«interface» «interface» ExecutorAllocationClient **Scheduler Backend** killExecutor(): boolean applicationAttemptId(): Option[String] killExecutors(): boolean applicationId(): String requestExecutors(): boolean defaultParallelism(): int requestTotalExecutors(): boolean getDriverLogUrls(): Option[Map[String, String]] isReady(): boolean killTask() «interface» reviveOffers() **RpcEndpoint** start() onConnected() stop() on Disconnected() on Error() on Network Error() on Start() CoarseGrainedSchedulerBackend onStop() receive(): PartialFunction[Any, Unit] createDriverEndpoint(): DriverEndpoint defaultParallelism(): int receiveAndReply(): PartialFunction[Any, Unit] + doKillExecutors(): boolean self(): RpcEndpointRef doRequestTotalExecutors(): boolean stop() isReady(): boolean killExecutors(): boolean killTask() DriverEndpoint remove Executor() on Disconnected() requestExecutors(): boolean on Start() requestTotalExecutors(): boolean on Stop() reset() receive(): PartialFunction[Any, Unit] reviveOffers() receive And Reply(): Partial Function [Any, Unit] start() stop() stopExecutors() YarnSchedulerBackend «interface» appld: int ThreadSafeRpcEndpoint **YarnDriverEndpoint** attemptld: int services: int + on Disconnected() should ResetOn Am Register: int = false totalExpectedExecutors: int = 0 yarnSchedulerEndpoint: int yarnSchedulerEndpointRef: int YarnSchedulerEndpoint addWebUlFilter() handleExecutorDisconnectedFromDriver() applicationAttemptId(): Option[String] on Disconnected() applicationId(): String + onStop() bindToYarn() receive(): PartialFunction[Any, Unit] createDriverEndpoint(): DriverEndpoint receive And Reply(): Partial Function [Any, Unit] doKillExecutors(): boolean doRequestTotalExecutors(): boolean reset() start() YarnClusterSchedulerBackend stop() getDriverLogUrls(): Option[Map[String, String]]

start()