

Oracle Insurance

**Insbridge Rating and
Underwriting**

SoftData User Guide

For Java

Release 4.6.1

November 2012

Copyright © 2005, 2012, Oracle and/or its affiliates. All rights reserved.

Oracle Insurance Insbridge Rating and Underwriting SoftData for Java User Guide

Release 4.6.1

Part # E36927-01

Library # E36936-01

November 2012

Primary Authors: Stephan Fields, Mary Elizabeth Wiger

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS

Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Where an Oracle offering includes third party content or software, we may be required to include related notices. For information on third party notices and the software and related documentation in connection with which they need to be included, please contact the attorney from the Development and Strategic Initiatives Legal Group that supports the development team for the Oracle offering. Contact information can be found on the Attorney Contact Chart.

The information contained in this document is for informational sharing purposes only and should be considered in your capacity as a customer advisory board member or pursuant to your beta trial agreement only. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described in this document remains at the sole discretion of Oracle.

This document in any form, software or printed matter, contains proprietary information that is the exclusive property of Oracle. Your access to and use of this confidential material is subject to the terms and conditions of your Oracle Software License and Service Agreement, which has been executed and with which you agree to comply. This document and information contained herein may not be disclosed, copied, reproduced, or distributed to anyone outside Oracle without prior written consent of Oracle. This document is not part of your license agreement nor can it be incorporated into any contractual agreement with Oracle or its subsidiaries or affiliates.

CONTENTS

	PREFACE.....	IV
	Audience.....	iv
	Related Documents.....	iv
	Conventions.....	v
	System Requirements.....	v
	Manual History.....	v
CHAPTER 1		
	INTRODUCTION TO SOFTDATA.....	6
	Concept Diagram.....	6
	Software Integration.....	7
	Arguments.....	8
CHAPTER 2		
	INSBRIDGE.XML DATA REQUEST FORMAT.....	9
	Example.....	10
	Global Variable Data Request.....	10
	Example.....	12
	Summary.....	12
	Environments.....	13
CHAPTER 3		
	INSBRIDGEDATA.XML RESULT FORMAT.....	14
	Example.....	15
	Summary.....	16
CHAPTER 4		
	COMMON ERRORS.....	17
	Unable to Validate Document against Schema.....	17
	Unexpected Token.....	17
	System Exception.....	18
	No Data.....	18
	No Data for a Global Variable.....	19
	Invalid Object Name.....	20
	Bad Format.....	20
	Environment Target Not Found.....	21
SUPPORT		
	CONTACTING SUPPORT.....	22
	TTY Access to Oracle Support Services.....	22

Deaf/Hard of Hearing Access to Oracle Support Services.....	22
---	----

INDEX

INDEX	23
-------------	----

LIST OF FIGURES

FIGURE 1 INSBRIDGEDATAREQUEST.XML TABLE	10
FIGURE 2 EXAMPLE INSBRIDGE DATA REQUEST.XML	10
FIGURE 3 EXAMPLE INSBRIDGE GLOBAL DATA REQUEST.XML	12
FIGURE 4 INSBRIDGEDATARESULTS.XML	15
FIGURE 5 EXAMPLE INSBRIDGEDATARESULTS.XML.....	16
FIGURE 6 TABLE VARIABLE REPORT ON QUERIED TABLE	16

PREFACE

Welcome to the *Oracle Insurance Insbridge Rating and Underwriting SoftData for Java Guide*. This guide describes the usage and supported features of Oracle Insurance Insbridge Rating and Underwriting SoftData for Java (SoftData). SoftData is a feature of Oracle Insurance Insbridge Rating and Underwriting SoftRater Server (IBSS) that allows you to retrieve values dynamically from SoftRater Packages. SoftData is available from the IBSS Menu Tree.



This guide serves as a supplemental document to the Insbridge SoftRater Server Guide. It provides a reference for developers to properly interact with the SoftData Engine either through SOAP, POST Web Services Interface (WSI) or Direct EJB Interfacing.

AUDIENCE

This guide is intended for system administrators who are tasked with administering SoftRater Server. A fundamental knowledge of SoftRater is required. Readers of this document should be familiar with XML, HTTP and the corresponding platforms; either WebLogic, WebSphere or Jboss.

