

# WhosOff

# API

## Technical Specification Document v1.2

Monday, 03 February 2014



**WhosOff**®



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Owned and operated by X:drive Computing Limited, 29-30 Watling Street, Canterbury, Kent CT1 2UD

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# Overview

WhosOff® is owned and operated by X:drive Computing Limited.

Throughout this document, when we refer to 'we', 'us', 'our' etc, we are referring to WhosOff®. When we refer to 'you' we are referring to the account holder held on WhosOff®.

This document outlines the Remote API provided WhosOff®. Primarily this API has been developed for integration with account holders' internal systems.

## API Notes

The service address for the remote API is given below; this is a fixed location that will not be changed unless prior warning is given.

<https://publicapi.whosoff.com>

## Security

This service is locked down by IP address and a supplied key.

WhosOff® will require the IP address from the account holder of the requesting computer and WhosOff® will supply a unique 'System Key' to allow the account holder access to the API.

## System Key

Each of the procedures requires a system key (which is case sensitive) supplied by WhosOff®; this is added to provide another level of security. WhosOff® reserves the right to change system key or remove access at any time without prior notice.

## Usage

Use of this API and associated data is at your own risk and responsibility, please be aware that we do not implement any of the data rules applied by the online system eg 'cross dept viewing' and other leave associated restrictions. If required, you will need to implement this in your own application. At the present time the API only returns read-only data.

## Fair Use Policy

From time to time we will monitor your usage of the service, and where necessary we may implement restrictions without notice.

# DEPARTMENT\_NAMES

## Description

Procedure to retrieve all department names for an account.

## Parameters

Description	Type	Required
APIKEY	String	Y

## Example Responses

<b>Result</b>	Success
<b>Reason</b>	OK
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;SUCCESS&lt;/RESPONSE&gt;   &lt;REASON&gt;OK&lt;/REASON&gt;   &lt;DATA&gt;     &lt;DEPARTMENT_NAME&gt;UNALLOCATED&lt;/DEPARTMENT_NAME&gt;     &lt;DEPARTMENT_NAME&gt;Finance&lt;/DEPARTMENT_NAME&gt;     &lt;DEPARTMENT_NAME&gt;IT&lt;/DEPARTMENT_NAME&gt;   &lt;/DATA&gt; &lt;/WHOSOFF&gt;</pre>	

<b>Result</b>	Failed
<b>Reason</b>	Key Invalid
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;FAILED&lt;/RESPONSE&gt;   &lt;REASON&gt;Failed Key&lt;/REASON&gt; &lt;/WHOSOFF&gt;</pre>	

<b>Result</b>	Failed
<b>Reason</b>	IP address disagrees with our records
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;FAILED&lt;/RESPONSE&gt;   &lt;REASON&gt;Failed Host&lt;/REASON&gt; &lt;/WHOSOFF&gt;</pre>	

# LEAVE\_TYPES

## Description

Procedure to retrieve an account Leave Types

## Parameters

Description	Type	Required
APIKEY	String	Y

## Example Responses

<b>Result</b>	Success
<b>Reason</b>	OK
<pre>&lt;?xml version="1.0" encoding="utf-8" ?&gt; &lt;Xdrive&gt;   &lt;Response&gt;Success&lt;/Response&gt; &lt;/Xdrive&gt;</pre>	

<b>Result</b>	Fail
<b>Reason</b>	Job does not exist
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;SUCCESS&lt;/RESPONSE&gt;   &lt;REASON&gt;OK&lt;/REASON&gt;   &lt;DATA&gt;     &lt;LEAVE_TYPE&gt;Approvers Meeting&lt;/LEAVE_TYPE&gt;     &lt;LEAVE_TYPE&gt;Conference&lt;/LEAVE_TYPE&gt;     &lt;LEAVE_TYPE&gt;Holiday&lt;/LEAVE_TYPE&gt;     &lt;LEAVE_TYPE&gt;Meeting&lt;/LEAVE_TYPE&gt;     &lt;LEAVE_TYPE&gt;Out of Office&lt;/LEAVE_TYPE&gt;     &lt;LEAVE_TYPE&gt;Overseas &lt;/LEAVE_TYPE&gt;     &lt;LEAVE_TYPE&gt;Sick Leave&lt;/LEAVE_TYPE&gt;     &lt;LEAVE_TYPE&gt;Super User Restricted Days&lt;/LEAVE_TYPE&gt;     &lt;LEAVE_TYPE&gt;Un-Paid Leave&lt;/LEAVE_TYPE&gt;   &lt;/DATA&gt; &lt;/WHOSOFF&gt;</pre>	

