



# POLICY API - CALLS MANUAL

## Revision History

Date	Paragraph	Description of the revision
09-Jan-2012	2.1 Request Parameter	
15-Feb-2012	2.1 Request Parameter	
17-Feb-2012	2.1 Change in response	The datatypes for the PlanCode, RiderCode, Category code is changed to String.
18-Feb-2012	Annexure #1	Annexure added for data structures
27-Mar-2012	2.1 Response Parameter	New fields for Reference No & Claim Code added
28-Mar-2012	2.1 API Call	Updated the URL call & added webservice call details
3-Apr-2012	2.1 API Call	Added new field "policycomment" in the "otherdetails" tag.
3-Apr-2012	2.1 API Call	Use Ref as IV for the encryption
1-Apr-2013		New url for the modified API calls
1-Apr-2013		Added new field Passengerreference in Create Policy & Endorse Policy Calls

## 1. Variable conventions

String	
Numeric(X.Y)	X: number of integer digits. Y: number of decimal digits. Decimal separator: DOT No thousand separator.
Boolean	0 : False 1 : True
Date	DDMMYYYY
Time	HHMMSS
String	Characters including special characters

## 2. API call

### 2.1. Create Policy

<b>Description</b>		This call will be made to create a policy. Use “POST” method to send data to the api call.	
<b>Live URL</b>		https://travel.asego.in/API/v2/CreatePolicy.aspx	
<b>Test URL</b>		https://asegotravel.in/trawelltag/v2/CreatePolicy.aspx	
<b>Live WebService</b>	<b>URL</b>	https://travel.asego.in/API/v2/AgentAPIV2.asmx?WSDL	
	<b>Web Method</b>	CreatePolicy	
<b>Test WebService</b>	<b>URL</b>	https://asegotravel.in/trawelltag/v2/AgentAPIV2.asmx?WSDL	
	<b>Web Method</b>	CreatePolicy	
<b>Method</b>		POST	
<b>Request parameters</b>	<b>Parameter</b>	<b>Data type</b>	<b>Remarks</b>
	<i>Data</i>	String	<p>This will be a Base64 encoded string. The steps for generating this will be as follows:</p> <ul style="list-style-type: none"><li>➤ Create XML as per the below template.</li><li>➤ The “signature” / “sign” shared with you should be used as public key.</li><li>➤ Encrypt the XML using the public key assigned to you. Use Rijndael Encryption Algorithm with 256 Keybits for encrypting XML. The public key shared with you should be used as “key” for encrypting the XML.</li><li>➤ Encode the encrypted data into Base64 string</li></ul>
	<i>Ref</i>	String	<p>This will be the reference id of the API caller. The Reference ID will be provided by Asego Group. This has to be used as an Initialization Vector for the Encryption / Decryption.</p>

**Example:**

Data=YTM0NZomIzI2OTsmIzM0NTueYQ==&Ref=c976b23c-646e-4765-9357-38a28f7bac42

XML structure as follows:

```
<policy>
  <identity>
    <sign>String</sign>
    <branchsign>String</branchsign>
    <username>String</username>
    <reference>String</reference>
  </identity>
  <plan>
    <categorycode>String</categorycode>
```

```

<plancode>String</plancode>
<basecharges>Numeric(18,2)</basecharges>
<riders>
<ridercodepercent="Numeric(18,2)">String</ridercode>
<ridercodepercent="Numeric(18,2)">String</ridercode>
<ridercodepercent="Numeric(18,2)">String</ridercode>
</riders>
<totalbasecharges>Numeric(18,2)</totalbasecharges>
<servicetax>Numeric(18,2)</servicetax>
<totalcharges>Numeric(18,2)</totalcharges>
</plan>
<traveldetails>
<departuredate>Date</departuredate>
<days>Numeric(18,0)</days>
<arrivaldate>Date</arrivaldate>
</traveldetails>
<passengerreference>varchar(300)</ passengerreference>
<insured>
<passport>String</passport>
<contactdetails>
<address1>String</address1>
<address2>String</address2>
<city>String</city>
<district>String</district>
<state>String</state>
<pincode>String</pincode>
<country>String</country>
<phoneno>String</phoneno>
<mobilenno>String</mobilenno>
<emailaddress>String</emailaddress>
</contactdetails>
<name>String</name>
<dateofbirth>Date(dd-mmm-yyyy)</dateofbirth>
<age>Numeric(18,0)</age>
<trawelltagnumber>Numeric(18,0)</trawelltagnumber>
<nominee>String</nominee>
<relation>String</relation>
<pastillness>String</pastillness>
</insured>
<otherdetails>
<policycomment>String</policycomment>
<universityname>String</universityname>
<universityaddress>String</universityaddress>
<documents>
<documentcodeavailable="boolean">Numeric(18,0)</documentcode>
<documentcodeavailable="boolean">Numeric(18,0)</documentcode>
<documentcodeavailable="boolean">Numeric(18,0)</documentcode>
</documents>
</otherdetails>
</policy>

