Collections Interface

v3.0 Web Service

Specifications

Revision E



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Introduction

This document describes the Yardi Collections Interface Web Service v2.0. This web service utilizes XML in Yardi Transactional Standard and Yardi Vendor Standard. It reflects the interface functionality with Voyager versions 6.08.22 w/ plug-in 5 and later.

 Note: We recommend clients having the latest version of Voyager Interfaces plug-in.

This document is intended for developers from third-party to help explain the Web Service API and will assume the reader has a basic understanding of XML and some of its abilities, as well as .NET web services.

This document is part of a documentation package named Yardi Collections Interface v2.0.ZIP, which contains the following files:

- Collections Interface v2.0 Specifications.PDF this document
- Itf_MITS_Collections3.0.xsd the XML Schema Definition that describes and validates the data transmitted and received by the Collections web service.

Interface Overview

- This interface enables collection agencies to obtain tenant information from the Voyager database. The interface only transmits information about those tenants that the client has marked for collection.
- All web methods contained in this web service that read/write data from Voyager will require login credentials.



Web Service Names

The location (URL) of Yardi Web Services varies from client-to-client.

- It is the responsibility of the third-party using the Yardi Web Service to determine the correct web address (URL).
 - It is also the responsibility of the third-party to obtain the login information from the Yardi client.
- Typically, a client's Collection's Web Service URL can be determined/ located using the following address format:

https://Domain/voyager_webshare/WebServices/Collections.asmx

Yardi clients will authorize third-parties to use Yardi Voyager standard interfaces at their discretion. They should allow third parties access only to the Voyager Web Service, and not to the Voyager Login page.



Please reference the Interfaces chapter of the *Yardi Voyager Residential User's Guide* for requirements for accessing Yardi Voyager web services.

XML Schema Definitions

All report updates utilizing XML documents or representations of an XML Document will be recognized only if they are in the format defined by Itf_MITS_Collections3.0.xsd (included with this document).

Supported Operations

All web methods must take in the parameters needed for login (username, password, server name, database name, and database platform) in addition to any parameters that the specific function may require. These Web methods will not store a session on the Yardi Voyager server side. Therefore, a remote client will have to re-login to perform another function after calling one of these methods.



Get_CollectionsLeaseInfo

Definition

Allows the export of newly-delinquent lease charges and associated tenants from a Yardi Voyager database for the purpose of Collections. These records will be marked as 'Sent to Collections' and will not be sent again unless re-submitted or cleared.

Variables

UserName	Valid Voyager username required for access to the target Voyager database
Password	Password associated with Voyager username
ServerName	Name of server where target Voyager database resides
Database	Name of Voyager database residing on the server
Platform	SQL Server or Oracle
CollectionsAgency	Name of Collections Agency attempting to call the web service as agreed upon by Yardi and the Client.
YardiPropertyId	Unique property ID used to specify which property to export data
InterfaceEntity	Name of Third-party Vendor invoking the web service request
InterfaceLicense	Third-party Vendor License information for web service request



SOAP Request and Response

The following is a sample SOAP request and response. The variable placeholders, shown in **bold**, need to be replaced with actual values.

```
Request
POST /8223thirddev/Webservices/ItfCollections.asmx HTTP/1.1
Host: www.ivardiasp.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction:
"http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections/Get_CollectionsLeaseInfo"
<?xml version="1.0" encoding="utf-8"?>
<soap: Envelope xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance"</p>
xmlns: xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
 <soap: Bodv>
  <Get_CollectionsLeaseInfo
xmlns="http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections">
    <UserName>string</UserName>
   <Password>string</Password>
   <ServerName>string</ServerName>
   <Database>string</Database>
   <Platform>string</Platform>
    <CollectionsAgency>string</CollectionsAgency>
    <YardiPropertyId>string</YardiPropertyId>
    <InterfaceEntity>string</InterfaceEntity>
    <InterfaceLicense>string</InterfaceLicense>
  </Get_CollectionsLeaseInfo>
 </soap: Body>
```

Response

</soap: Envelope>

```
HTTP/1.1 200 OK

Content-Type: text/xml; charset=utf-8

Content-Length: length

<?xml version="1.0" encoding="utf-8"?>

<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">

<soap:Body>

<Get_CollectionsLeaseInfoResponse
xmlns="http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections">

<Get_CollectionsLeaseInfoResult>xml</Get_CollectionsLeaseInfoResult>

</Get_CollectionsLeaseInfoResponse>

</soap:Body>

</soap:Body>

</soap:Body>
```



GetPropertyConfigurations

Definition

Allows the export of a list of properties from the Yardi Voyager database that are associated with an agency for Collections.