RELATED DOCUMENTS

For more information, refer to the following Oracle resources:

- The Oracle Insurance Insbridge Rating and Underwriting RateManager User Guide.
- The Oracle Insurance Insbridge Rating and Underwriting SoftRater User Guide.
- You can view these guides in-line at this address:

<http://www.oracle.com/technetwork/documentation/insurance-097481.html>

CONVENTIONS

The following text conventions are used in this document:

Convention	Description
bold	Boldface type indicates graphical user interface elements associated with an action.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

SYSTEM REQUIREMENTS

For minimum operating system and hardware requirements, please see the Hardware Software requirements guide.

Manual History

New editions incorporate any updates issued since the previous edition.

Edition	Publication Number	Product Version	Publication Date	Comment
1 st Edition	P01-773-01	V 3.8.8	February 2008	
2 nd Edition	P01-773-02	V 3.11	February 2009	
3 rd Edition	P01-773-03	V 3.12	July 2009	
4 th Edition	P01-773-04	V 3.13	December 2009	
5 th Edition	P01-773-05	R 4.0	April 2010	
6 th Edition	P01-773-06	R 4.0.1	August 2010	Update Release
7 th Edition	P01-773-07	R 4.1	December 2010	Update Release
8 th Edition	P01-773-08	R 4.5	May 2011	Update Release
9 th Edition	P01-773-09	R 4.5.1	September 2011	Update Release
10 th Edition	P01-773-10	R 4.6	May 2012	Update Release
11 th Edition	P01-773-11	R 4.6.1	November 2012	Update Release

Chapter 1

INTRODUCTION TO SOFTDATA

SoftData is a method designed to provide the maximum amount of integration flexibility while maintaining a high level of operational efficiency for rules and rating applications. It allows an application to dynamically retrieve values from SoftRater Packages (SRPs) so that values do not have to be hard coded into an application.

For example, if you had a web-based application that allowed a consumer or agent to request a quote, SoftData calls could be used to fill in drop down text boxes with valid values. This allows the same application to be used across multiple states and carriers. It also prevents duplicate data entry, reducing the chance of making a costly mistake.

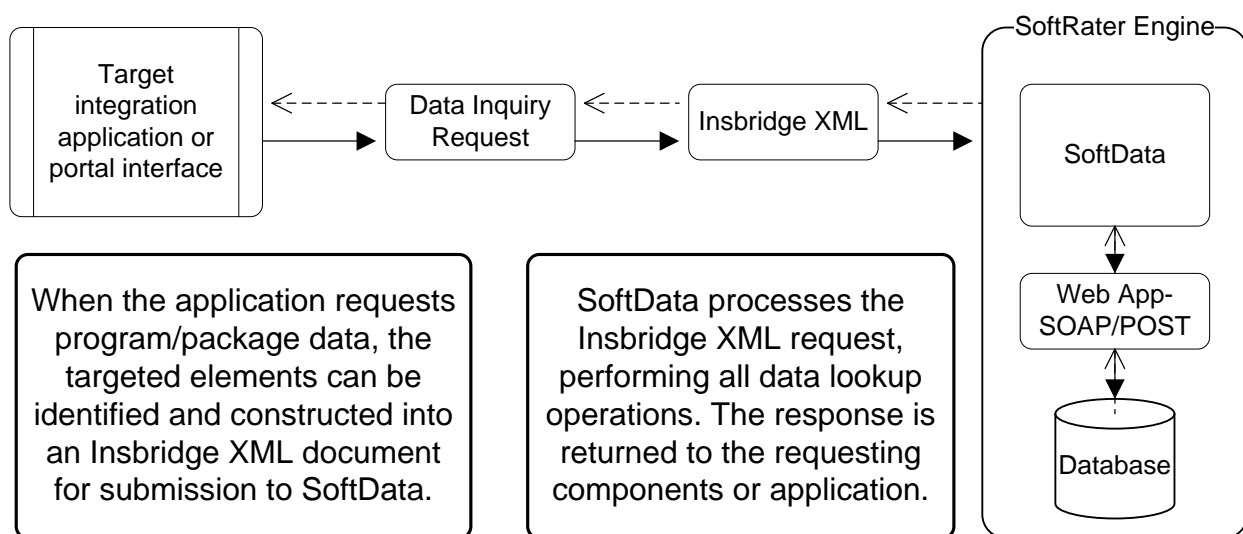
The core foundation is based on enumerated mappings to program based data elements built through the RateManager application. The schema model uses single character mapping node items, i.e. <m>, <q>, <i>, etc., which provide efficient document processing while gaining the system benefits of an extremely low XML document weight for small storage and faster transmission.