```

Element	Data Type	Size	Required	Remark
Sign	String	100	Yes	Agent Signature, this will be shared by Asego as part of the test credentials api kit

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	BranchSign	String	100	Yes	Branch Signature, this will be shared by Asego as part of the test credentials api kit
	UserName	String	100	Yes	User Name of the Agent Employee, this will be shared by Asego as part of the test credentials api kit

	Reference	String	100	Yes	Your reference no., the local system consuming the api will be generating a unique alphanumeric or numeric reference number
	PassportNumber	String	20	No	Passport Number, the field is mandatory for international travel and optional for Nepal
	CategoryCode	String	50	Yes	Insurance Category, this will be shared by Asego as part of the api kit. The local system shall store the category in the database or any storage format
	PlanCode	String	50	Yes	Policy Plan Code, this will be shared by Asego as part of the api kit. The local system shall store the plans in the database or any storage format. Based on the age, travel days and plans configured for the partner/agent, the plans shall be displayed for the traveller(s). Based on the applicant type, the plans will be displayed from the local system and two separate api calls shall be initiated for different applicant type.(E.g. Student and/or others)
	DepartureDate	Datetime		Yes	Departure Date
	Days	Numeric		Yes	No of Travel Days
	ArrivalDate	Datetime		Yes	Arrival Date
	Passengerreference	Varchar	300	No	Passenger Reference
	Address1	String	500	Yes	Address Line 1
	Address2	String	500	No	Address Line 2
	City	String	50	Yes	City
	District	String	50	Yes	District
	State	String	50	Yes	State
	PinCode	String	10	Yes	Pin Code
	Country	String	100	Yes	Country
	PhoneNo	String	50	No	Phone No
	MobileNo	String	50	Yes	Mobile No
	PolicyComment	String	1000	No	Policy Comment



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	UniversityAddress	String	1000	No	University Address
	Name	String	50	Yes	Insured Name
	DateofBirth	Datetime		Yes	Insured Date of Birth
	Age	Numeric		Yes	Insured Age
	TrawellTagNumber	Numeric		No	Trawell Tag Number
	Nominee	String	50	Yes	Nominee Name, if not captured "LEGAL HEIR" will be set by the local system
	Relation	String	50	Yes	Nominee Relation, if not captured "LEGAL HEIR" will be set by the local system
	PastIllness	String	1000	No	Past Illness
	EmailAddress	String	50	Yes	Insured Email Address
	Base Charges	Numeric		Yes	Base Charges
	Total Base Charges	Numeric		Yes	Total Base Charges including Riders
	Service Tax	Numeric		Yes	Service Tax
	TotalCharges	Numeric		Yes	Total / Net Charges
	RiderCode	String	50	No	Rider Code
	DocumentCode	Numeric		No	Document Code
	Available	Boolean		Yes	If Document Code is available and set then this variable will identify whether the document is available? The value will be set as "True" else "False".

