

# VITAMIN D

Wohnen in Südtirol / Abitare in Alto Adige

Import Interface V2 // Definitions an Example

Document version 2.2, Christoph Dolar, Oktober 2015

You can download this documentation from:

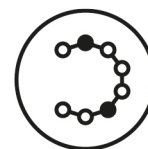
<http://www.wohnen-in-suedtirol.it/downloads/schnittstelle.zip>

If you have questions, please contact::

Christoph Dolar

VITAMIN D Digital Design & Development Dolar GmbH

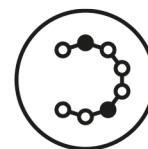
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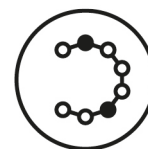
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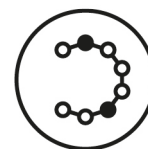
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# VITAMIN D

## General Specifications

By hereinafter mentioned mechanisms it is possible to insert real estate objects automatically into the databases of WIS (Wohnen in Südtirol). It is possible to import, modify or delete objects. The explained capabilities will be preserved, so that even with a possible extension of the capabilities backward compatibility will remain.

## Basic Operation

Operation is based on a XML based interchange format, which schema is explained in this document.

A file named WiS\_IMPORT.XML has to be provided in one folder together with all media data.

This folder must be accessible via FTP. Hostname and credentials that provide read access to this folder must be named so that the data can be retrieved by the FTP-daemon on WIS in a nightly interval. Data will be retrieved between 00:30 and 06:00.

In the XML file your customer number (which will be unique for each client and will be named by WIS) has to be inserted so objects can be assigned to the WIS user.

## Working Example

To give an overview here is a working example of a XML file which will insert one object and assigned media files for user 1234. This example file is also part of the zip-package this document was provided in. If you don't have received the whole zip package you can always download it from WIS (see URL above).

This XML structure does not contain all optional fields, so it shows the capability of the interface to ignore missing fields.

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

```
<WIS>
```

```
  <BENUTZER>
```

```
    <KDNR>1234</KDNR>
```

```
  </BENUTZER>
```

```
  <OBJEKTE>
```

```
    <ANZAHL>1</ANZAHL>
```

```
    <OBJEKT>
```

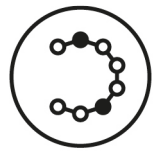
```
      <ID><![CDATA[xyz123]]></ID>
```

```
      <LOESCHEN>0</LOESCHEN>
```

```
      <GUELTIGBIS>2006-12-12 10:00:00</GUELTIGBIS>
```

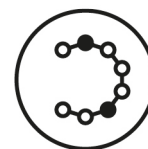
```
      <IMMOBILIENART>wohnung</IMMOBILIENART>
```

```
      <ORT><![CDATA[Bozen]]></ORT>
```



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<FRAKTION><![CDATA[]]></FRAKTION>  
<MIETEKauf>kauf</MIETEKauf>  
<PREIS>100000.00</PREIS>  
<AUFANFRAGE>nein</AUFANFRAGE>  
<NUTZFLAECHE>100.00</NUTZFLAECHE>  
<FLAECHEART>netto</FLAECHEART>  
<FOERDERBAR>ja</FOERDERBAR>  
<KONVENTIONIERT>nein</KONVENTIONIERT>  
<KUBATUR>300.00</KUBATUR>  
<ZUSTAND>neu</ZUSTAND>  
<ZIMMER>5</ZIMMER>  
<STOCKWERKE>2</STOCKWERKE>  
<STOCKWERK>3</STOCKWERK>  
<AUFZUG>ja</AUFZUG>  
<GARAGE>nein</GARAGE>  
<ABSTELLPLATZ>ja</ABSTELLPLATZ>  
<GRUENFLAECHE>nein</GRUENFLAECHE>  
<KELLER>ja</KELLER>  
<TERRASSE>nein</TERRASSE>  
<LOGGIA>nein</LOGGIA>  
<BALKON>ja</BALKON>  
<DACHBODEN>ja</DACHBODEN>  
<HEIZUNG>autonom</HEIZUNG>  
<KLIMAHaus>A</KLIMAHaus>  
<UEBERGABEZEITPUNKT><![CDATA[5. Dezember 2008]]></UEBERGABEZEITPUNKT>  
<BAUJAHR><![CDATA[Baubeginn Jänner 2006]]></BAUJAHR>  
<INFODE><![CDATA[]]></INFODE>  
<INFOIT><![CDATA[]]></INFOIT>  
<BILD1><![CDATA[bild1.jpg]]></BILD1>  
<BILD2><![CDATA[bild2.jpg]]></BILD2>  
<BILD3><![CDATA[bild3.jpg]]></BILD3>  
<BILD4><![CDATA[bild4.jpg]]></BILD4>



