

freelance.de

XML-Interface Definition

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1 Projectimport at freelance.de

You have two options to integrate your projects into the freelance.de database. Both cases require an XML file in which your projects are stored. The schema for the XML file can be found in section 4 "Project data fields" on page 7.

1.1 You send us your data (Push) - recommended option

You send your XML file via HTTP POST command to our server. After the successful transmission, the projects are imported into the freelance.de database.

⇒ Your advantage: Your projects will be published in real time

1.2 We fetch your data (Pull)

In this method you create an XML file with your projects, save it on your server and give us the URL where we can download the file

(eg: <http://www.mywebsite.com/interfaces/freelance/projects.xml>).

Our server visits this URL, downloads the XML file and imports your projects.

1.3 Read-Times

Between 08:00 a.m. and 07:30 p.m. freelance.de is visited the most. During this period, your XML file is read at least 3 times. The exact times and the number of projects that will be imported can be specified individually. Once the project is uploaded, it is not possible to update it.



2 How to set Projects offline

There are three mechanisms that switch your projects offline when they are out of date. You can decide which one to use but the 'automatic verification of the start date' is performed on every project.

2.1.1 Automatic verification of the start date

On around the 7th of each month, all projects with a start date in the past will be set offline. A week before that happens you will be notified by E-Mail about these projects.

If the projects are still vacant, you can set a new start date for the projects or send us an E-Mail and we will change that for you.

2.1.2 Compare the projects in the XML file

With this method you have to keep your XML file up to date so that it contains all your current projects. With each transmission the projects in your XML file will be compared to the projects in your freelance.de account. Projects that are online in your account but no longer in the XML file will be set offline.

2.1.3 Selective control by specifying status changes

With the selective control you can determine individually what should happen with each project.

The XML-Tags `<action>` and `<status>` determine what should happen with each project:

- Import project
`<action>add</action>`
`<status>online</status>`
- Update project
`<action>update</action>`
`<status>online</status>`



- Set project offline

`<action>update</action>`

`<status>offline</status>`

- Delete project

`<action>delete</action>`

`<status>offline</status>`

You can use the following values for the Tag `<action>`

Action (Tag <code><action></code>)	Tag-Value	Alternative Value	Alternative Tag-Value
Import	add	import	1
Update	update	2	
Delete	delete	3	

You can use the following values for the Tag `<status>`

Action (Tag <code><status></code>)	Tag-Value	Alternative Value	Required Value of the Tag <code><action></code>
Set project online	online	1	add or update
Set project offline	offline	0	update



3 Structure of the interface

The XML file is required to have the following syntax:

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

```
<projectset>
```

```
  <project>
```

```
    [project data]
```

```
  </project >
```

```
  <project>
```

```
    [project data]
```

```
  </project >
```

```
  <project>
```

```
    [project data]
```

```
  </project >
```

```
</projectset >
```

In the tag `<projectset>` any number of projects can be placed by using the tag `<project>`. The elements within the project are explained in the following section.



4 Project data fields

This chapter describes all the required XML tags within a `<project>`- tag. If you cannot fill a tag, we will insert default values into all your projects. Preferably all values are within a `<[CDATA []]>` -section. The sequence of tags does not matter.

4.1 Required fields

Tag-Name	Description	Expected Value	Default-Value
<code><external_id></code>	Your internal and unique project-ID.	String	
<code><proj_title></code>	Titel of the project.	String	
<code><proj_description></code>	Description of the project.	String	



4.2 Recommended data

The following information is optional, but recommended.

4.2.1 Recommended project data

Tag-Name	Description	Expected Value	Default-Value
<start_month>	Start month of the project (as a number).	Integer (one or two digits – from 1 to 12)	Current month
<start_year>	Start year of the project (as a number).	Integer (four digits)	Current year
<end_month>	End month of the project (as a number).	Integer (one or two digits – from 1 to 12)	
<end_year>	End year of the project (as a number).	Integer (four digits)	
<proj_zip>	Zip code where the project takes place.	String	
<proj_city>	City where the project takes place.	String	



4.3 Optional Information

4.3.1 Optional Project data

Tag-Name	Description	Expected Value	Default-Value
<proj_country>	The country code of the project location. For more country codes, please contact Nedyalko.Zhekov@freelance.de .	Integer: 12 = Austria 76 = Germany 198 = Switzerland	76
<proj_county>	Code of the state of the project location.	Integer: 52 = Baden-Wurttemberg 53 = Bavaria 54 = Berlin 55 = Brandenburg 56 = Bremen 57 = Hamburg 58 = Hesse 59 = Mecklenburg- Western Pomerania 60 = Lower Saxony	



