

THE VACATION BRIDGE CORPORATION

Description

Specifications of The Vacation Bridge Corporation (TVB) Portal Switch Web Services

History

Version	Description	Author	Date
1.0	Initial version	Trevor Denning	06/19/2012
1.1	Update	Trevor Denning	08/20/2012
1.2	Update	Trevor Denning	5/10/2013

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1. Introduction

This document provides a reference for developers that take part in web services provided by Vacation Bridge Corp. The guide will give examples on how to allow programmatic access to property data through the Vacation Bridge Portal Switch. Each web service method is described in detail with programming examples. All programming examples are in C#.

2. Web Service Access

The Vacation Bridge web services are programmed using the .NET platform, but designed with interoperability with other web service tools.

Visual Studio programmers may add a Web Reference to their project directly using the URL provided. Production web service data link is available at the following:

<http://www.thevacationbridge.com/PortalSwitch/switch.asmx>.

3. Security

During the integration process TVB will allow access to the portal's data. Once the integration is complete TVB will acquire the IP of the server connected to the web service. Access will be regulated by TVB to the server or series of server IP's connecting to the web service.

4. Web Service Methods

All data methods are returned in a Dataset.

4.1 Searching and Search Results

4.1.1 getPortalClients

The getPortalClients method is used to return all of the clients used by the portal.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.

Returns Dataset table name: getPortalClients

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalClients("PortalABC");

foreach (DataRow dr in ds.Tables["getPortalClients"].Rows)
{...
```

Results	Type	Validation Rules
client_id	Integer	Identifier of the client in the TVB System.
client_name	String	Name of the client in the TVB system.

4.1.2 getAmenitiesByPortal

The getAmenitiesByPortal method is used to return all of the amenities used by the portal's properties.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.

Returns Dataset table name: getAmenitiesByPortal

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getAmenitiesByPortal("PortalABC");

foreach (DataRow dr in ds.Tables["getAmenitiesByPortal"].Rows)
{...
```

Results	Type	Validation Rules
amenity_id	Integer	Identifier of the amenity in the TVB System.

name	String	Name of the amenity in the TVB system.
-------------	--------	--

4.1.3 getLocationsByPortal

The getLocationsByPortal method is used to return all of the locations used by the portal's properties.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.

Returns Dataset table name: getLocationsByPortal

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getLocationsByPortal("PortalABC");

foreach (DataRow dr in ds.Tables["getLocationsByPortal"].Rows)
{...
```

Results	Type	Validation Rules
location_name	String	Name of the location in TVB.

4.1.4 getPortalPropertiesByClient

The getPortalPropertiesByClient method allows access to a specified client's property information from the portal switch.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.
client_id	Integer	Identifier of the Client which can be obtained in the getPortalClients method .

Returns Dataset table name: getPortalPropertiesByClient

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalPropertiesByClient("PortalABC", 123);

foreach (DataRow dr in ds.Tables["getPortalPropertiesByClient"].Rows)
{...
```

Results	Type	Validation Rules
p_id	Integer	Identifier of the property in TVB.

prop_id	Integer	Identifier of the property in TVB.
client_database	String	Client DB Name
name	String	Name of the property
location_name	String	Properties Location
property_type	String	The type of property being rented
long_desc	String	Description of the property
short_desc	String	Short Description of the property (255 characters)
smoking	Boolean	Property Allows Smoking
pets	Boolean	Property Allows Pets
handicap	Boolean	Handicap Accessible
bedrooms	Integer	Number of Bedrooms
baths	Integer	Number of Bathrooms
sleeps	Integer	Number of people allowed
address	String	Address of the property (255 characters)
state	String	State of the property (255 characters)
city	String	City of the property (255 characters)
zip	String	Zip of the property (255 characters)
country	String	Country of the property (255 characters)
unit	String	Properties Unit (255 characters)
square_feet	Integer	Square footage of the property
checkIn_time	String	Reservation Check In Time (50 characters)
checkOut_time	String	Reservation Check Out Time (50 characters)
minimum_stay	Integer	Minimum Number of days a guest can stay at the property
policy_description	String	Description of the rental terms and agreement.
security_deposit	Double	Properties Security Deposit
max_price	Double	Properties Max Price (can be NULL)
min_price	Double	Properties Min Price (can be NULL)
property_url	String	URL to the property page so the property can be booked (can be NULL)

4.1.5 getPortalPropertiesByPortal

The getPortalPropertiesByPortal method allows access to property information from the portal switch assigned to the portal.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.

