processing/ml\_util/aggregation\_framework:common\_types",

"timelines/data\_processing/ml\_util/aggregation\_framework/heron:configs",

"timelines/data\_processing/ml\_util/aggregation\_framework/metrics",

"timelines/data\_processing/ml\_util/transforms",

"timelines/data\_processing/util:rich-request",

"tweetsource/common/src/main/thrift:thrift-scala",

"twitter-server-internal/src/main/scala",

"unified\_user\_actions/client/src/main/scala/com/twitter/unified\_user\_actions/client/config",

"unified\_user\_actions/client/src/main/scala/com/twitter/unified\_user\_actions/client/summingbird",

"unified\_user\_actions/thrift/src/main/thrift/com/twitter/unified\_user\_actions:unified\_user\_actions-scala",

"util/util-core:scala",

"util/util-stats/src/main/scala/com/twitter/finagle/stats",

],

)

scala\_library(

name = "base-config",

sources = [

"AuthorFeaturesAdapter.scala",

"TimelinesOnlineAggregationConfigBase.scala",

"TweetFeaturesAdapter.scala",

"UserFeaturesAdapter.scala",

],

platform = "java8",

strict\_deps = True,

tags = ["bazel-compatible"],

dependencies = [

"src/java/com/twitter/ml/api:api-base",

"src/java/com/twitter/ml/api/constant",

"src/resources/com/twitter/timelines/prediction/common/aggregates/real\_time",

"src/scala/com/twitter/ml/api/util:datarecord",

"src/scala/com/twitter/ml/featurestore/catalog/datasets/magicrecs:user-features",

"src/scala/com/twitter/ml/featurestore/catalog/entities/core",

"src/scala/com/twitter/ml/featurestore/catalog/features/core:user",

"src/scala/com/twitter/ml/featurestore/catalog/features/geo",

"src/scala/com/twitter/ml/featurestore/catalog/features/magicrecs:user-activity",

"src/scala/com/twitter/ml/featurestore/catalog/features/magicrecs:user-info",

"src/scala/com/twitter/ml/featurestore/catalog/features/trends:tweet\_trends\_scores",

"src/scala/com/twitter/ml/featurestore/lib/data",

"src/scala/com/twitter/ml/featurestore/lib/feature",

"src/scala/com/twitter/timelines/prediction/common/adapters:base",

"src/scala/com/twitter/timelines/prediction/common/adapters:engagement-converter",

"src/scala/com/twitter/timelines/prediction/common/aggregates",

"src/scala/com/twitter/timelines/prediction/features/client\_log\_event",

"src/scala/com/twitter/timelines/prediction/features/common",

"src/scala/com/twitter/timelines/prediction/features/list\_features",

"src/scala/com/twitter/timelines/prediction/features/recap",

"src/scala/com/twitter/timelines/prediction/features/user\_health",

"src/thrift/com/twitter/dal/personal\_data:personal\_data-java",

"src/thrift/com/twitter/ml/api:feature\_context-java",

"src/thrift/com/twitter/timelines/suggests/common:engagement-scala",

"timelines/data\_processing/ml\_util/aggregation\_framework:common\_types",

"timelines/data\_processing/ml\_util/aggregation\_framework/heron:base-config",

"timelines/data\_processing/ml\_util/aggregation\_framework/metrics",

"timelines/data\_processing/ml\_util/transforms",

"util/util-core:scala",

"util/util-core:util-core-util",

],

)