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XLINK RESOURCE GUIDE

SAVED ORDERS

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Saved Orders

Saved orders are orders that can be stored in the Covad system for processing or completing later. Saved orders are also known as partial orders. This is analogous to a quote that can be changed to an open order, retrieved or removed whenever required. The *venderordernumber* of a saved order stays with the order throughout the order's lifecycle.

Save action is supported for service install orders only. An order that has migrated from one ISP to another cannot be saved. To create a saved order *orderentryrequest* should be used. To remove a previously saved order, *savedorderremovalrequest* should be used. To view a previously saved order, *savedorderretrievalrequest* can be used.

The *subrequest* element to create a saved order is as follows;

```
<subrequest type="orderentry" id="0">
  <!-- (subrequest+ , vendorspecificrequest? )-->
  <orderentryrequest action="save">
    <orderentryinformation>
      <otherelems/>
      :
    </orderentryinformation>
  </orderentryrequest>
</subrequest>
```

A *subrequest* element with the *orderentryrequest* element should pass **save** as the action type.

ORDERENTRYINFORMATION ELEMENT

The *orderentryinformation* interface can be used to submit, save or test new orders sent to Covad. The *orderentryrequest* is the main element that characterizes this request. *orderentryinformation* is the main element within *orderentryrequest* .

The attributes of *orderentryinformation* are

id: A previously saved order can be submitted by using the *vendorcircuitnumber* of the saved order as the *id*.

```
<!ATTLIST orderentryinformation
  id CDATA #IMPLIED
  covadcircuitnumber CDATA #IMPLIED>
```

The *orderentryinformation* element has the following elements. The *asterisk* denotes the elements that are mandatory to create a saved order.

serviceaddress*

The service address of the end-user should be specified in this element. It represents the address to which service will be provided. It is very important that this element be populated accurately.

clientbusinessname

The end-user's business name should be entered in this field.

billingcode

The billing/department code for the order should be entered here. If not applicable, you may leave this field blank.

clientcontactinformation*

Provide the contact address and phone number of the end-user should be provided within this element. This field is mandatory, even if the contact information is the same as the service address, it must be reentered.

service*

Enter the *id* corresponding to the service you wish to order for the end-user. The list of *id*'s can be obtained from the *serviceid* enumeration. You can use the pre qualification module to acquire the list of *serviceid*'s available to the end-user for his service address. This field is mandatory and should be entered accurately.

customercircuit

Enter the *id* corresponding to the circuit you wish to use for the order. The list of circuit *id*'s can be obtained by using the *backhaullookup* module or by calling the support manager at Covad. If you choose any of the local services (non-Remote services), then the circuit chosen must be in the same region as the service address of the end-user. However, if you choose a remote service, you may choose a circuit in a region other than the one corresponding to the service address of the end-user.

Please note that these rules should be strictly adhered to. Not complying with the above rules may result in the order being rejected by Covad.

cpe*

The *cpe* element specifies the type of hardware that is to be installed at the end-user's premises. The *Cpe* element has the following additional attributes.

Id

This represents the numerical *id* of the *cpe*. Possible values are listed in *cpemodelid-eum.pen*. Depending on the service chosen, the *cpe* must be chosen accordingly, i.e. for each service only a limited set of *cpe*'s are allowed. Please look under *cpe-modelid* in Appendix A for a complete list of possible *cpe id*'s and the corresponding hardware. Care should be taken to ensure that the hardware compatibility is properly accounted for while choosing the *cpe id*.

Cpeprovider

Though this attribute is mandatory, the default (1) is Covad as the *cpe* provider. Use a value of 2 if the Customer (ISP) is providing the *cpe*.

Cpeconfigurer

This attribute is similar to *cpeprovider*, but represents who will be configuring the *cpe*

clientsitedetails

This field should specify all known data about the client's site. If an element is unknown, a blank element with no spaces in between tags should be entered.

Networkconfiguration*

The *networkconfiguration* element is mandatory. It contains the mandatory attribute *type*, which is used to specify the network configuration option. This value should represent a numerical value to indicate if the network configuration will be IP routing, IP routing with NAT, or bridging. If the network configuration is bridging, it is not necessary to fill out the remaining network configuration.

Assignedpvc

This element is optional and should be omitted. It is mainly used for outbound order status responses.

requestedpvc

This element is optional and is used to enter a value for the PVC that is preferred. This is a numeric representation (maximum of 7 digits) of the PVC and its format depends on the type of customer circuit backhaul. The format is defined as follows:

a) For a Frame Relay circuit, a DLCI is required. A legal value for a DLCI is in the range [17,991]. You may find that a valid DLCI is unavailable (that is, already allocated) in which case you will need to enter another identifier, or leave it blank, to submit the order successfully.

b) For an ATM circuit, a VPI.VCI is required. A legal of VPI value is an integer in the range [0,31], while a legal VCI value is in the range [32,2047]. You may find that a legal value of VPI.VCI may be unavailable (that is, already allocated) in which case you will need to enter another value, or leave it blank, to submit the order successfully.

preferredpvc

This element is deprecated and should not be used. The *preferredpvc* should be used in its place.