<b>Result</b>	Failed
<b>Reason</b>	Key Invalid
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;FAILED&lt;/RESPONSE&gt;   &lt;REASON&gt;Failed Key&lt;/REASON&gt; &lt;/WHOSOFF&gt;</pre>	

<b>Result</b>	Failed
<b>Reason</b>	IP address disagrees with our records
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;FAILED&lt;/RESPONSE&gt;</pre>	

<REASON>Failed Host</REASON>  
</WHOSOFF>

## STAFF\_DETAILS

### Description

Procedure to return a list of Staff

### Parameters

#### Method 1

Returns all staff for account

Description	Type	Required
APIKEY	String	Y

#### Method 2

Returns all staff for account

Description	Type	Required
APIKEY	String	Y
Department_Name	String	Optional
Staff_ID	String	Optional Email address or Staff Code
Company_Year	String	Optional 1=This Company year 2=Next Company year

## STAFF\_DETAILS\_BY\_STAFFID

### Description

Procedure to return one staff members' details

### Parameters

#### Method 1

Returns staff members' details

Description	Type	Required
APIKEY	String	Y
Staff_ID	String	Y Email / Username or Staff Code

#### Method 2

Returns staff members' details and allowance balances

Description	Type	Required
APIKEY	String	Y
Staff_ID	String	Y Email / Username or Staff Code
Company_Year	String	Y 1=This Company year 2=Next Company year

# STAFF\_DETAILS\_BY\_DEPARTMENT

## Description

Procedure to return list of staff members' details in a department

## Parameters

### Method 1

Returns staff members' details by department

Description	Type	Required
APIKEY	String	Y
Department_Name	String	Y

### Method 2

Returns staff members' details by department and allowance balances

Description	Type	Required
APIKEY	String	Y
Department_Name	String	Y
Company_Year	String	Y Optional 1=This Company year 2=Next Company year

