

ApplicationHistoryProvider + def getEventLogsUnderProcess(): Int + def getLastUpdatedTime(): Long + def getListing(): Iterator[ApplicationInfo] + def getAppUI(appId: String, attemptId: Option[String]): Option[LoadedAppUI] + def stop(): Unit Provider + def start(): Unit + def getConfig(): Map[String, String] + def writeEventLogs(appId: String, attemptId: Option[String], zipStream: ZipOutputStream): + def getApplicationInfo(appId: String): Option[ApplicationInfo] + def getEmptyListingHtml(): Seq[Node] + def onUIDetached(appId: String, attemptId: Option[String], ui: SparkUI): Unit FsHistoryProvider + conf: SparkConf + clock: Clock + SAFEMODE_CHECK_INTERVAL_S FsHistoryProvider(Object) + UPDATE_INTERVAL_S + CLEAN INTERVAL S + APPL_START_EVENT_PREFIX + NUM_PROCESSING_THREADS + APPL_END_EVENT_PREFIX LOG_START_EVENT_PREFIX + historyUiAclsEnable + ENV_UPDATE_EVENT_PREFIX + CURRENT_LISTING_VERSION + historyUiAdminAcls + historyUiAdminAclsGroups + hadoopConf + lastScanTime + pendingReplayTasksCount + storePath FsHistoryProviderMetadata + fastInProgressParsing + listing: KVStore - version: Long + diskManager - uiVersion: Long + blacklist:ConcurrentHashMap + activeUIs:HashMap + initThread: Thread + replayExecutor: ExecutorService + def blacklist(path: Path): Unit + def clearBlacklist(expireTimeInSeconds: Long): Unit LogType + def getRunner(operateFun: () => Unit): Runnable + def initialize(): Thread OriverLogs, EventLogs + def startSafeModeCheckThread(errorHandler:Option[Thread.UncaughtExceptionHandler]): Thread + def startPolling(): Unit + def getListing(): Iterator[ApplicationInfo] + def getApplicationInfo(appId: String): Option[ApplicationInfo] + def getEventLogsUnderProcess(): Int + def getLastUpdatedTime(): Long + logPath: String + def stringToSeq(list: String): Seq[String] + lastProcessed: Long + def getAppUI(appId: String, attemptId: Option[String]): Option[LoadedAppUI] + logType: LogType.Value + def getConfig(): Map[String, String] appId: Option[String] + def start(): Unit + attemptId: Option[String] + def stop(): Unit + fileSize: Long + def onUIDetached(appId: String, attemptId: Option[String], ui: SparkUI): Unit + lastIndex: Option[Long] + def checkForLogs(): Unit + isComplete: Boolean + def shouldReloadLog(info: LogInfo, reader: EventLogFileReader): Boolean + def cleanAppData(appId: String, attemptId: Option[String], logPath: String): Unit + def writeEventLogs(appId: String, AttemptInfoWrapper attemptId: Option[String], zipStream: ZipOutputStream): Unit + info: ApplicationAttemptInfo def mergeApplicationListing(+ logPath: String reader: EventLogFileReader, + fileSize: Long scanTime: Long, + lastIndex: Option[Long] enableOptimizations: Boolean): Unit + adminAcls: Option[String] + def invalidateUI(appId: String, attemptId: Option[String]): Unit + viewAcls: Option[String] + def cleanLogs(): Unit + adminAclsGroups: Option[String + def deleteAttemptLogs(+ viewAcIsGroups: Option[String] app: ApplicationInfoWrapper, remaining: List[AttemptInfoWrapper], toDelete: List[AttemptInfoWrapper]): Int + def cleanDriverLogs(): Unit ApplicationInfoWrapper + def rebuildAppStore(store: KVStore, + info: ApplicationInfo reader: EventLogFileReader + attempts: List[AttemptInfoWrapper] lastUpdated: Long): Unit def parseAppEventLogs(+ def id: String logFiles: Seq[FileStatus], + def endTime(): Long replayBus: ReplayListenerBus, + def oldestAttempt(): Long maybeTruncated: Boolean, + def toApplicationInfo(): ApplicationInfo eventsFilter: ReplayEventsFilter = SELECT_ALL_FILTER): Unit + def isFsInSafeMode(): Boolean + def isFsInSafeMode(dfs: DistributedFileSystem): Boolean + def toString: String + def addListing(app: ApplicationInfoWrapper): Unit + def load(appId: String): ApplicationInfoWrapper + def addListing(app: ApplicationInfoWrapper): Unit + def loadDiskStore(dm: HistoryServerDiskManager, attempt: AttemptInfoWrapper): KVStore + def createInMemoryStore(attempt: AttemptInfoWrapper): KVStore + def loadPlugins(): Iterable[AppHistoryServerPlugin] + def getAttempt(appId: String, attemptId: Option[String]): AttemptInfoWrapper + def deleteLog(fs: FileSystem, log: Path): Boolean

