## **ThriftJavaBeans**

If you add the "beans" option to the Java generator like this:

```
thrift --gen java:beans file.thrift
```

Thrift will generate WikiPedia:JavaBean style classes.

## Properties of Generated JavaBean Classes

- 1. All member fields are private.
- 2. All member fields have mixed-cased getter and setter methods. For example, if the field is named "myValue", the methods will be "getMyValue" and "setMyValue".
- 3. Getter methods for boolean fields begin with "is", for example, "isMyValue".

## The Nested Isset Class

Each generated Bean class has public field named \_\_isset, which is an instance of a nested class named Isset.

Each member field in the parent class has a corresponding public boolean field in the Isset class with the same name.

- 1. Setter methods update the corresponding \_\_isset fields.
- 2. Each member field has an "unset" method, like "unsetMyValue", which erases the field's value and updates the corresponding \_\_isset field.
- 3. Member fields whose corresponding \_\_isset field is false will be omitted from the serialized output.

\_\_isset is necessary because Java primitives cannot be null. See discussion of THRIFT-33.

See the Thrift Whitepaper for more information on the Isset class.