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		61 = North Rhine-Westphalia 62 = Rhineland-Palatinate 63 = Saarland 64 = Saxony 65 = Saxony-Anhalt 66 = Schleswig-Holstein 67 = Thuringia	
<work_exp>	Required Work Experience in years.	Integer	
<project_budget>	Hourly rate for the position.	Integer	
<project_type_id>	What type of project is it?	Integer: 1 = Inhouse project 2 = Customer project: You are HR service provider	
<application_link>	Link to the project application.	String	
<remote>	Is this a remote project?	String: 1; true; yes = yes 0; false; no = no	no



4.3.2 Control data

Tag-Name	Description	Expected Value	Default-Value
<action>	The usage is described in Section 2.1.3, "Selective control by specifying status changes" on page 4.	String oder Integer	1
<status>	The usage is described in Section 2.1.3, "Selective control by specifying status changes" on page 4.	String oder Integer	1

4.3.3 Contact information

By default the contact information from the employee profile will be assigned to each project. But you can set an individual contact person for each project.

Tag-Name	Description	Expected Value	Default-Value
<companyname>	Name of the company.		
<companystreet>	Street of the company.		
<companyzip>	Zip code of the company.		
<companycity>	City of the company.		



<companycounty_id>	Code of the state of the company.	Integer: 52 = Baden-Wurttemberg 53 = Bavaria 54 = Berlin 55 = Brandenburg 56 = Bremen 57 = Hamburg 58 = Hesse 59 = Mecklenburg- Western Pomerania 60 = Lower Saxony 61 = North Rhine- Westphalia 62 = Rhineland-Palatinate 63 = Saarland 64 = Saxony 65 = Saxony-Anhalt 66 = Schleswig-Holstein 67 = Thuringia	
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<companycountry_id>	The country code of the project location. For more country codes, please contact Nedyalko.Zhekov@freelance.de .	Integer: 12 = Austria 76 = Germany 198 = Switzerland	
<contact_person_forename>	First name of the contact person.		
<contact_person_lastname>	Last name of the contact person.		
<contact_email>	E-mail address of the contact person.		
<phone_office>	Office phone number of the contact person.		
<phone_mobile>	Mobile number of the contact person.		
<fax>	Fax number of the contact person.		



5 Example

```
<?xml version="1.0" encoding="UTF-8"?>
<projectset>
  <project>
    <external_id><![CDATA[IN09776]]></external_id>
    <action><![CDATA[add]]></action>
    <status><![CDATA[online]]></status>
    <proj_zip><![CDATA[99999]]></proj_zip>
    <proj_city><![CDATA[Example City]]></proj_city>
    <proj_county><![CDATA[53]]></proj_county>
    <proj_country><![CDATA[76]]></proj_country>
    <proj_title><![CDATA[Creating an interface in
XML]]></proj_title>
    <work_exp><![CDATA[5]]></work_exp>
    <proj_description><![CDATA[The goal of this project is to design and implement
an XML interface for the exchange of project data.]]></proj_description>
    <start_month><![CDATA[8]]></start_month>
    <start_year><![CDATA[2010]]></start_year>
    <end_month><![CDATA[12]]></end_month>
    <end_year><![CDATA[2012]]></end_year>
    <project_type_id><![CDATA[1]]></project_type_id>
    <project_budget><![CDATA[60]]></project_budget>
    <application_link><![CDATA[http://www.mywebsite.com/projects/ap
ply.php?pid=IN09776]]></application_link>
    <companyname><![CDATA[Example Company]]></companyname>
    <companystreet><![CDATA[Example Street 999]]></companystreet>
    <companyzip><![CDATA[80333]]></companyzip>
    <companycity><![CDATA[Example Town]]></companycity>
    <companycounty_id><![CDATA[53]]></companycounty_id>
```

```
<companycountry_id><![CDATA[76]]></companycountry_id>
<contact_person_forename><![CDATA[Max]]></contact_person_forename>
<contact_person_lastname><![CDATA[Mustermann]]></contact_person_
_lastname>
<contact_email><![CDATA[max.musterman@mustergmbh.de]]></contact
_email>
<phone_office><![CDATA[+49 (0)99 9999 999 999]]></phone_office>
<phone_mobile><![CDATA[+49 (0)99 9999 999 999]]></phone_mobile>
<fax><![CDATA[+49 (0)99 9999 999 999]]></fax>
<remote><![CDATA[true]]></remote>
</project>
</projectset>
```