MutableApplicationInfo AppListingListener + reader: EventLogFileReader + id: String + name: String + clock: Clock + coresGranted: Option[Int] + haltEnabled: Boolean + maxCores: Option[Int] + app:MutableApplicationInfo + coresPerExecutor: Option[Int] + attempt:MutableApplicationInfo + memoryPerExecutorMB: Option[Int] + gotEnvUpdate + halted + def toView(): ApplicationInfoWrapper MutableAttemptInfo + def onApplicationStart(event: SparkListenerApplicationStart): Unit + logPath: String + def onApplicationEnd(event: SparkListenerApplicationEnd): Unit + def on Environment Update (event: Spark Listener Environment Update): Unit + fileSize: Long + def onOtherEvent(event: SparkListenerEvent): Unit + lastIndex: Option[Long] + def applicationInfo: Option[ApplicationInfoWrapper] + attemptId: Option[String] + def checkProgress(): Unit + startTime + endTime + lastUpdated + duration + sparkUser: String + completed + appSparkVersion = "" + adminAcls: Option[String] + viewAcls: Option[String] + adminAclsGroups: Option[String] + viewAclsGroups: Option[String] def toView(): ApplicationInfoWrapper

EventLogFileReader SingleFileEventLogFileReader - fileSystem: FileSystem - fileSystem: FileSystem - rootPath: Path + def fileSizeForDFS(path: Path): Option[Long] - rootPath: Path + def addFileAsZipEntry(zipStream: ZipOutputStream,path: Path,entryName: String): + def lastIndex: Option[Long] + def lastIndex: Option[Long] + def fileSizeForLastIndex: Long + def fileSizeForLastIndex: Long + def completed: Boolean + def completed: Boolean + def modificationTime: Long + def modificationTime: Long + def listEventLogFiles: Seq[FileStatus] + def fileSizeForLastIndexForDFS: Option[Long] + def compressionCodec: Option[String] + def zipEventLogFiles(zipStream: ZipOutputStream): Unit + def totalSize: Long + def listEventLogFiles: Seq[FileStatus] + def zipEventLogFiles(zipStream: ZipOutputStream): Unit + def compressionCodec: Option[String] + def fileSizeForLastIndexForDFS: Option[Long] → def totalSize: Long EventLogFileReader(Object) Rolling Event Log Files File Reader - fileSystem: FileSystem + codecMap : ConcurrentHashMap[String, CompressionCodec] - rootPath: Path + def apply(fs: FileSystem,path: Path,lastIndex: Option[Long]):EventLogFileReader + files: Seq[FileStatus] + def apply(fs: FileSystem, path: Path): Option[EventLogFileReader] + appStatusFile + def apply(fs: FileSystem, status: FileStatus): Option[EventLogFileReader] + eventLogFiles: Seq[FileStatus + def openEventLog(log: Path, fs: FileSystem): InputStream + def lastIndex: Option[Long] + def fileSizeForLastIndex: Long + def isSingleEventLog(status: FileStatus): Boolean + def isRollingEventLogs(status: FileStatus): Boolean + def completed: Boolean + def fileSizeForLastIndexForDFS: Option[Long] + def modificationTime: Long + def zipEventLogFiles(zipStream: ZipOutputStream): Unit 事件日志读取器 + def listEventLogFiles: Seq[FileStatus] + def compressionCodec: Option[String] + def totalSize: Long + def lastEventLogFile: FileStatus