There are two parts to a SoftData call, the data request and the data result. For more information on these, see the following:

- [Insbridge.XML Data Request Format](#)
- [InsbridgeData.XML Result Format](#)

Concept Diagram

The diagram below shows the high level interaction between the client application and the SoftData system. The SoftRater instance is responsible for all rating and underwriting processing but SoftData interface provides all the services for program data inquiry. The basic functionality of the SoftData system is demonstrated below. Input data is sent to the SoftData instance, processed and output data is returned.



SOFTWARE INTEGRATION

SoftData is an EJB component hosted in the Application Server and accessible through the following software integration methods.

1. **HTTP SOAP Proxy** – SoftRater Web Service – WSDL documents can be found in IBSS. From the WSDL documents, proxy classes can be generated to communicate with the installed SoftRater instance. The SoftData Web Service WSDL can be found on the IBSS→SoftData Version 1→ Get WSDL Files. Also included is a sample SoftData SOAP proxy class.

NOTE: *In IBSS, WebSphere returns different menu options than WebLogic or JBoss for the Get WSDL Files link.*

Whether sample SoftDataProxy class is used or a new one is generated from the WSDL interface, the integrating application must call the ([setEndPoint](#)) method to set the target hosting URL for the SoftRater instance. The target hosting URL may vary according to platform. Please refer to the SoftData Administrator page for the target hosting URL.

2. **HTTP POST** – A lite weight Web Service Interface JSP page is provided as an interface for clients with just web form POST abilities. The URL to the POST interface may vary according to platform. Please refer to the SoftData Administrator page (IBSS→SoftData Version 1) for the URL to the POST interface.
3. **EJB** – Direct JNDI interfacing.

The EJB interfaces for creating service clients which are used to create SoftRater instances.

Typical JNDI Path – This value will be difference for each platform:

[WebSphere](#) - [ejb/com/insbridge/softdata/SoftDataHome](#)
[WebLogic](#) - [ejb.SoftDataEJBRemoteHome](#)
[JBoss](#) - [IBSS/SoftDataEJB/local](#)

Target JAR – [SoftRaterEJB.jar](#) is a part of the SoftRater.EAR file* that you downloaded. It contains the following standard EJB 2.0 interface files.

- [SoftData](#) – [Remote interface for Enterprise Bean](#)
- [SoftDataBean](#) – [Bean implementation class for Enterprise Bean](#)
- [SoftDataHome](#) – [Home interface for Enterprise Bean](#)

*The SoftRater.EAR file depends upon your selected platform:

[WebSphere](#) - [IBSS_WS.EAR](#)
[WebLogic](#) - [IBSS_WL.EAR](#)
[Jboss](#) - [IBSS_JBoss.EAR](#)

Interface Example:

```
package com.insbridge.softdata;

import java.rmi.RemoteException;

/**
 * Remote interface for Enterprise Bean: SoftRater
 */
public interface SoftData extends javax.ejb.EJBObject
{
    public String GetMapData (        final String XMLInput,
                                     final String TargetEnvironment
    )

    throws RemoteException;

    public void ResetConfigInfo() throws RemoteException;

    public String getDefaultPath() throws RemoteException;

    public String getVersion() throws RemoteException;

    public String QueryAvailableEnvironments() throws RemoteException;
}
```

Arguments

The SoftRater engine rating arguments control the handling of XML data out of the system. For optimal performance use the following options, if possible, for your rating integration.

- String XMLInput – InsbridgeData.XML (Request) document containing the target data program data and lookup variables to be inquired against.
- String TargetEnvironment – (Optional) – Name of the SoftRater datasource environment to which the request should be processed against. If not provided the default will be obtained from the required target program data in the InsbridgeData.XML (Request).

Chapter 2

INSBRIDGE.XML DATA REQUEST FORMAT

InsbridgeData.XML is designed to provide the maximum amount of integration flexibility while maintaining a high level of operational efficiency for rules and rating applications. The core foundation is based on enumerated mappings to program based data elements built through the RateManager application. The schema model uses single character mapping nodes items i.e. "<m>,<q>,<i>," etc" that provides efficient document processing while gaining the system benefits of an extremely low XML document weight for small storage and faster transmission.

InsbridgeDataRequest.XML is the format in which requests are sent to SoftData. The table below outlines the nodes and attributes and whether or not they are required.