<b>Response</b>	XML structure as follows:		
	<pre> &lt;data&gt; &lt;status&gt;String&lt;/status&gt; &lt;policy&gt;String&lt;/policy&gt; &lt;document&gt;String&lt;/document&gt; &lt;reference&gt;String&lt;/reference&gt; &lt;claimcode&gt;String&lt;/claimcode&gt; &lt;errorcode&gt;String&lt;/errorcode&gt; &lt;message&gt;String&lt;/message&gt; &lt;/data&gt; </pre>		
	Where:		
	<b>Parameter</b>	<b>Data type</b>	<b>Remarks</b>
	<i>Status</i>	String	<p>This could be any of the following value:</p> <ul style="list-style-type: none"> <li>• <i>Ok</i></li> <li>• <i>Error</i></li> <li>• <i>Retry</i></li> </ul> <p>If the status is “Ok” then the policy is generated and the policy number is assigned in the “Policy” element. The document element will contain the Policy PDF document file URL.</p> <p>If the status is “Error” then the policy could not be generated and the reason will be in the “Message” element and the error code will be in the “ErrorCode” element.</p> <p>If the status is “retry” then the policy is not generated and the request can be re-sent for policy creation.</p>
	<i>Policy</i>	String	Policy Number
	<i>Document</i>	String	This will be URL to the Policy PDF document that is generated on the server.
	<i>Reference</i>	String	This is the “Your Reference No” which is sent within the XML in the request.
	<i>ClaimCode</i>	String	This is the claim code number.
	<i>ErrorCode</i>	String	Error Code
	<i>Message</i>	String	In case of error, the user friendly message will be sent here

## 2.2. EndorsePolicy

<b>Description</b>		This call will be made to start the endorsement. The call to this API call will return the policy details.				
<b>URL</b>		https://travel.asego.in/API/v2/EndorsePolicy.aspx				
<b>WebService</b>	<b>URL</b>	https://travel.asego.in/API/v2/AgentAPIV2.asmx?WSDL				
	<b>Web Method</b>	EndorsePolicy				
<b>Method</b>		POST				
<b>Request parameters</b>	<b>Parameter</b>	<b>Data type</b>	<b>Remarks</b>			
	Data	String	This will be a Base64 encoded string. The steps for generating this will be as follows: <ul style="list-style-type: none"><li>➤ Create XML as per the below template.</li><li>➤ The “signature” / “sign” shared with you should be used as public key.</li><li>➤ Encrypt the XML using the public key assigned to you. Use Rijndael Encryption Algorithm with 256 Keybits for encrypting XML. The public key shared with you should be used as “key” for encrypting the XML.</li><li>➤ Encode the encrypted data into Base64 string</li></ul>			
	Ref	String	This will be the reference id of the API caller. The Reference ID will be provided by Asego Group. This has to be used as an Initialization Vector for the Encryption / Decryption.			
	<p><b>Example:</b></p> <p>Data=YTM0NZomlzl2OTsmlzMONTueYQ==&amp;Ref=c976b23c-646e-4765- 9357-38a28f7bac42</p> <p>XML structure as follows:</p> <pre>&lt;policy&gt; &lt;identity&gt; &lt;sign&gt;String&lt;/sign&gt; &lt;branchsign&gt;String&lt;/branchsign&gt; &lt;username&gt;String&lt;/username&gt; &lt;policynumber&gt;String&lt;/policynumber&gt; &lt;/identity&gt; &lt;/policy&gt;</pre>					
	<b>Element</b>	<b>DataType</b>	<b>Size</b>	<b>Required</b>	<b>Remark</b>	
	Sign	String	100	Yes	Agent Signature	
	BranchSign	String	100	Yes	Branch Signature	

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	UserName	String	100	Yes	User Name of the Agent Employee
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	PolicyNumber	String	100	Yes	Policy number that has to be endorsed