Variables

UserName	Valid Voyager username required for access to the target Voyager database
Password	Password associated with Voyager username
ServerName	Name of server where target Voyager database resides
Database	Name of Voyager database residing on the server
Platform	SQL Server or Oracle
InterfaceEntity	Name of Third-party Vendor invoking the web service request
InterfaceLicense	Third-party Vendor License information for web service request

SOAP Request and Response

The following is a sample SOAP request and response. The variable placeholders, shown in **bold**, need to be replaced with actual values.

Request

POST /8223thirddev/Webservices/ItfCollections.asmx HTTP/1.1

Host: www.iyardiasp.com

Content-Type: text/xml; charset=utf-8

Content-Length: length

SOAPAction:

"http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections/GetPropertyConfigurations"

<?xml version="1.0" encoding="utf-8"?>

<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>

xmlns: xsd="http://www.w3.org/2001/XMLSchema"

xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">

<soap: Body>



Response

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<GetPropertyConfigurationsResponse
xmlns="http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections">
<GetPropertyConfigurationsResult>xml</GetPropertyConfigurationsResult>
</GetPropertyConfigurationsResponse>
</soap:Body>
</soap:Body>
</soap:Envelope>
```

Other Supported Operations

GetVersionNumber

Definition

Returns the current version of the Yardi core Interface module concatenated with the Plug-in version number of the Interface type (i.e. 16_0 for the initial release, going to 16_1 for the next plug-in release, etc.), in a string format.



This is the recommended operation, as all others of this type are being phased-out of use.

SOAP Request and Response

The following is a sample SOAP request and response. The variable placeholders, shown in **bold**, need to be replaced with actual values.



Request

Response

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<GetVersionNumberResponse
xmlns="http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections">
<GetVersionNumberResult>string</GetVersionNumberResult>
</GetVersionNumberResponse>
</soap:Body>
</soap:Body>
</soap:Envelope>
```

GetVersionNumber_Str

Definition

Returns the current version of the Yardi core Interface module concatenated with the Plug-in version number of the Interface type (i.e. 16_0 for the initial release, going to 16_1 for the next plug-in release, etc.), in a string format.



This operation is only being kept to provide compatibility with older versions of this Interface. GetVersionNumber is the recommend operation if the Interface version allows for it..



SOAP Request and Response

The following is a sample SOAP request and response. The variable placeholders, shown in **bold**, need to be replaced with actual values.

```
Request
```

Response

```
HTTP/1.1 200 OK

Content-Type: text/xml; charset=utf-8

Content-Length: length

<?xml version="1.0" encoding="utf-8"?>

<soap: Envelope xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns: xsd="http://www.w3.org/2001/XMLSchema"

xmlns: soap="http://schemas.xmlsoap.org/soap/envelope/">

<soap: Body>

<GetVersionNumber_StrResponse

xmlns="http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections">

<GetVersionNumber_StrResult>string</GetVersionNumber_StrResult>

</GetVersionNumber_StrResponse>

</soap: Body>

</soap: Body>

</soap: Envelope>
```

Ping

Definition

The Ping function accepts no parameters, but will return the assembly name of the function being called. Use it to test connectivity.

SOAP Request and Response

The following is a sample SOAP request and response. The variable placeholders, shown in **bold**, need to be replaced with actual values.



Request

```
POST /8223thirddev/Webservices/ItfCollections.asmx HTTP/1.1
Host: www.iyardiasp.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections/Ping"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<Ping xmlns="http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections" />
</soap:Body>
</soap:Envelope>
```

Response

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<PingResponse xmlns="http://tempuri.org/YSI.Interfaces.WebServices/ItfCollections">
<PingResult>string</PingResult>
</PingResponse>
</soap:Body>
</soap:Body>
</soap:Body>
</soap:Envelope>
```

XML Examples

Summary



Property

```
<PropertyFiles>
   <PropertyFile>
    <Property>
     < Identification >
       <IDValue>deidre1</IDValue>
     </ld></ld></ld></rr>
     <MarketingName />
     <LegalName />
     <Address AddressType="property">
       <Description>PropertyAddress/Description>
       <Address>Villa Del Mar 3232 Plano Road</Address>
       <City>Toronto</City>
       <State>OH</State>
       <PostalCode>60504</PostalCode>
     </Address>
</Property>
```

LeaseFile

```
<LeaseFiles>
    <LeaseFile>
      < Identification >
       <IDValue>harkim</IDValue>
       <OrganizationName>Primary Tenant Code</OrganizationName>
      </ld></ld></ld></rr>
      < Identification >
       <IDValue>129</IDValue>
       <OrganizationName>Unit Code</OrganizationName>
      </ld></ld></ld></rr>
      <CollectionStatus>true</CollectionStatus>
      <CollectionStatusLastChangeDate>2009-11-24</CollectionStatusLastChangeDate>
      <MoveInDate>2004-10-12</MoveInDate>
      <MoveOutDate>2006-03-31</MoveOutDate>
      <LeaseBegin>2004-10-01</LeaseBegin>
      <LeaseEnd>2006-03-31</LeaseEnd>
  <MonthlyRentAmount>1350.00</MonthlyRentAmount>
```



Tenants