Cpe

This element is optional and should be omitted.

wanconfiguration

This field is mandatory. All the *subelements* must be entered if the type of network configuration is either 'routing' or 'routing with NAT'. For 'bridging' this field may be left blank.

lanconfiguration

This field is mandatory. All the *subelements* must be entered if the type of network configuration is either 'routing' or 'routing with NAT'. For 'bridging' this field may be left blank.

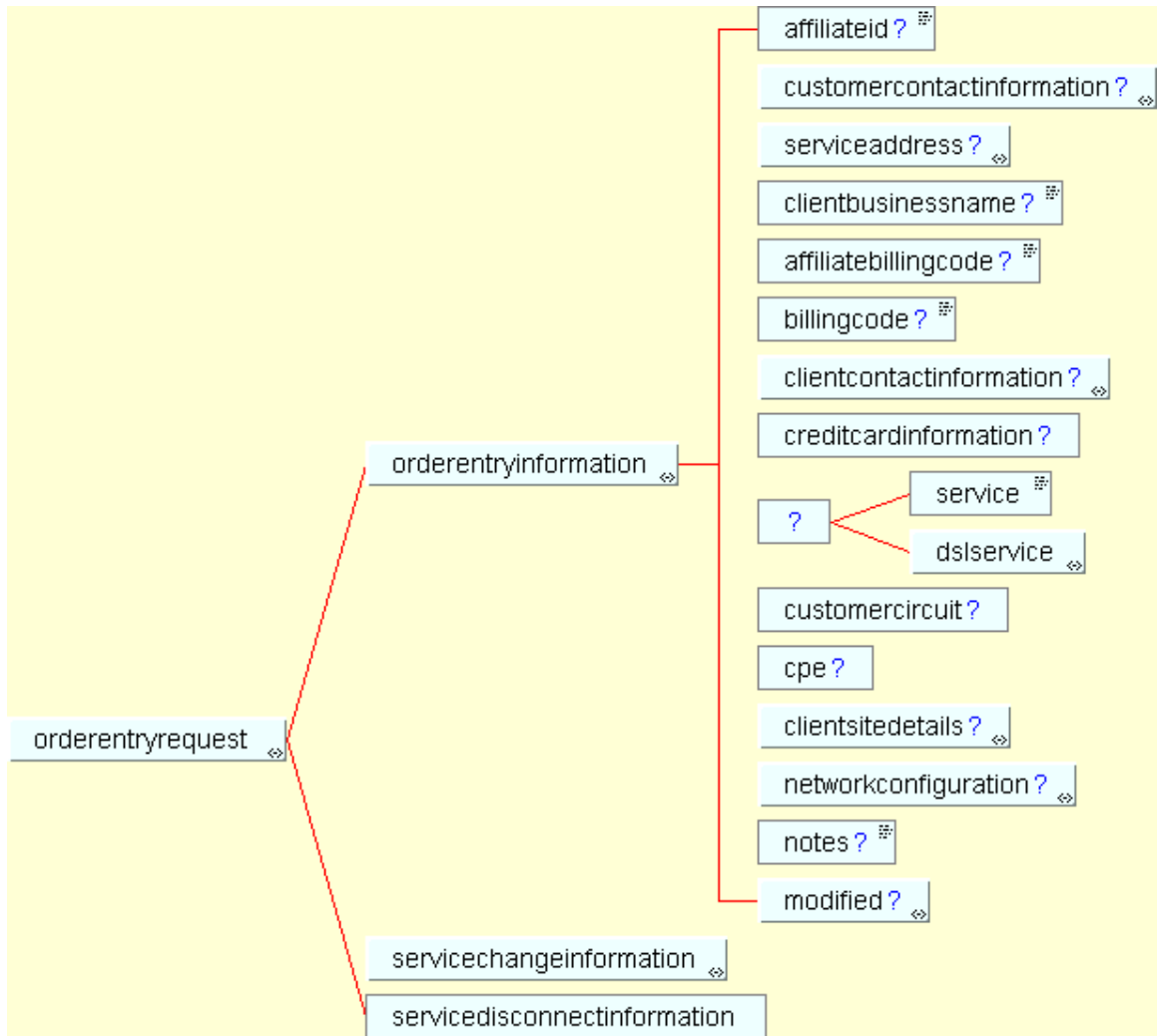
dhcpinformation

This field is optional. The usedhcp attribute can accept 'yes' or 'no' values. The default value is 'yes'.

notes

This field may be left blank, but should be included for easier processing. This is a placeholder for additional notes, instructions, etc. to Covad for proper order processing

The figure below displays the request structure for saved orders.



ORDERENTRYRESPONSE DOCUMENT

The *orderentryresponse* element is the main element returned in response to the save order request post. The transaction code for a successful post is 2000. The *orderentryresponse* element contains the *vendorordernumber*, which can be used later to submit the saved order. The *vendorordernumber* for a saved order stays with the order throughout the order lifecycle.