<p><b>Response</b></p>	<p>XML structure as follows:</p> <pre> &lt;?xml version="1.0" encoding="utf-8" ?&gt; &lt;data&gt; &lt;status&gt;String&lt;/status&gt; &lt;polycynumber&gt;String&lt;/polycynumber&gt; &lt;reference&gt;String&lt;/reference&gt; &lt;errorcode&gt;String&lt;/errorcode&gt; &lt;message&gt;String&lt;/message&gt; &lt;key&gt;String&lt;/key&gt; &lt;policy&gt; &lt;plan&gt; &lt;categorycode&gt;String&lt;/categorycode&gt; &lt;plancode&gt;String&lt;/plancode&gt; &lt;riders&gt; &lt;ridercode&gt;String&lt;/ridercode&gt; &lt;ridercode&gt;String&lt;/ridercode&gt; &lt;ridercode&gt;String&lt;/ridercode&gt; &lt;/riders&gt; &lt;restricted&gt;Boolean&lt;/restricted&gt; &lt;/plan&gt; &lt;traveldetails&gt; &lt;departuredate&gt;Date&lt;/departuredate&gt; &lt;days&gt;Numeric(18,0)&lt;/days&gt; &lt;arrivaldate&gt;Date&lt;/arrivaldate&gt; &lt;/traveldetails&gt; &lt;insured&gt; &lt;passport&gt;String&lt;/passport&gt; &lt;contactdetails&gt; &lt;address1&gt;String&lt;/address1&gt; &lt;address2&gt;String&lt;/address2&gt; &lt;city&gt;String&lt;/city&gt; &lt;district&gt;String&lt;/district&gt; &lt;state&gt;String&lt;/state&gt; &lt;pincode&gt;String&lt;/pincode&gt; &lt;country&gt;String&lt;/country&gt; &lt;phoneno&gt;String&lt;/phoneno&gt; &lt;mobilenno&gt;String&lt;/mobilenno&gt; &lt;emailaddress&gt;String&lt;/emailaddress&gt; &lt;/contactdetails&gt; &lt;name&gt;String&lt;/name&gt; &lt;dateofbirth&gt;Date&lt;/dateofbirth&gt; &lt;age&gt;Numeric(18,0)&lt;/age&gt; &lt;trawelltagnumber&gt;Numeric(18,0)&lt;/trawelltagnumber&gt; &lt;nominee&gt;String&lt;/nominee&gt; &lt;relation&gt;String&lt;/relation&gt; &lt;pastillness&gt;String&lt;/pastillness&gt; &lt;passengerreference&gt;varchar(300)&lt;/passengerreference&gt; &lt;/insured&gt; &lt;otherdetails&gt; &lt;policycomment&gt;String&lt;/policycomment&gt; &lt;universityname&gt;String&lt;/universityname&gt; &lt;universityaddress&gt;String&lt;/universityaddress&gt; &lt;/otherdetails&gt; &lt;/policy&gt; &lt;/data&gt; </pre> <p>Where:</p>
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Parameter	Data type	Remarks
<i>Status</i>	String	<p>This could be any of the following value:</p> <ul style="list-style-type: none"> <li>• <i>Ok</i></li> <li>• <i>Error</i></li> <li>• <i>Retry</i></li> </ul> <p>If the status is “Ok” then the policy is generated and the policy number is assigned in the “Policy” element. The document element will contain the Policy PDF document file URL.</p> <p>If the status is “Error” then the policy could not be generated and the reason will be in the “Message” element and the error code will be in the “ErrorCode” element.</p> <p>If the status is “retry” then the policy is not generated and the request can be re-sent for policy creation.</p>
<i>PolicyNumber</i>	String	Policy Number
<i>Reference</i>	String	This is the “Your Reference No” which is sent within the XML in the request.
<i>ErrorCode</i>	String	Error Code
<i>Message</i>	String	In case of error, the user friendly message will be sent here
<i>Key</i>	String	This will be Key which have to be sent alongwith the next call i.e. when calling the EndorsementRequest API call.
<i>CategoryCode</i>	String	Insurance Category
<i>PlanCode</i>	String	Policy Plan Code
<i>RiderCode</i>	String	Rider Code
<i>Restricted</i>	Boolean	Restricted Coverage
<i>DepartureDate</i>	Datetime	Departure Date
<i>Days</i>	Numeric	No of Travel Days
<i>ArrivalDate</i>	Datetime	Arrival Date
<i>PassportNumber</i>	String	Passport Number
<i>Address1</i>	String	Address Line 1
<i>Address2</i>	String	Address Line 2
<i>City</i>	String	City
<i>District</i>	String	District
<i>State</i>	String	State
<i>PinCode</i>	String	Pin Code

