

An aerial photograph of a winding asphalt road that snakes through a dense forest of trees with vibrant autumn foliage in shades of orange, red, and brown. The road features white dashed lane markings and a solid white edge line. Several vehicles, including a dark car, a white van, and a white truck, are visible traveling along the road. The overall scene is captured from a high angle, emphasizing the curve of the road and the surrounding natural environment.

# Creating JSON Serdes

# Kafka SerDes

1. Serializer
2. Deserializer

org.apache.kafka.common.serialization

## Class Serdes

java.lang.Object

org.apache.kafka.common.serialization.Serdes

```
public class Serdes
```

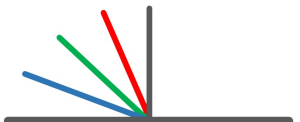
```
extends Object
```

Factory for creating serializers / deserializers.

### Nested Class Summary

#### Nested Classes

Modifier and Type	Class and Description
static class	Serdes.ByteArraySerde
static class	Serdes.ByteBufferSerde
static class	Serdes.BytesSerde
static class	Serdes.DoubleSerde
static class	Serdes.FloatSerde
static class	Serdes.IntegerSerde
static class	Serdes.LongSerde
static class	Serdes.ShortSerde
static class	Serdes.StringSerde
static class	Serdes.UUIDSerde
static class	Serdes.WrapperSerde<T>



# Creating Custom SerDes

1. Write a serializer

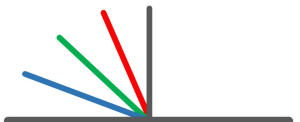
```
org.apache.kafka.common.serialization  
Interface Serializer<T>
```

2. Write a deserializer

```
org.apache.kafka.common.serialization  
Interface Deserializer<T>
```

3. Write a Serde

```
org.apache.kafka.common.serialization  
Interface Serde<T>
```



# Creating Custom SerDes

## 3. Write a Serde

```
org.apache.kafka.common.serialization  
Interface Serde<T>
```

```
static <T> Serde<T>
```

```
serdeFrom(Class<T> type)
```

```
static <T> Serde<T>
```

```
serdeFrom(Serializer<T> serializer, Deserializer<T> deserializer)  
Construct a serde object from separate serializer and deserializer
```

```
org.apache.kafka.common.serialization  
Class Serdes
```

```
class AppSerdes extends Serdes
```