ELEMENT	DATA TYPE	DESCRIPTION	REQUIRED
<ibdoc>		Insbridge document namespace node. This is the requesting server, not the responding server.	Y
<datarequest>		Data request node	Y
lob	Long	Line of Business identification number	Y
env_def	String	SoftRater Explorer environment identifier	Y
<program>		Program target node	Y
parent_id	Long	Your company's subscriber ID	Y
datastore_id	Long	SoftRater Explorer managed subscriber's identification number– this is rarely used and not required.	N
id	Long	Program identification number. Global = 0	Y
ver	Long	Program version number. Global = 0 If the program version specified is not found, the variable revision will be used.	Y
datemask	String	Date mask to use for any date queries	Y
<m>		Table lookup variable node	N
i	Long	Lookup variable identification number	Y
r	Short	Lookup variable revision number NOTE: Leaving this field may result in unexpected results. Only local values may be returned.	Y
p	Long	Lookup variable data row position to start querying new data from	N
c	Long	Lookup variable total count of data rows to be returned	N
n	Any	Lookup variable description	N

w	Int	Wildcard indicator	N
fq	String	List of qualifier filter	N
empty_qual	Long	Returns empty fields. The default is 0. 0=DO NOT return empty fields. 1=Return empty fields This is an optional field	N
<q>		Lookup variable qualification node	N
i	Long	Qualifier query identification number	Y
t	Long	Qualifier query type number: 0 – Integer, 1 – String, 2 – Decimal, or 3 – Date.	Y
v	Any	Qualifier query value	Y
o	String	Qualifier query operation selection	Y

Figure 1 InsbridgeDataRequest.XML Table

The following is an example of an InsbridgeData request XML document:

Example

```

<ibdoc>
  <datarequest lob="1" env_def="appServ02/QA">
    <program parent_id="8659" id="1" ver="4" datemask='mm/dd/yyyy'>
      <m i="10" r="1" n="BI_Limit_per_Occurrence"/>
      <m i="10" r="1" p="28" c="10" n="BI_Limit_Factor">
        <q i="2" t="0" v="75287" o="="/>
        <q i="4" t="1" v="Dallas" o="="/>
      </m>
    </program>
  </datarequest>
</ibdoc>

```

Figure 2 Example Insbridge Data Request.XML

Global Variable Data Request

To obtain a global variable data result, the program node requires that the id be set to the program XML id found in RateManager and version attribute be set to zero (0). On the table lookup node, the identification node must be set to zero (0).

ELEMENT	DATA TYPE	DESCRIPTION	REQUIRED
<ibdoc>		Insbridge document namespace node. This is the requesting server, not the responding server.	Y
<datarequest>		Data request node	Y

lob	Long	Line of Business identification number	Y
env_def	String	SoftRater Explorer environment identifier	Y
<program>		Program target node	Y
parent_id	Long	Your company's subscriber ID	Y
datastore_id	Long	SoftRater Explorer managed subscriber's identification number– this is rarely used and not required.	N
id	Long	Program identification number must be set to the program XML id found in RateManager.	Y
ver	Long	Program version number must be 0. This indicates a global variable data request.	Y
datemask	String	Date mask to use for any date queries	Y
<m>		Table lookup variable node	N
i	Long	Lookup variable identification number must be 0. This indicates a global variable.	Y
r	Short	Lookup variable revision number NOTE: Leaving this field may result in unexpected results. Only local values may be returned.	Y
p	Long	Lookup variable data row position to start querying new data from	N
c	Long	Lookup variable total count of data rows to be returned	N
n	Any	Lookup variable description	N
w	Int	Wildcard indicator	N
fq	String	List of qualifier filter	N
empty_qual	String	Returns empty fields. The default is 0. 0=DO NOT return empty fields. 1=Return empty fields This is an optional field	N
<q>		Lookup variable qualification node	N
i	Long	Qualifier query identification number	Y
t	Long	Qualifier query type number: 0 – Integer, 1 – String, 2 – Decimal, or 3 – Date.	Y
v	Any	Qualifier query value	Y
o	String	Qualifier query operation selection	Y

Example

```
<ibdoc>
  <datarequest lob="1" env_def="appServ02/QA">
    <program parent_id="8659" id="29" ver="0" datemask='mm/dd/yyyy'>
      <m i="0" r="1" n="BI_Limit_per_Occurrence"/>
      <m i="0" r="1" p="28" c="10" n="BI_Limit_Factor">
        <q i="2" t="0" v="75287" o="="/>
        <q i="4" t="1" v="Dallas" o="="/>
      </m>
    </program>
  </datarequest>
</ibdoc>
```