Errors are marked in the header and in the body depending on the severity.

SAVEDORDERRETRIEVALREQUEST DOCUMENT

The ***savedorderretrievalrequest*** request xml should be used to retrieve the information of a saved order or all saved orders (partial orders).

Savedorderretrievalrequest is an empty element with the following attributes

id : if a *vendorordernumber* is passed, the details for that saved order are returned. Omitting the *id* can retrieve the details of all saved orders.

affiliateid: if the *affiliateid* is "" then only direct orders are returned. However if *affiliateid* is omitted then both direct and affiliate orders are returned

details: The user has a choice of requesting either full or basic details.

```
<!ELEMENT savedorderretrievalrequest EMPTY>
<!ATTLIST savedorderretrievalrequest
  affiliateid CDATA #IMPLIED
  id CDATA #IMPLIED
  details (basic|full) 'full'
```

SAVEDORDERRETRIEVALRESPONSE DOCUMENT

The transaction code for a successful *savedorderretrievalresponse* document is 8000. The ***savedorderretrievalresponse*** element contains order entry information of a saved order. Based on the information requested, the response document may contain one or more *savedorderretrievalresponse* elements. When *details* is set to 'full', all sub elements in the *orderentryinformation* element will be returned. If the *details* is set to 'basic' the following sub elements of *orderentryinformation* are returned 1) *serviceaddress* 2) *clientcontactinformation* 3) *service* 4) *modified*. For details on the sub elements of the *orderentryinformation* element, please refer to *orderentryrequest* element in this document.

SAVEDORDERREMOVALREQUEST DOCUMENT

The ***savedorderremovalrequest*** request xml should be used to remove a saved order. The *vendorordernumber* of the saved order to be removed should be passed as the *id*.

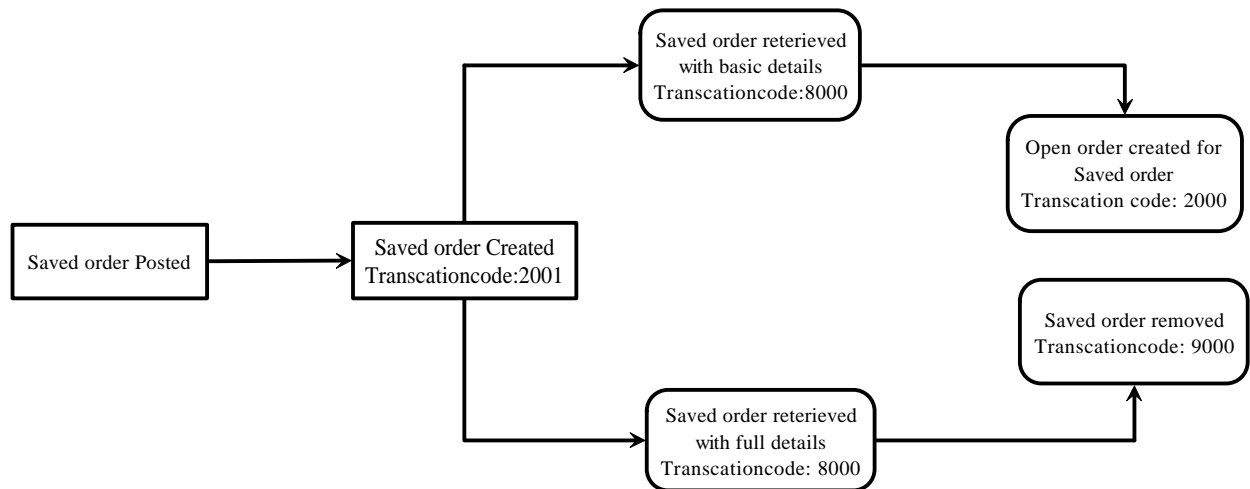
```
<!ELEMENT savedorderremovalrequest EMPTY>
<!ATTLIST savedorderremovalrequest
  id CDATA #REQUIRED>
```

SAVEDORDERREMOVALRESPONSE DOCUMENT

The ***savedorderremovalresponse*** document is a confirmation of the saved order that was requested for removal from the COVAD system. The transaction code for a successful post is 9000.

SAMPLE CASE:

To illustrate the flow of a saved order process, a sample case scenario has been provided where a sample saved order entry request is posted. The order was saved successfully with a *transactioncode id* = 2001 and *vendorordernumber* = 305254. The full details for the saved order 305254 are retrieved using a *savorderreterival*. The saved order is then submitted successfully to xlink and a *covadcircuitnumber* 100-342-258 for 305237 is returned.



Sample files

Request

1. <http://xlink.covad.com/samples/request-so.xml>
2. <http://xlink.covad.com/samples/request-oe.xml>
3. <http://xlink.covad.com/samples/request-so-ret.xml>

Response

4. <http://xlink.covad.com/samples/response-so.xml>
5. <http://xlink.covad.com/samples/response-oe.xml>
6. <http://xlink.covad.com/samples/response-so-ret.xml>