Returns DataSet table name: getPortalPropertiesByPortal

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalPropertiesByPortal("PortalABC");

foreach (DataRow dr in ds.Tables["getPortalPropertiesByPortal"].Rows)
{...
```

Results	Type	Validation Rules
p_id	Integer	Identifier of the property in TVB.
pc_id	Integer	Identifier of the portal client in TVB.
prop_id	Integer	Identifier of the property in the client's db.
client_database	String	Client DB Name
prop_manager_id	String	Identifier of the Client in the Portal System.
encrypted_prop_manager_id	String	Encrypted identifier of the Client in the Portal System.
update_rates	Boolean	TVB Use Only
use_optional_rates	Boolean	TVB Use Only
name	String	Name of the property
location_name	String	Properties Location
property_type	String	The type of property being rented
long_desc	String	Description of the property
short_desc	String	Short Description of the property (255 characters)
smoking	Boolean	Property Allows Smoking
pets	Boolean	Property Allows Pets
handicap	Boolean	Handicap Accessible
bedrooms	Integer	Number of Bedrooms
baths	Integer	Number of Bathrooms
sleeps	Integer	Number of people allowed
address	String	Address of the property (255 characters)
state	String	State of the property (255 characters)
city	String	City of the property (255 characters)
zip	String	Zip of the property (255 characters)
country	String	Country of the property (255 characters)
unit	String	Properties Unit (255 characters)
map_flag	Boolean	TVB Use Only
square_feet	Integer	Square footage of the property
checkIn_time	String	Reservation Check In Time (50 characters)
checkOut_time	String	Reservation Check Out Time (50 characters)
minimum_stay	Integer	Minimum Number of days a guest can stay at the property
policy_description	String	Description of the rental terms and agreement.
security_deposit	Double	Properties Security Deposit
max_price	Double	Properties Max Price (can be NULL)
min_price	Double	Properties Min Price (can be NULL)
property_url	String	URL to the property page so the property can be booked (can be NULL)
weekday_price	String	TVB Use Only
weekend_price	String	TVB Use Only
weekly_price	String	TVB Use Only

4.1.6 getPortalProperty

Results	Type	Validation Rules
p_id	Integer	Identifier of the property in the TVB System.
prop_id	Integer	Identifier of the property in the clients db.
name	String	Name of the property
location_name	String	Properties Location
property_type	String	The type of property being rented

long_desc	String	Description of the property
short_desc	String	Short Description of the property (255 characters)
smoking	Boolean	Property Allows Smoking
pets	Boolean	Property Allows Pets
handicap	Boolean	Handicap Accessible
bedrooms	Integer	Number of Bedrooms
baths	Integer	Number of Bathrooms
sleeps	Integer	Number of people allowed
address	String	Address of the property (255 characters)
state	String	State of the property (255 characters)
city	String	City of the property (255 characters)
zip	String	Zip of the property (255 characters)
country	String	Country of the property (255 characters)
unit	String	Properties Unit (255 characters)
map_flag	Boolean	TVB Use Only
square_feet	Integer	Square footage of the property
checkIn_time	String	Reservation Check In Time (50 characters)
checkOut_time	String	Reservation Check Out Time (50 characters)
minimum_stay	Integer	Minimum Number of days a guest can stay at the property
policy_description	String	Description of the rental terms and agreement.
security_deposit	Double	Properties Security Deposit
max_price	Double	Properties Max Price (can be NULL)
min_price	Double	Properties Min Price (can be NULL)
property_url	String	URL to the property page so the property can be booked (can be NULL)

4.1.7 getPortalPropertyAmenities

The getPortalPropertyAmenities method allows access to the particular property's amenities from the portal switch.

Parameter	Type	Validation Rules
p_id	Integer	Identifier of the property.
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.

Returns DataSet table name: getPortalPropertyAmenities

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalPropertyAmenities(1, "PortalABC");

foreach (DataRow dr in ds.Tables["getPortalPropertyAmenities"].Rows)
{...
```

Results	Type	Validation Rules
amenity_id	Integer	Identifier of the amenity in the TVB System.

name	String	Name of the amenity.
-------------	--------	----------------------

4.1.8 getPortalPropertyCalendar

The getPortalPropertyCalendar method allows access to the specific property's calendar information from the portal switch.

