



**EBook Gratis**

# APRENDIZAJE shapeless

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**#shapeless**

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## Acerca de

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# Capítulo 1: Empezando con shapeless

## Observaciones

Esta sección proporciona una descripción general de lo que no tiene forma, y por qué un desarrollador puede querer usarlo.

También debe mencionar los temas grandes dentro de la forma, y vincular a los temas relacionados. Dado que la Documentación para Shapeless es nueva, es posible que deba crear versiones iniciales de los temas relacionados.

## Examples

### Instalación o configuración

Instrucciones detalladas sobre cómo configurar o instalar sin forma.

Lea [Empezando con shapeless en línea](#):

<https://riptutorial.com/es/shapeless/topic/10138/empezando-con-shapeless>

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# Capítulo 2: Derivación Typeclass

## Examples

### ProductTypeClass

```
trait Show[T] {
  def show(t: T): String
}

object Show extends ProductTypeClassCompanion[Show] {

  def apply[T](implicit T: Show[T]) = T

  def from[T](f: T => String): Show[T] = new Show[T] {
    def show(t: T): String = f(t)
  }

  implicit val string = from[String](_.reverse)
  implicit val int = from[Int](Integer.toHexString)

  object typeClass extends ProductTypeClass[Show] {
    override def product[H, T <: HList](ch: Show[H], ct: Show[T]): Show[::[H, T]] = from(ht =>
      ch.show(ht.head) + " " + ct.show(ht.tail)
    )

    override def emptyProduct: Show[HNil] = from(_ => "")

    override def project[F, G](instance: => Show[G], to: (F) => G, from: (G) => F): Show[F] =
      Show.from((f: F) => instance.show(to(f)))
  }
}

case class Example(name: String, value: Int)

Show[Example].show(Example("Me", 12)) // returns "eM c"
```

Lea Derivación Typeclass en línea: <https://riptutorial.com/es/shapeless/topic/10175/derivacion-typeclass>

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# Creditos

S. No	Capítulos	Contributors
1	Empezando con shapeless	<a href="#">Community</a>
2	Derivación Typeclass	<a href="#">Cyrille Corpet</a>