Figure 3 Example Insbridge Global Data Request.XML

SUMMARY

- To request data from multiple program data sources you can include 1 – N number of program nodes in the <datarequest> node.
- To request data from multiple table variables you can include 1 – N mapping nodes in the <program> target node.
- To request global variable data, the program node requires that the id and version attributes both be set to zero. On the table lookup node, the identification node must be set to the program XML id found in RateManager.
- The Insbridge Published Program Summary Report, part of the SoftRater Package Listing Details View from Insbridge Framework Administrator, provides a list all available table variables for a program including the qualifiers needed to query data for the variable successfully. It will also have information on the qualifier and result variable data types and information on whether the table variable returns multiple results (RateManager-Linked Table Variables) for every item row.
- Qualifier Types are enumerated as follows:
 - 0 = Integer
 - 1 = String
 - 2 = Decimal
 - 3 = Date
- Valid Qualifier Operators are entered as follows.

=	Equals
<	Less than
>	Greater than
<=	Less than or equal to
>=	Greater than or equal to
<>	Not equal to

Environments

If submitting via web services, an environment must be specified in the request.

If using the IBSS SoftData tester, the environment can be specified in the request or selected from the environments drop down. If an environment is selected from the drop down, the environment specified in the request will not be used. If no environment is specified, the request will error out.

Chapter 3

INSBRIDGEDATA.XML RESULT FORMAT

InsbridgeDataResults.XML is the format that results are received in from a data request. The table below shows the information returned.

ELEMENT	DATA TYPE	DESCRIPTION	ADDITIONAL INFORMATION
<ibdoc>		Insbridge document namespace node. This is the requesting server, not the responding server.	
gen_date	Datetime	Document creation time stamp	
timespan	String	Time to process the request	
site_location	String	The name of the physical server	
<dataresults>		Data result node	
lob	Long	Line of business Identifier	
env_def	String	SoftRater Explorer Environment Identifier	
<program>		Program selected node	
parent_id	Long	Your company's subscriber ID	
id	Long	Program identification number	
ver	Long	Program version number	
<m>		Table lookup variable node	One node is returned for each corresponding node in the data request
i	Long	Lookup variable identification	
r	Short	Lookup variable identification revision number	
p	Long	Last data item row position retrieved	
c	Long	Lookup variable total count of data nodes returned	
n	Any	Lookup variable description request from the input	
l	Boolean	Lookup variable flag indicating if the result contains linked results	

<d>		Data node	One node is returned for each row returned
p	Long	Data row position indicator	
<v>	Any	Value node (Multiple will be returned for linked table variables)	One node is returned for each variable
<q>	Any	Lookup variable qualification node	One node is returned for each qualifier

Figure 4 InsbridgeDataResults.XML

An example data result is shown below.

Example

```
<ibdoc gen_date="2/10/2012 1:25:28 PM" timespan="0.0250000" site_location="DB003" xmlns="">
  <dataresults lob="1" env_def=" SR_win">
    <program parent_id="8659" id="35" ver="2">
      <m i="10" r="2" n="BI_Limit_per_Occurrence" l="true">
        <d p="1">
          <v>100/200</v>
          <v>Our_Standard_Limit</v>
          <v>L100</v>
          <q>100</q>
        </d>
        <d p="2">
          <v>300/400</v>
          <v>Optional_Limit</v>
          <v>L200</v>
          <q>200</q>
        </d>
        <d p="3">
          <v>200/300</v>
          <v>Highest_Limit</v>
          <v>L300</v>
          <q>300</q>
        </d>
      </m>
      <m i="10" r="2" p="28" c="10" n="BI_Limit_Factor" l="true">
        <d p="1">
          <v>0.001</v>
          <q>75025</q>
          <q>Plano</q>
          <q>Collin</q>
          <q>Texas</q>
        </d>
        <d p="2">
          <v>0.235</v>
          <q>75025</q>
        </d>
      </m>
    </program>
  </dataresults>
</ibdoc>
```

```

        <q>Plano</q>
        <q>Collin</q>
        <q>Texas</q>
    </d>
    <d p="3">
        <v>0.906</v>
        <q>75025</q>
        <q>Plano</q>
        <q>Collin</q>
        <q>Texas</q>
    </d>
</m>
</program>
</dataresults>
</ibdoc>