+ def loadAppUi(appId: String, attemptId: Option[String]): Boolean

+ def main(argStrings: Array[String]): Unit

HistoryServer(Object)

+ def getAttemptURI(appId: String, attemptId: Option[String]): String

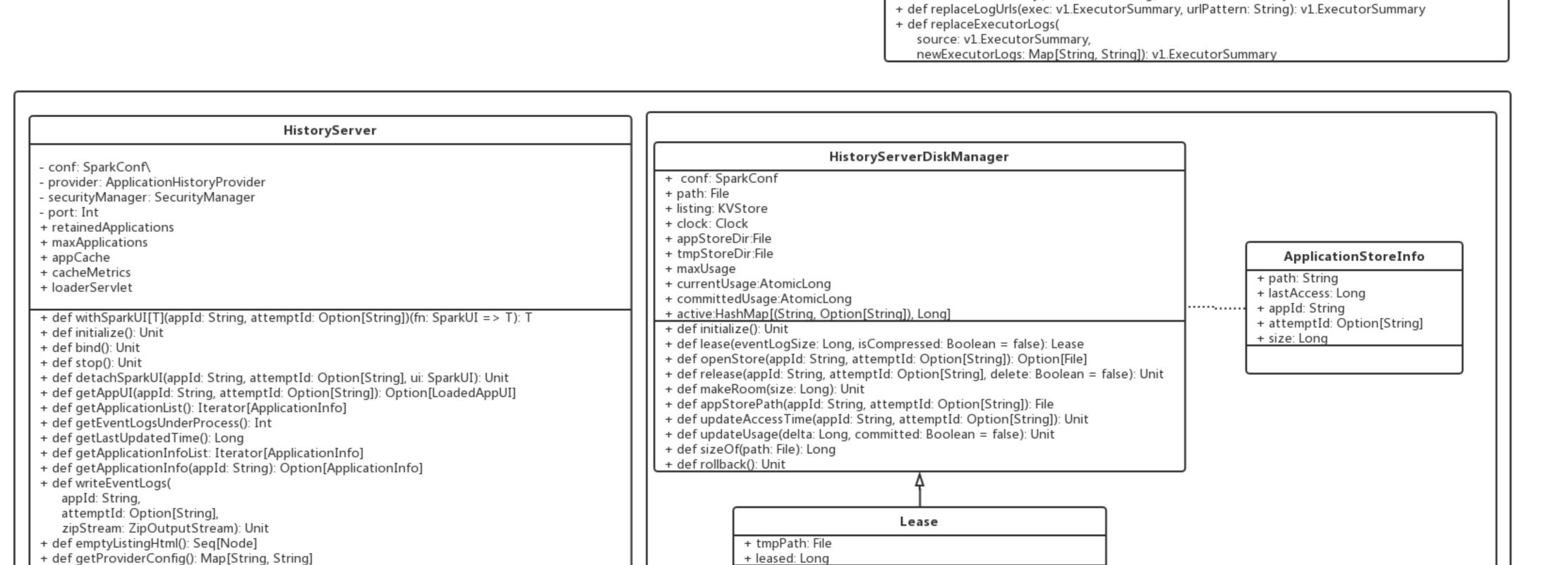
+ def createSecurityManager(config: SparkConf): SecurityManager

+ def toString: String

+ conf:SparkConf

+ UI PATH PREFIX = "/history"

+ def initSecurity(): Unit



历史信息服务器

+ conf: SparkConf

+ store: KVStore

+ def commit(appId: String, attemptId: Option[String]): File

+ args: Array[String]

+ propertiesFile: String

+ def parse(args: List[String]): Unit

+ logUrlPattern: Option[String]

+ def executorList(activeOnly: Boolean): Seq[v1.ExecutorSummary]

HistoryServerArguments

+ def printUsageAndExit(exitCode: Int): Unit

+ def executorSummary(executorId: String): v1.ExecutorSummary

HistoryPage

历史信息服务器磁盘管理器

HistoryAppStatusStore