

## helloworld.proto

```

syntax = "proto3";

package helloworld;

service Greeter {
  rpc SayHello (HelloRequest)
    returns (HelloReply) {}
}

message HelloRequest {
  string name = 1;
}

message HelloReply {
  string message = 1;
}

```

## prodcon.proto

```

syntax = "proto3";

package prodcon;

service ProducerConsumer {
  rpc
    ConsumeByte(ConsumeByteRequest)
      returns (ConsumeByteReply) {}
}

message ConsumeByteRequest {
  bytes value = 1;
}

message ConsumeByteReply {
  bool value = 1;
  int32 length = 2;
}

```

## package cofaas:application

```

interface greeter {
  record hello-request {
    name: string,
  }

  record hello-reply {
    message: string,
  }

  say-hello: func(arg:
    hello-request) ->
    result<hello-reply, s32>

  init-component: func()
}

```

```

interface producer-consumer {
  record consume-byte-request {
    value: list<u8>,
  }
  record consume-byte-reply {
    value: bool,
    length: s32,
  }
}

```

```

consume-byte: func(arg: consume-byte-
request) ->
  result<consume-byte-reply, s32>

  init-component: func()
}

```

```

world producer-interface {
  import producer-consumer

  export greeter
}

```

```

world consumer-interface {
  export producer-consumer
}

```

```

world top-level {
  export greeter
}

```