```

Figure 5 Example InsbridgeDataResults.XML

Table Variable Report: BI_Limit_Factor - Windows Internet Explorer

Table Variable Report

Program Name: AUTO GLOBAL

Variable Revision: 1

Variable Request ID: 10

Working Category: Vehicle

Limit: 500 Data Rows

Variables					CRITERIA				
BI Limit Factor	BI Coverage Type	BI Limit Code	BI Limit Per Occurrence	BI Limit Per Accident Occurrence	ZIP Code	City	County	State	
type: Decimal default: 1.0	type: String default: Our_Standard_Limit	type: String default: L100	type: String default: 100/200	type: String condition: [=]	type: Integer condition: [=]	type: String condition: [=]	type: String condition: [=]	type: String condition: [=]	
1	0.001	Our_Standard_Limit	L100	100/200	100	75025	Plano	Collin	Texas
2	0.235	Optional_Limit	L200	300/400	200	75025	Plano	Collin	Texas
3	0.906	Highest_Limit	L300	200/300	300	75025	Plano	Collin	Texas
4	0.012	Our_Standard_Limit	L100	100/200	100	75013	Allen	Collin	Texas
5	0.445	Optional_Limit	L200	300/400	200	75013	Allen	Collin	Texas
6	1.236	Highest_Limit	L300	200/300	300	75013	Allen	Collin	Texas
7	0.081	Our_Standard_Limit	L100	100/200	100	75023	Plano	Collin	Texas
8	0.245	Optional_Limit	L200	300/400	200	75023	Plano	Collin	Texas
9	0.905	Highest_Limit	L300	200/300	300	75023	Plano	Collin	Texas
10	0.081	Our_Standard_Limit	L100	100/200	100	75024	Plano	Collin	Texas
11	0.245	Optional_Limit	L200	300/400	200	75024	Plano	Collin	Texas
12	0.904	Highest_Limit	L300	200/300	300	75024	Plano	Collin	Texas
13	0.055	Our_Standard_Limit	L100	100/200	100	75035	Frisco	Collin	Texas
14	0.212	Optional_Limit	L200	300/400	200	75035	Frisco	Collin	Texas
15	0.908	Highest_Limit	L300	200/300	300	75035	Frisco	Collin	Texas
16	0.071	Our_Standard_Limit	L100	100/200	100	75074	Plano	Collin	Texas
17	0.231	Optional_Limit	L200	300/400	200	75074	Plano	Collin	Texas
18	0.937	Highest_Limit	L300	200/300	300	75074	Plano	Collin	Texas
19	0.061	Our_Standard_Limit	L100	100/200	100	75075	Plano	Collin	Texas
20	0.239	Optional_Limit	L200	300/400	200	75075	Plano	Collin	Texas
21	0.948	Highest_Limit	L300	200/300	300	75075	Plano	Collin	Texas

Print

Close

Figure 6 Table Variable Report on Queried Table

SUMMARY

- For each target program node there is one selected program node supplied in the <dataresults> node. Each <program> contains all queried table variables and data for that program.
- Table lookup variables nodes with the linked variable flag "l=true" will contain 1 – N value nodes <v> for each data <d> row node returned. The values in the <v> nodes are assigned respective to the order determined during variable setup in (RateManager-Linked Table Variables) and listed in the Insbridge Published Program Summary Report.

Chapter 4

COMMON ERRORS

There are some common errors that may be returned with a request.

Unable to Validate Document against Schema

This error results from a required value not being submitted in the request.

SUBMITTED

```
<ibdoc>
  <datarequest lob="1" env_def="SR_IBSS">
    <program parent_id="8659" id="1" ver="4" datemask='mm/dd/yyyy'>
      <m i="10" r="1" n="BI_Limit_per_Occurrence"/>
      <m i="10" r="1" p="28" c="10" n="BI_Limit_Factor">
        <q i="2" v="75287" o="="/>
        <q i="4" v="Dallas" o="="/>
      </m>
    </program>
  </datarequest>
</ibdoc>
```

RETURNED

Qualifier data type attribute 't' is required!

In this example, the qualifier type ("t" value) was not submitted in the lookup variable qualification node. To correct the error in this example, a "t" value needs to be added:

```
<q i="2" t="0" v="75287" o="="/>
<q i="4" t="1" v="Dallas" o="="/>
```

Unexpected Token

This error results from an unexpected character or incorrect spacing being in the request. The character or spacing is non-compliant with the expected format and may appear in any line in the request. The character (token) and the location may be defined in the message. You may also receive this error for a carriage return at the end of the request.