```
<Tenants>
       <PersonDetails>
        < Identification >
         <IDValue>harkim</IDValue>
        </ld></ld></ld></rr>
        <Name>
         <NamePrefix>Kim</NamePrefix>
         <FirstName>Kim</FirstName>
         <LastName>Harrison</LastName>
        </Name>
        <Address AddressType="current">
         <Description>current</Description>
         <Address>Anapamu Villas</Address>
        </Address>
        <Phone PhoneType="home">
         <PhoneDescription>Home</PhoneDescription>
         <PhoneNumber>8055559765</PhoneNumber>
        </Phone>
       </PersonDetails>
    </Tenants>
```

File Transactions



Element Table

This table defines the elements contained in Itf_MITS_Collections3.0.xsd.

Field	Туре	Enumerated Values	Description	Additional Notes	
Summary					
/GenerationTimeStamp	Date/Time		Date and time the file originated		
/TotalProperties	Integer		Number of properties represented in this xml document		
/TotalLeaseFiles	Integer		Number of leases represented in this xml document. Represents all leases that have been marked to be sent to the collections agency since the last pull for this property		
/TotalTenants	Integer		Total number of residents associated with the leases above		
/TotalOpenAmount	Decimal		Total of outstanding charges		



Field	Туре	Enumerated Values	Description	Additional Notes	
PropertyFile	PropertyFile				
/Property/Identification/IDValue	String		Property identifier - unique per client	Property Lists are not supported for this field	
/Property/Address	MITS Address	property mailing shipping billing current previous forwarding legal notice termination notice other	Address info for the property	AddressType will always be 'property'	
PropertyFile/LeaseFiles/LeaseFile					
/Identification/IDValue	String		Customer ID (tenant code) of the "main" resident associated this lease, unique to the client, or Unit Id for the Unit associated with this lease (unique per property)		
/Identification/OrganizationName	String		Description of the IDValue above		



Field	Туре	Enumerated Values	Description	Additional Notes
/LeaseFiles/LeaseFile/CollectionStatus	Boolean		If this lease is to be collected on	true=collect on this lease / false=cancel collections on this lease
/LeaseFiles/LeaseFile/ CollectionStatusLastChangeDate	Date		Date this collections record was pulled from Yardi	
/LeaseFiles/LeaseFile/MoveInDate	Date		Move-in date of the "main" resident	
/LeaseFiles/LeaseFile/MoveOutDate	Date		Move-out date of the "main" resident	
/LeaseFiles/LeaseFile/LeaseBegin	Date		Date the lease of the "main" resident began	
/LeaseFiles/LeaseFile/LeaseEnd	Date		Date the lease of the "main" resident ended	
/LeaseFiles/LeaseFile/ MonthlyRentAmount	Decimal		Total rent paid per month for this lease	



Field	Туре	Enumerated Values	Description	Additional Notes
PropertyFile/LeaseFiles/Tenants				
/PersonDetails	MITS Person Detail			All residents marked as Lessee in Yardi will be sent along with the lease record. We will send the resident's birthday if we have it, but we do not filter on the birthday of the resident.
/Identification/IDValue	String		Identifier for this resident	
/Name	MITS Name		Name of the resident associated with the identifier	
/Address	MITS Address	property mailing shipping billing current previous forwarding legal notice termination notice other	All addresses we have for this resident	Email addresses are included in the addresses. Type will be 'other'
/Phone	MITS Phone			



Field	Туре	Enumerated Values	Description	Additional Notes
Attribute: PhoneType	Enumerati on	office cell FAX personal home other	PhoneType attibute will be the MITS phone type	
/PhoneDescription	String		Yardi's phone type description	
/DateOfBirth	Date			
/SSN	String		Social Security Number or FedId of this resident	
/DriversLicense	String			
/Guarantor	Boolean			
/CustomRecords/Record/Name	String		Description of customizable field as it is contained in Yardi	Among customizable values, attachments transmitted to the Collections Agency will also be included here. They will have a Name of 'Attachment'



Field	Туре	Enumerated Values	Description	Additional Notes
/CustomRecords/Record/Value	String		Value of this field	The names of attachment files will be sent here
FileTransactions			All outstanding charges for this lease will be listed in this section.	
/Identification/IDValue	Int64		Identifier for this transaction (unique per client)	
/TransDate	Date		Date this charge was created	
/TransTypeDesc	String		Description of the charge code this charge is associated with	
/TransType	String		Charge	
/TransAmount	Decimal		Original amount for which this charge was created	
/OpenAmount	Decimal		Current amount outstanding for this charge	