

Oracle Insurance IBRU SoftData User Manual

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Oracle Insurance Insbridge Rating and Underwriting SoftData User Manual

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Preface

Welcome to the *Oracle Insurance Insbridge Rating and Underwriting SoftData Guide*. This guide describes the usage and requirements of Oracle Insurance Insbridge Rating and Underwriting SoftData (SoftData). SoftData is a feature of Oracle Insurance Insbridge Rating and Underwriting Framework Administrator (IBFA) that allows you to retrieve values dynamically from SoftRater Packages. Soft Data is available from the IBFA **Menu Tree**.

Audience

This guide is intended for system administrators who are tasked with administering RateManager. A fundamental knowledge of RateManager and SoftRater is required.

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	P01-725-01	V 3.5	November 2005	
2 nd Edition	P01-725-02	V 3.5	June 2006	Update
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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:

- InsbridgeDataRequest.XML
- InsbridgeDataResult.XML

InsbridgeDataRequest.XML

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	Y
<datarequest>		Data request node	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	N
env_def	String	SoftRater Explorer environment identifier	N
id	Long	Program identification number	Y
ver	Long	Program version number	Y
<M>		Mapped lookup variable node	N
i	Long	Lookup variable identification number	Y
r	Long	Lookup variable revision number	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
<Q>		Lookup variable qualification node	N
i	Long	Qualifier identification number	Y
t	Long	Qualifier type number	N
v	Any	Qualifier value	Y
o	String	Qualifier operation selection	Y

Figure 1 InsbridgeDataRequest.XML Table

An example data request is shown below.

Example

```
<ibdoc>
  <datarequest lob="1">
    <program parent_id="123" datastore_id="123" env_def=""
      id="35" ver="2">
      <m i="35" r="2" n="Get BI Limits"/>
      <m i="135" r="1" p="25" c="25" n="Get BI factors">
        <q i="1" v="75025" o="="/>
        <q i="3" v="Collin" o="="/>
      </m>
    </program>
  </datarequest>
</ibdoc>
```

Figure 2 Example InsbridgeDataRequest.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 mapped variables you can include 1 – N mapping nodes in the <program> target node.
- The Insbridge Published Program Summary Report will list all available mapped variables for a program including the qualifiers needed to query data for the variable successfully. It also will have information on the qualifier and result variable data types and information on whether the mapped variable returns multiple results (see the RateManager topic - Linked Variables) for every item row.
- Qualifier Types are enumerated as follows:
 - 0 = Integer
 - 1 = String
 - 2 = Float
 - 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

InsbridgeDataResult.XML

InsbridgeDataResult.XML is the format that results are received in from a data request. The table below shows the information returned and whether or not it is optional.

ELEMENT	DATA TYPE	DESCRIPTION	OPTIONAL	ADDITIONAL INFORMATION
<ibdoc>		Insbridge document namespace node	N	
gen_date	Datetime	Document creation time stamp	N	
<dataresult>		Data result node	N	
<program>		Program selected node	N	
parent_id	Long	Insbridge public identification number for the selected program	N	
id	Long	Program identification number	N	
ver	Long	Program version number	N	
env_def	String	SoftRater Explorer Environment Identifier	N	
<m>		Mapped lookup variable node	Y	One node is returned for each corresponding node in the data request
i	Long	Lookup variable identification number	N	
r	Short	Lookup variable identification revision number	N	
p	Long	Last data item row position retrieved	Y	
c	Long	Lookup variable total count of data nodes returned	Y	
n	Any	Lookup variable description – from the input request	Y	
l	Boolean	Lookup variable flag indicating if the result contains linked results	N	

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

Figure 3 InsbridgeDataResults.XML

An example data result is shown below.

Example

```
<ibdoc gen_date="2/10/2009 1:25:28 PM">
  <dataresult>
    <program parent_id="123" id="35" ver="2" env_def="default">
      <m i="35" r="2" n="Get BI Limits" 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="135" r="2" p="50" c="25" n="Get BI factors">
        <d p="48">
          <v>0.001</v>
          <q>75025</q>
          <q>Plano</q>
          <q>Collin</q>
          <q>Texas</q>
        </d>
        <d p="49">
```

```

        <v>0.235</v>
        <q>75025</q>
        <q>Plano</q>
        <q>Collin</q>
        <q>Texas</q>
    </d>
    <d p="50">
        <v>0.906</v>
        <q>75025</q>
        <q>Plano</q>
        <q>Collin</q>
        <q>Texas</q>
    </d>
</m>
</program>
</dataresult>
</ibdoc>

```

Figure 4 Example InsbridgeDataResult.XML

Summary

- For each target program node there will be one selected program node supplied in the <dataresult> node. Each <program> will contain all queried mapped variables and data for that program.
- Mapped lookup variable 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 Mapped Variables) and listed in the Insbridge Published Program Summary Report.

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

Address any additional inquiries to:

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