SUBMITTED

```
<ibdoc>
  <datarequest lob="1" env_def="SR_IBSS">
    <program parent_id="8659" id="1" ver="4" datemask='mm/dd/yyyy'>
      <m i="10" r="1" n="BI_Limit_per_Occurrence"/>
      <m i="10" r="1" p="28" c="10" n="BI_Limit_Factor">
```

```

        <q i="2" t="0" v="75287" o="="/>
        <q i="4" t="1" v="Dallas" o="="/>
    </m>
</program>
</datarequest>
</ibdoc>

```

RETURNED

Error on line 6: Open quote is expected for attribute "{1}" associated with an element type "v".

In this example, on line 6 position 12 a quotation mark has been rejected. The quotation mark is in an unacceptable font. To correct the error in this example, new quotation marks must be used.

```

        <q i="2" t="0" v="75287" o="="/>
        <q i="4" t="1" v="Dallas" o="="/>

```

System Exception

This error results from a request being sent to a SoftRater for Java engine and the application server has not been started.

SUBMITTED

```

<ibdoc>
  <datarequest lob="1" env_def="SR_WEBLOGIC">
    <program parent_id="8659" id="1" ver="3" datemask='mm/dd/yyyy'>
      <m i="1" r="1" n="BIBaseRate"/>
    </program>
  </datarequest>
</ibdoc>

```

RETURNED

Environment connection target not found. [//connection[@name= 'SR_WEBLOGIC']]

In this example, the request was sent to a WebLogic application server. WebLogic could not be found. To correct the error in this example, you must start the application server or request the system administrator to start the application server.

No Data

A request that does not contain any information or error message may be because the table variable is a global or the wrong table has been queried.

SUBMITTED

```

<ibdoc>
  <datarequest lob="1" env_def="SR_WEBLOGIC">
    <program parent_id="8659" id="1" ver="4" datemask='mm/dd/yyyy'>

```

```

        <m i="16" r="1"/>
    </program>
</datarequest>
</ibdoc>

```

RETURNED

```

<ibdoc gen_date='2012-10-12 11:51:06 PM'>
  <dataresult lob='1' env_def='SR_WEBLOGIC'>
    <program parent_id='8659' id='1' ver='4'>
    </program>
  </dataresult>
</ibdoc>

```

In this example, the request was for a table variable that did not exist in this program. To correct the error in this example, the table variable id needs to be verified.

```

<m i="6" r="1"/>

```

No Data for a Global Variable

A request for a global variable that does not contain any information or error message may be because the request is not formatted correctly. Global variables belong to all programs in the subline and cannot be identified by program version. To obtain a global variable data result, the program node requires that the id be set to the program XML id found in RateManager and version attribute be set to zero. On the table lookup node, the identification node must be set to 0.

SUBMITTED

```

<ibdoc>
  <datarequest lob="1" env_def="SR_WEBLOGIC">
    <program parent_id="8659" id="1" ver="2" datemask="mm/dd/yyyy">
      <m i="0" r="1"/>
    </program>
  </datarequest>
</ibdoc>

```

RETURNED

```

<ibdoc gen_date='2012-10-12 11:51:06 PM'>
  <dataresult lob='1' env_def='SR_WEBLOGIC'>
    <program parent_id='8659' id='1' ver='4'>
    </program>
  </dataresult>
</ibdoc>

```

In this example, the request was for a global table variable. To correct the error in this example, the version must be changed to 0.

```

<program parent_id="8659" id="1" ver="0" datemask="mm/dd/yyyy">

```

Invalid Object Name

This error results from the table not being found for the subscriber and line of business.

SUBMITTED

```
<ibdoc>
  <datarequest lob="1" env_def="Production">
    <program parent_id="8647" id="29" ver="1" datemask='mm/dd/yyyy'>
      <m i="4" r="1" n="BI Territory Factor"/>
      <m i="4" r="1" p="5" c="2" n="PD Territory Code">
        <q i="1" t="0" v="8" o="="/>
        <q i="1" t="0" v="11" o="="/>
      </m>
    </program>
  </datarequest>
</ibdoc>
```

RETURNED

DB Error: Invalid object name 'DT18647'.