Country	String	Country
PhoneNo	String	Phone No
MobileNo	String	Mobile No
EmailAddress	String	Insured Email Address
Name	String	Insured Name
DateofBirth	Datetime	Insured Date of Birth
Age	Numeric	Insured Age
TrawlITagNumber	Numeric	Trawl Tag Number
Nominee	String	Nominee Name
Relation	String	Nominee Relation
passengerreference	varchar	Passenger Reference
PastIllness	String	Past Illness
PolicyComment	String	Policy Comment
UniverstiryName	String	University Name
UniversityAddress	String	University Address



## 2.3. EndorsePolicyDetails

<b>Description</b>	This call will be made to start the endorsement. The call to this API call will return the policy details.		
<b>URL</b>	https://travel.asego.in/API/v2/EndorsePolicyDetails.aspx		
<b>WebService</b>	<b>URL</b>	https://travel.asego.in/API/v2/AgentAPIV2.asmx?WSDL	
	<b>Web Method</b>	EndorsePolicyDetails	
<b>Method</b>	POST		
<b>Request parameters</b>	<b>Parameter</b>	<b>Data type</b>	<b>Remarks</b>
	<i>Data</i>	String	This will be a Base64 encoded string. The steps for generating this will be as follows: <ul style="list-style-type: none"><li>➤ Create XML as per the below template.</li><li>➤ The “signature” / “sign” shared with you should be used as public key.</li><li>➤ Encrypt the XML using the public key assigned to you. Use Rijndael Encryption Algorithm with 256 Keybits for encrypting XML. The public key shared with you should be used as “key” for encrypting the XML.</li><li>➤ Encode the encrypted data into Base64 string</li></ul>
	<i>Ref</i>	String	This will be the reference id of the API caller. The Reference ID will be provided by Asego Group. This has to be used as an Initialization Vector for the Encryption / Decryption.
<b>Example:</b> Data=YTM0NZomIzI2OTsmIzM0NTueYQ==&Ref=c976b23c-646e-4765-9357-38a28f7bac42  XML structure as follows:  <?xml version="1.0" encoding="utf-8"?> <policy> <identity> <sign>String</sign> <branchsign>String</branchsign> <username>String</username> <reference>String</reference> <key>String</key> <policynumber>String</policynumber> </identity> <plan> <categorycode>String</categorycode> <plancode>String</plancode> <riders> <ridercode percent="Numeric(18,2)">String</ridercode>			

	<code>&lt;ridecode percent="Numeric(18,2)"&gt;String&lt;/ridecode&gt;</code>
--	--

```

<ridercodepercent="Numeric(18,2)">String</ridercode>
</riders>
<restricted>Boolean</restricted>
</plan>
<traveldetails>
<departuredate>Date</departuredate>
<days>Numeric(18,0)</days>
<arrivaldate>Date</arrivaldate>
</traveldetails>
<insured>
<passport>String</passport>
<contactdetails>
<address1>String</address1>
<address2>String</address2>
<city>String</city>
<district>String</district>
<state>String</state>
<pincode>String</pincode>
<country>String</country>
<phoneno>String</phoneno>
<mobilenno>String</mobilenno>
<emailaddress>String</emailaddress>
</contactdetails>
<name>String</name>
<dateofbirth>Date(dd-mmm-yyyy)</dateofbirth>
<age>Numeric(18,0)</age>
<trawelltagnumber>Numeric(18,0)</trawelltagnumber>
<nominee>String</nominee>
<relation>String</relation>
<pastillness>String</pastillness>
<passengerreference>varchar</passengerreference>
</insured>
<otherdetails>
<policycomment>String</policycomment>
<universityname>String</universityname>
<universityaddress>String</universityaddress>
<documents>
<documentcode>Numeric(18,0)</documentcode>
<documentcode>Numeric(18,0)</documentcode>
<documentcode>Numeric(18,0)</documentcode>
</documents>
</otherdetails>
</policy>