# VITAMIN D

```
<BILD5><![CDATA[]]></BILD5>
<BILD6><![CDATA[]]></BILD6>
<BILD7><![CDATA[]]></BILD7>
<BILD8><![CDATA[]]></BILD8>
<BILD9><![CDATA[]]></BILD9>
<BILD10><![CDATA[]]></BILD10>
<DOWNLOAD1><![CDATA[beschreibung.pdf]]></DOWNLOAD1>
<DOWNLOAD2><![CDATA[beschreibung2.pdf]]></DOWNLOAD2>
<DOWNLOAD3><![CDATA[</DOWNLOAD3>
</OBJEKT>
```

```
</OBJEKTE>
```

```
</WIS>
```

## Definitions and Values

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

Always use UTF-8 encoding, so that special characters show up correctly on WIS.

```
<WIS></WIS>
```

Surrounding tags.

```
<BENUTZER></BENUTZER>
```

User information. Additional fields will be added in the future.

```
<KDNR>1234</KDNR>
```

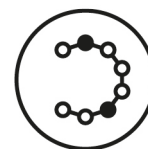
Customer number. The customer number will be allocated manually to users. Only users with a working interface have user numbers. Please ask WIS for your clients' user number.

```
<OBJEKTE></OBJEKTE>
```

Contains all objects which will be inserted, updated or deleted. Can be removed from the file at all, if only user data is being transmitted.

```
<ANZAHL>1</ANZAHL>
```

Number of objects which follow. Mandatory if the <OBJEKTE></OBJEKTE> Tag is used.



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<OBJEKT></OBJEKT>

One object. There has to be at least one object in the file. If you don't want to transmit object data, please remove the whole <OBJEKT></OBJEKT> tag from the file.

## Mandatory Fields for Objects

All following fields are mandatory. If a field is missing from the file, it will be interpreted as „no“.

<ID><![CDATA[xyz123]]></ID>

Unique reference ID for this object in the customers software. An object with the same ID will be updated (if it is already on WIS). If there's no object with this ID the object will be inserted.

Valid data format: Character Data.

<LOESCHEN>nein</LOESCHEN>

Shall the object be deleted?. Please use german values.

Valid data format: ja (yes)  
nein (nein)

<GUELTIGBIS>2006-12-12 10:00:00</GUELTIGBIS>

Object valid until. Date can be a maximum of 6 months in the future. If no date is set, valid until will not be touched.

Valid data format: YYYY-MM-DD HH:MM:SS

<IMMOBILIENART>wohnung</IMMOBILIENART>

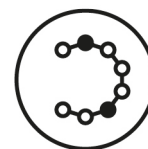
Type of object. Please always use german values.

Valid data format: bauernhof (farm)  
baugrund (building area)  
buero (office)  
einfamilienhaus (detatched house)  
garage (garage)  
gastgewerbeobjekt (pub/retaurant/hotel)  
geschaeft (shop)  
gewerbehalle (commercial space)  
kulturgrund (acreage)  
reihenhaus (townhouse)  
wald (wood)  
wohnung (flat)

<ORT><![CDATA[Bozen]]></ORT>

City/town/village. A list of al valid names can be found in the attached .csv file. If you need additional values please contact christoph.dolar@vitd.at.





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<MIETEKauf>kauf</MIETEKauf>

Valid data format: miete (for rent)  
kauf (to buy)

<PREIS>100000.00</PREIS>

Monthly rent or buying price.

Valid data format: positive decimals with max. 10.2 Please use the dot as comm separator (english number format).

<AUFANFRAGE>nein</AUFANFRAGE>

Hide price. „On demand“ will be shown if set to „ja“.

Valid data format: ja (yes)  
nein (nein)

<NUTZFLAECHE>100.00</NUTZFLAECHE>

Area in m<sup>2</sup>.

Valid data format: positive decimals with max. 10.2 or 0. Please use the dot as comm separator (english number format).

<FLAECHEART>netto</FLAECHEART>

Type of area.

Valid data format: netto (net)  
brutto (gross)  
verkauf (selling area)

## Optional fields

All following fields can be in the XML file. In one field is empty it will be ignored or set to „nein“ („no“).

Some fields are bound to object types as they make no sense if applied to the wrong object type – e.g. a garage has no terrace.

If wrong fields are filled for a specific object type they will be ignored.

<FRAKTION><![CDATA[]]></FRAKTION>

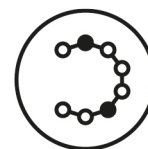
City district.

Valid data format: Character Data.

<STRASSE><![CDATA[Via Roma]]></STRASSE>

Street address.

Valid data format: Character Data.



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<HAUSNUMMER><![CDATA[14a]]></HAUSNUMMER>

Street number.

Valid data format: Character Data.

<STIEGE><![CDATA[1]]></STIEGE>

Stair number.

Valid data format: Character Data.

Address information is used to localize the object via Google Maps web service.

