

class **Ensemble.Tests.MsgRouterTest** extends [UnitTest.ProductionTestHelper](#)

► Inventory

► Summary

▼ Parameters

- parameter **CONFIG** = "MsgRouter";
The configuration item that is being tested
- parameter **PRODUCTION** = "Ensemble.Production";
Configures the production that is being tested against

▼ Methods

- method **TestRule1()**
 - Creates an HL7 message with the document type set to '2.1:ORM_O01'
 - Sends message to HL7 message router as if it came from the 'HL7FileService'
 - Asserts the route the message takes

```
Set hl7 = ..CreateMessage("2.1:ORM_O01")

Do ..SendRequestTo(..#CONFIG, hl7, "HL7FileService")

Do ..AssertRoute("RoutingRule", "Rule1", "HL7FileOperation")
```

- method **TestRule1BadSource()**
Creates a valid message but sends it to the router from an invalid source and asserts that it is not sent to anything.

```
Set hl7 = ..CreateMessage("2.1:ORM_O01")

Do ..SendRequestTo(..#CONFIG, hl7, "HL7TCPService")

Do ..AssertDidNotRoute("RoutingRule", "Rule1")
```

- method **TestRule1InvalidDoc()**
Creates a message with an invalid document type and asserts that it is not sent to anything.

```
Set hl7 = ..CreateMessage("2.1:ORM_O02")

Do ..SendRequestTo(..#CONFIG, hl7, "HL7FileService")

Do ..AssertDidNotRoute("RoutingRule", "Rule1")
```

- method **TestRule2()**
 - Creates an HL7 message with the document type set to '2.1:ADT_A12'
 - Sets the PV1:ADMITSOURCE to 'HOLLAND'
 - Sends message to HL7 message router as if it came from the 'HL7TCPService'
 - Asserts that the message is sent to the 'Ensemble.DTL.HL7Transform' transformation and 'HL7TCPOperation' operation

```
Set hl7 = ..CreateMessage("2.1:ADT_A12")
Do hl7.SetValueAt("HOLLAND", "PV1:ADMITSOURCE")

Do ..SendRequestTo(..#CONFIG, hl7, "HL7TCPService")

Do ..AssertRoute("RoutingRule", "Rule2", "Ensemble.DTL.HL7Transform","HL7TCPOperation")
```

• method **TestRule3()**

1. Creates an HL7 message with the document type set to '2.1:ADT_A12'
2. Sets the PV1:ADMITSOURCE to 'HOLLAND'
3. Sends message to HL7 message router as if it came from the 'HL7TCPService'
4. Asserts that the message is sent to the 'Ensemble.DTL.HL7Transform' transformation and 'HL7FTPOperation' operation

```
Set hl7 = ..CreateMessage("2.1:ADT_A12")
Do hl7.SetValueAt("GRAND RAPIDS", "PV1:ADMITSOURCE")

Do ..SendRequestTo(..#CONFIG, hl7, "HL7TCPService")

Do ..AssertRoute("RoutingRule", "Rule2", "Ensemble.DTL.HL7Transform","HL7FTPOperation")
```