Parameter	Type	Validation Rules
p_id	Integer	Identifier of the property.
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.

Returns DataSet table name: getPortalPropertyCalendar

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalPropertyCalendar(1, "PortalABC");

foreach (DataRow dr in ds.Tables["getPortalPropertyCalendar"].Rows)
{...
```

Results	Type	Validation Rules
cal_date	DateTime	Calendar Date.
cal_type	Integer	Required. Valid values are: 0 = Blocked (the property client has made the date range unavailable). 1 = Available deprecated; do not use. 2 = Booked (the property has been reserved)

4.1.9 getportalPropertyCalendarMonthly

The getPortalPropertyCalendarMonthly method allows access to the specific property's calendar information from the portal switch.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.
p_id	Integer	Identifier of the property.
month	Integer	Two digit month.
year	Integer	Four digit year.

Returns DataSet table name: getPortalPropertyCalendarMonthly

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalPropertyCalendarMonthly("PortalABC", 1, 01, 2013);
```



```
foreach (DataRow dr in ds.Tables["getPortalPropertyCalendarMonthly"].Rows)
{...
```

Results	Type	Validation Rules
date	DateTime	Calendar Date.
cal_type	Integer	Required. Valid values are: 0 = Blocked (the property client has made the date range unavailable). 1 = Available deprecated; do not use. 2 = Booked (the property has been reserved)
css	String	Returns 'booked' or 'Available'

4.1.10 getPortalPropertyPic

The getPortalPropertyPic method allows access to the specific property picture from the portal switch.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.
extPicId	Integer	External Identifier or the picture.
client_id	Integer	Identifier of the client. Assigned by TVB.

Returns DataSet table name: getPortalPropertyPics

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalPropertyPic( "PortalABC", 1, 123);

foreach (DataRow dr in ds.Tables["getPortalPropertyPic"].Rows)
{
    byte[] pic = (byte[])dr["content_pic"];
    ...
}
```

Results	Type	Validation Rules
content_pic	Byte[]	Byte Array of the photograph data file.
content_type	String	Mime Type of the data file.
content_length	Long	Length of the data file. Typically not needed.
label	String	Title for the photo
order_num	Integer	Order in which the photo should display

4.1.11 getPortalPropertyPics

The getPortalPropertyPics method allows access to the specific property's pictures from the portal switch.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.
p_id	Integer	Identifier of the property.

Returns DataSet table name: getPortalPropertyPics

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalPropertyPics(1, "PortalABC");

foreach (DataRow dr in ds.Tables["getPortalPropertyPics"].Rows)
{
    byte[] pic = (byte[])dr["content_pic"];
    ...
}
```

Results	Type	Validation Rules
p_id	Integer	Identifier of the property.
client_id	Integer	Identifier of the client. Assigned by TVB.
ext_picture_id	Integer	Identifier in the TVB System.
content_pic	Byte[]	Byte Array of the photograph data file.
content_type	String	Mime Type of the data file.
content_length	Long	Length of the data file. Typically not needed.
label	String	Title for the photo
order_num	Integer	Order in which the photo should display

4.1.12 getPortalPropertySeasons

The getPortalPropertySeasons method allows access to the specific property's season information from the portal switch.

Parameter	Type	Validation Rules
p_id	Integer	Identifier of the property.
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.

Returns DataSet table name: getPortalPropertySeasons

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPortalPropertySeasons(1, "PortalABC");