<LAT><![CDATA[11.345778]]></LAT>

Latitude of the object.

Valid data format: Float

<LNG><![CDATA[11.345778]]></LNG>

Longitude of the object.

Valid data format: Float

If latitude and longitude are provided, no localization of the object will be done on import.

<FOERDERBAR>ja</FOERDERBAR>

Property promotion possible?

Valid data format: ja (yes)  
nein (nein)

<KONVENTIONIERT>nein</KONVENTIONIERT>

conventioned object?

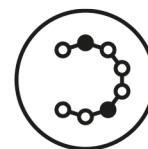
Valid data format: ja (yes)  
nein (nein)

<ENERGIEEFFIZIENZKLASSE><![CDATA[A gold]]></ENERGIEEFFIZIENZKLASSE>

Energy efficiency class

All object types except building area, agricultural area and wood must have an energy efficiency class. If there is no valid data found in this field, „G“ is automatically set.

Valid data format: A gold / A Gold / A+++  
A++



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A+  
A  
B  
C  
D  
E  
F  
G

<KUBATUR>300.00</KUBATUR>

Surrounded room in m<sup>3</sup>.

Valid data format: positive decimals with max. 10.2 or 0. Please use the dot as comm separator (english number format).

<ZUSTAND>neu</ZUSTAND>

New or used object? Please use german values.

Valid data format: neu (new)  
gebraucht (used)

<ZIMMER>5</ZIMMER>

Room number. Please use german values.

Valid data format: positive integer value

<STOCKWERKE>2</STOCKWERKE>

Number of floors.

Valid data format: positive integer value

<STOCKWERK>3</STOCKWERK>

Floor number where the object is located, or the number of the first floor the object is located (if the object has more floors, e.g. a two floor flat).

1 = ground floor

2 = first floor (international counting)

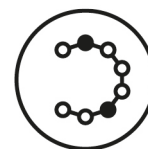
...

Valid data format: positive integer value

<AUFZUG>ja</AUFZUG>

Is there an elevator? Please use german values.

Valid data format: ja (yes)



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nein (nein)

<GARAGE>nein</GARAGE>

Does the object have a garage? Please use german values.

Valid data format: ja (yes)  
nein (nein)

<ABSTELLPLATZ>ja</ABSTELLPLATZ>

Does the object have a parking spot?

Valid data format: ja (yes)  
nein (nein)

<GRUENFLAECHE>nein</GRUENFLAECHE>

Does the object have a garden? Please use german values.

Valid data format: ja (yes)  
nein (nein)

<KELLER>ja</KELLER>

Does the object have a cellar? Please use german values.

Valid data format: ja (yes)  
nein (nein)

<TERRASSE>nein</TERRASSE>

Does the object have a terrace? Please use german values.

Valid data format: ja (yes)  
nein (nein)

<LOGGIA>nein</LOGGIA>

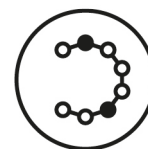
Does the object have a loggia? Please use german values.

Valid data format: ja (yes)  
nein (nein)

<BALKON>ja</BALKON>

Does the object have a balcony? Please use german values.

Valid data format: ja (yes)  
nein (nein)



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<DACHBODEN>ja</DACHBODEN>

Does the object have an attic? Please use german values.

Valid data format: ja (yes)  
nein (nein)

<HEIZUNG>autonom</HEIZUNG>

Is heating autonomous or central heating? Please use german values.

Valid data format: zentral (central heating)  
autonom (autonomous heating)

<KLIMAHaus>A</KLIMAHaus>

Clima house classification

Valid data format: A  
B

<UEBERGABEZEITPUNKT><![CDATA[Vorauss. 5. Dezember 2008]]></UEBERGABEZEITPUNKT>

When can the object be handed over?

Valid data format: Character Data.

<BAUJAHR><![CDATA[Baubeginn Jänner 2006]]></BAUJAHR>

When was / will be the start of construction?

Valid data format: Character Data.

<INFODE><![CDATA[]]></INFODE>

Informational text, German.

Valid data format: Character Data.

<INFOIT><![CDATA[]]></INFOIT>

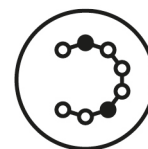
Informational text, Italian.

Valid data format: Character Data.

<BILD1><![CDATA[bild1.jpg]]></BILD1>

Images 1-10. A maximum of 99 images can be delivered per object. Image files must be located at the same FTP folder as WIS\_IMPORT.XML

Valid formats: .jpg  
.png



# VITAMIN D

<DOWNLOAD1><![CDATA[beschreibung.pdf]]></DOWNLOAD1>

Download 1-3. A maximum of 3 downloads can be delivered per object. Download files must be located at the same FTP folder as WIS\_IMPORT.XML

Valid formats: .pdf

.doc

.docx