

Parallelism



Parallelism

ZIO has parallel combinators that will automatically

- run effects on separate fibers
- check for errors and interruptions
- interrupt the incomplete effects

```
// zipPar, zipWithPar
val combinedPar = meaningOfLife.zipPar(favLang)

// collectAllPar
val effects: Seq[ZIO[Any, Nothing, Int]] = (1 to 10).map(i => ZIO.succeed(i).debugThread)
val collectedValues: ZIO[Any, Nothing, Seq[Int]] = ZIO.collectAllPar(effects) // "traverse"

// foreachPar
val printlnParallel = ZIO.foreachPar((1 to 10).toList)(i => ZIO.succeed(println(i)))

// reduceAllPar, mergeAllPar
val sumPar = ZIO.reduceAllPar(ZIO.succeed(0), effects)(_ + _)
val sumPar_v2 = ZIO.mergeAllPar(effects)(0)(_ + _)
```

ZIO rocks