foreach (DataRow dr in ds.Tables["getPortalPropertySeasons"].Rows)
{
    ...
}
```

Results	Type	Validation Rules
name	String	Name of the Season.
description	String	Season Description. Typically same as name.

date_start	DateTime	Season Start Date
date_end	DateTime	Season End Date.
nightly	Money	Rent for a one night reservation.
weekend	Money	Rent for a weekend reservation.
three_night	Money	Rent for a three night reservation.
four_night	Money	Rent for a four night reservation.
five_night	Money	Rent for a five night reservation.
six_night	Money	Rent for a six night reservation.
weekly	Money	Rent for a weekly reservation.
monthly	Money	Rent for a monthly reservation.
season	Money	Rent for a season reservation.
min_stay	Integer	Minimum number of days the property can be rented in this season.
start_day	Integer	Day the reservation should start. -1 = Reservation can start on any day. 1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday
enforce_weekly	Boolean	If true a guest will be restricted to book in 7 day increments.

4.1.13 getPropertyTypesByPortal

The getPropertyTypesByPortal method is used to return all of the property types used by the portal's properties.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.

Returns Dataset table name: getPropertyTypesByPortal

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getPropertyTypesByPortal("PortalABC");

foreach (DataRow dr in ds.Tables["getPropertyTypesByPortal"].Rows)
{...
```

Results	Type	Validation Rules
pt_id	Integer	Identifier of the property type in the TVB System.
name	String	Name of the property type in the TVB system.

4.1.14 getSearchableProperties

The getSearchableProperties method allows access to property information from the portal switch assigned to the portal.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.
date_start	String	Start Date Default ""
date_end	String	End Date Default ""
property_type	String	Property Type Default ""
location_name	String	Location Default ""
amenities	String	Amenities Default ""
bedrooms	String	Number of Bedrooms Default ""
baths	String	Number of Bathrooms Default ""
num_guests	String	Number of Guests Default ""
pets	String	Allows Pets Default ""
smoking	String	Allows Smoking Default ""
handicap	String	Handicap Accessible Default ""
exactList	String	Greater than or Exact Search Default "0"
city	String	property city Default ""
state	String	property state Default ""
calc_price	Boolean	calculate Default false - Not Applicable at this time
price	String	Minimum Price Default ""
priceEnd	String	Maximum Price Default ""

Returns DataSet table name: getSearchableProperties

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
DataSet ds = new DataSet();

ds = getProcedure.getSearchableProperties("PortalABC");

foreach (DataRow dr in ds.Tables["getSearchableProperties"].Rows)
{...
```

Results	Type	Validation Rules
p_id	Integer	Identifier of the property
name	String	Name of the property
location_name	String	Properties Location
price	Double	Not Applicable at this time
prop_id	Integer	External Identifier of the property in the client's db.
smoking	Boolean	Property Allows Smoking
pets	Boolean	Property Allows Pets
handicap	Boolean	Handicap Accessible
bedrooms	Integer	Number of Bedrooms
baths	Integer	Number of Bathrooms
sleeps	Integer	Number of people allowed
property_type	String	The type of property being rented
security_deposit	Double	Properties Security Deposit
short_desc	String	Short Description of the property (255 characters)
address	String	Address of the property (255 characters)
state	String	State of the property (255 characters)

city	String	City of the property (255 characters)
zip	String	Zip of the property (255 characters)

4.1.15 NewInquiry

The NewInquiry Method is to be called when a new inquiry is produced.

Parameter	Type	Validation Rules
portalname	String	Identifier of the Connecting Portal. Set internally by TVB during setup of the integration.
client_id	Integer	Identifier of the client. Assigned by TVB.
prop_id	Integer	Identifier of the property from the Property Manager
externalPropId	String	Unique External Property ID in the Portal
InquiryID	String	Unique Identifier of the Inquiry
RequestDate	DateTime	Date of the Inquiry
ArrivalDate	DateTime	Inquiries Arrival Date
DepartureDate	DateTime	Inquiries Departure Date
InquirerComments	String	Inquiry Comments/Body of the Email
InquirerEmail	String	Email of the Inquirer/Guest
InquirerName	String	Name of the Inquirer/Guest
InquirerPhone	String	Phone Number of the Inquirer/Guest
amount	String	Quoted Price if applicable Default 0
numberOfGuests	String	Number of Potential Guests

Returns Boolean: If true then the inquiry was saved on The Vacation Bridge

EXAMPLE:

```
TVBSwitch.Switch ps = new TVBSwitch.Switch();
```

```
bool inquirySaved = getProcedure.NewInquiry("PortalABC", 123, 1, "123456789", "1234567890", "01/04/2020",  
"01/11/2020", "", "address@xdomain.com", "John", "Doe", "9999999999", 0, 1);
```