```

Element	Data Type	Size	Required	Remark
Sign	String	100	Yes	Agent Signature
BranchSign	String	100	Yes	Branch Signature
UserName	String	100	Yes	User Name of the Agent Employee
Reference	String	100	Yes	Your reference no.
Key	String	100	Yes	Key that was sent in the response XML for the EndorsePolicy API call
PolicyNumber	String	100	Yes	Policy Number

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PassportNumber	String	20	No	Passport Number
CategoryCode	String	50	Yes	Insurance Category
PlanCode	String	50	Yes	Policy Plan Code
DepartureDate	Datetime		Yes	Departure Date
Days	Numeric		Yes	No of Travel Days
ArrivalDate	Datetime		Yes	Arrival Date
Address1	String	500	Yes	Address Line 1
Address2	String	500	No	Address Line 2
City	String	50	Yes	City
District	String	50	Yes	District
State	String	50	Yes	State
PinCode	String	10	Yes	Pin Code
Country	String	100	Yes	Country
PhoneNo	String	50	No	Phone No
MobileNo	String	50	Yes	Mobile No
PolicyComment	String	1000	No	Policy Comment
UniversityAddress	String	1000	No	University Address
Name	String	50	Yes	Insured Name
DateofBirth	Datetime		Yes	Insured Date of Birth
Age	Numeric		Yes	Insured Age
TrawellTagNumber	Numeric		No	Trawell Tag Number
Nominee	String	50	Yes	Nominee Name
Relation	String	50	Yes	Nominee Relation
PastIllness	String	1000	No	Past Illness
passengerreference	varchar	300	No	Passenger Reference
EmailAddress	String	50	Yes	Insured Email Address
Restricted	Boolean		Yes	Restricted coverage for the policy ?
RiderCode	String	50	No	Rider Code
DocumentCode	Numeric		No	Document Code

<b>Response</b>	XML structure as follows:		
	<pre> &lt;data&gt; &lt;status&gt;String&lt;/status&gt; &lt;policy&gt;String&lt;/policy&gt; &lt;document&gt;String&lt;/document&gt; &lt;reference&gt;String&lt;/reference&gt; &lt;requestnumber&gt;String&lt;/requestnumber&gt; &lt;errorcode&gt;String&lt;/errorcode&gt; &lt;message&gt;String&lt;/message&gt; &lt;/data&gt; </pre>		
	Where:		
	<b>Parameter</b>	<b>Data type</b>	<b>Remarks</b>
	<i>Status</i>	String	<p>This could be any of the following value:</p> <ul style="list-style-type: none"> <li>• <i>Ok</i></li> <li>• <i>Error</i></li> <li>• <i>Retry</i></li> </ul> <p>If the status is “Ok” then the policy is generated and the policy number is assigned in the “Policy” element. The document element will contain the Policy PDF document file URL.</p> <p>If the status is “Error” then the policy could not be generated and the reason will be in the “Message” element and the error code will be in the “ErrorCode” element.</p> <p>If the status is “retry” then the policy is not generated and the request can be re-sent for policy creation.</p>
	<i>Policy</i>	String	Policy Number
	<i>Document</i>	String	This will be URL to the Policy PDF document that is generated on the server.
	<i>RequestNumber</i>	String	In case the endorsement is not auto approved i.e. it needs approval by the underwriter, a request number will be returned. This is the Endorsement Request Number and an email will be sent to the authorised email id when the endorsement is approved / rejected.
	<i>Reference</i>	String	This is the “Your Reference No” which is sent within the XML in the request.
	<i>ClaimCode</i>	String	This is the claim code number.
	<i>ErrorCode</i>	String	Error Code
	<i>Message</i>	String	In case of error, the user friendly message will be sent here

## **Annexure # 1**

*Following data structures shall be sent as part of the test credentials:*

- ***API Caller Identification***
- ***API Caller Branches***
- ***API Caller Users***
- ***Category***
- ***Plans***
- ***Premium Chart***
- ***Plan Riders***