In this example a request was made against the auto line in the "Production" environment. When the query was made, the requested table could not be found. To correct the error in this example, verify that the package has been loaded to the proper environment and that the correct subscriber and line of business were used.

```
<program parent_id="8659" id="29" ver="1" datemask='mm/dd/yyyy'>
```

Bad Format

Bad format errors occur when the submitted format does not meet the required format. The error message may give the line and position of the error.

SUBMITTED

```
<ibdoc>
  <datarequest lob="1" env_def="SR_WEBLOGIC">
    <program parent_id="8659" id="0" ver="0" datemask='mm/dd/yyyy'>
      <m i="6" r="1" >
    </program>
  </datarequest>
</ibdoc>
```

RETURNED

Error on line 5: The element type "m" must be terminated by the matching end-tag "".

In this example, an end slash is missing from the table lookup node. To correct the error in this example, a slash needs to be added.

```
<m i="6" r="1" />
```

SUBMITTED

```
<ibdoc>
  <datarequest lob="1" env_def="SR_WEBLOGIC">
    <program parent_id="8659" id="1" ver="4" datemask='mm/dd/yyyy'>
      <m i="10" r="1" n="BI_Limit_per_Occurrence"/>
      <m i="10" r="1" p="28" c="10" n="BI_Limit_Factor">
        <q i="2" t="0" v="75287" o="="/>
        <q i="4" t="1" v="Dallas" o="="/>
      </m>
    </program>
  </datarequest>
</ibdoc>
```

RETURNED

Error on line 6: Element type "q" must be followed by either attribute specifications, ">" or "/>".

In this example, there is an extra quotation mark (") in front of the t value. To correct this error in this example, remove the extra quotation mark

```
<q i="2" t="0" v="75287" o="="/>
```

Environment Target Not Found

The environment target not found error occurs when the environment is not specified in the request and has not been selected in the environments drop down..

SUBMITTED

```
<ibdoc>
  <datarequest lob="1" env_def="">
    <program parent_id="8659" id="1" ver="4" datemask='mm/dd/yyyy'>
      <m i="10" r="1" n="BI_Limit_per_Occurrence"/>
      <m i="10" r="1" p="28" c="10" n="BI_Limit_Factor">
        <q i="2" t="0" v="75287" o="="/>
        <q i="4" t="1" v="Dallas" o="="/>
      </m>
    </program>
  </datarequest>
</ibdoc>
```

RETURNED

Dynamic environment target not found. [//connection[@id='8659']]

In this example, an environment needs to be specified in the request or selected from the environments drop down.

```
<datarequest lob="1" env_def="SR_WEBLOGIC">
```

CONTACTING SUPPORT

If you need assistance with an Oracle Insurance Insbridge Rating and Underwriting System product, please log a Service Request using My Oracle Support at <https://support.oracle.com/>.

Address any additional inquiries to:

Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
oracle.com

TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, seven days a week. For TTY support, call 800.446.2398.

Deaf/Hard of Hearing Access to Oracle Support Services

To reach Oracle Support Services, use a telecommunications relay service (TRS) to call Oracle Support at 1.800.223.1711. An Oracle Support Services engineer will handle technical issues and provide customer support according to the Oracle service request process. Information about TRS is available at <http://www.fcc.gov/cgb/consumerfacts/trs.html>, and a list of phone numbers is available at <http://www.fcc.gov/cgb/dro/trsphonebk.html>.

INDEX

<

- <d>
 - Requirements Table, 14
- <datarequest>
 - Requirements Table, 9, 10
- <dataresult>
 - Requirements Table, 14
- <ibdoc>
 - Requirements Table, 9, 10, 14
- <m>
 - Requirements Table, 9, 11, 14
- <program>
 - Requirements Table, 9, 11, 14
- <q>
 - Requirements Table, 10, 11, 15
- <v>
 - Requirements Table, 15

A

- Attribute
 - Requirements Table, 9

D

- Data Request, 6
- Data Results, 6

E

- Edition Notice, 2
- Errors, 17
- Example
 - SoftData, 6

F

- Format
 - Results Recieved from Data Request, 14

I

- InsbridgeDataResult.XML, 14

M

- Mapping Node Items, 6

N

- Nodes
 - Requirements Table, 9

O

- Overview
 - SoftData, 6

Q

- Qualifier Operators
 - Valid, 12

S

- SoftData
 - Example, 6
 - Overview, 6
- SoftData Definition, iv