## Example Response

<b>Result</b>	Success
<b>Reason</b>	OK
<pre> &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;SUCCESS&lt;/RESPONSE&gt;   &lt;REASON&gt;OK&lt;/REASON&gt;   &lt;DATA&gt;     &lt;STAFF&gt;       &lt;Staff_Code&gt;HZ1&lt;/Staff_Code&gt;       &lt;Staff_First_Name&gt;Hugh&lt;/Staff_First_Name&gt;       &lt;Staff_Last_Name&gt;Zoff&lt;/Staff_Last_Name&gt;       &lt;Staff_Email_Address&gt;hugh.zoff@test.com&lt;/Staff_Email_Address&gt;       &lt;Department_Name&gt;IT&lt;/Department_Name&gt;       &lt;Staff_Notes&gt;&lt;/Staff_Notes&gt;       &lt;Approver_Code&gt;&lt;/Approver_Code&gt;       &lt;Approver_First_Name&gt;Holly&lt;/Approver_First_Name&gt;       &lt;Approver_Last_Name&gt;Day&lt;/Approver_Last_Name&gt;       &lt;Approver_Email_Address&gt;john@whosoff.com&lt;/ Approver_Email_Address &gt;       &lt;Second_Notifier_Email_Address&gt;fred@whosoff.com&lt;/ Second_Notifier_Email_Address &gt;       &lt;Third_Notifier_Email_Address &gt;&lt;/ Third_Notifier_Email_Address &gt;       &lt;Allowance_Type&gt;DAYS&lt;/Allowance_Type&gt;       &lt;Monday_Work&gt;True&lt;/Monday_Work&gt;       &lt;Tuesday_Work&gt;True&lt;/Tuesday_Work&gt;       &lt;Wednesday_Work&gt;True&lt;/Wednesday_Work&gt; </pre>	

```

<Thursday_Work>True</Thursday_Work>
<Friday_Work>True</Friday_Work>
<Saturday_Work>False</Saturday_Work>
<Sunday_Work>False</Sunday_Work>
<Monday_Hours>0</Monday_Hours>
<Tuesday_Hours>0</Tuesday_Hours>
<Wednesday_Hours>0</Wednesday_Hours>
<Thursday_Hours>0</Thursday_Hours>
<Friday_Hours>0</Friday_Hours>
<Saturday_Hours>0</Saturday_Hours>
<Sunday_Hours>0</Sunday_Hours>
<Company_Year>2000</Company_Year>
<Staff_Year_Opening_Balance>20</Staff_Year_Opening_Balance>
<Staff_Year_Remaining_Balance>10</Staff_Year_Remaining_Balance>
<Staff_Year_Extra>0</Staff_Year_Extra>
<Staff_Lieu_Time>0</Staff_Lieu_Time>
</STAFF>
<STAFF>
  <Staff_Code>HD1</Staff_Code>
  <Staff_First_Name>Holly</Staff_First_Name>
  <Staff_Last_Name>Day</Staff_Last_Name>
  <Staff_Email_Address>holly.day@test.com</Staff_Email_Address>
  <Department_Name>HR</Department_Name>
  <Staff_Notes></Staff_Notes>
  <Approver_Code></Approver_Code>
  <Approver_First_Name>Fred</Approver_First_Name>
  <Approver_Last_Name>Bloggs</Approver_Last_Name>
  <Approver_Email_Address>john@whosoff.com</Approver_Email_Address>
  <Second_Notifier_Email_Address>fred@whosoff.com</Second_Notifier_Email_Address>
  <Third_Notifier_Email_Address></Third_Notifier_Email_Address>
  <Allowance_Type>DAYS</Allowance_Type>
  <Monday_Work>True</Monday_Work>
  <Tuesday_Work>True</Tuesday_Work>
  <Wednesday_Work>True</Wednesday_Work>
  <Thursday_Work>True</Thursday_Work>
  <Friday_Work>True</Friday_Work>
  <Saturday_Work>False</Saturday_Work>
  <Sunday_Work>False</Sunday_Work>
  <Monday_Hours>0</Monday_Hours>
  <Tuesday_Hours>0</Tuesday_Hours>
  <Wednesday_Hours>0</Wednesday_Hours>
  <Thursday_Hours>0</Thursday_Hours>
  <Friday_Hours>0</Friday_Hours>
  <Saturday_Hours>0</Saturday_Hours>
  <Sunday_Hours>0</Sunday_Hours>
  <Company_Year>2000</Company_Year>
  <Staff_Year_Opening_Balance>40</Staff_Year_Opening_Balance>
  <Staff_Year_Remaining_Balance>40</Staff_Year_Remaining_Balance>
  <Staff_Year_Extra>0</Staff_Year_Extra>
  <Staff_Lieu_Time>0</Staff_Lieu_Time>
</STAFF>
</DATA>
</WHOSOFF>

```

<b>Result</b>	Failed
<b>Reason</b>	Key Invalid
<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;FAILED&lt;/RESPONSE&gt;   &lt;REASON&gt;Failed Key&lt;/REASON&gt; &lt;/WHOSOFF&gt; </pre>	

<b>Result</b>	Failed
<b>Reason</b>	User not found on account
<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; </pre>	



```
<WHOSOFF>
  <RESPONSE>FAILED</RESPONSE>
  <REASON>User not found</REASON>
</WHOSOFF>
```

<b>Result</b>	Failed
<b>Reason</b>	Department not found
<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;WHOSOFF&gt;   &lt;RESPONSE&gt;FAILED&lt;/RESPONSE&gt;   &lt;REASON&gt;Department not found&lt;/REASON&gt; &lt;/WHOSOFF&gt;</pre>	

## Explanation of Returned Data

Code	Type	Description
Staff_Code	String	Staff Code given to the staff member on set up of WhosOff
Staff_First_Name	String	Staff first name
Staff_Last_Name	String	Staff last name
Staff_Email_Address	String	Staff email / username as on the system
Department_Name	String	Department name
Staff_Notes	String	Staff notes stored on the system
Approver_Code	String	Code for the approver
Approver_First_Name	String	Approvers first name
Approver_Last_Name	String	Approvers last name
Approver_Email_Address (v1.1)	String	Approvers Email Address
Second_Notifier_Email_Address (v1.1)	String	Second Notifier Email Address
Third_Notifier_Email_Address (v1.1)	String	Third Notifier Email Address
Allowance_Type	String	Allowance type for the staff member DAYS or HOURS
Monday_Work / Sunday_Work	Bool	If staff user works on this day
Tuesday_Hours / Sunday_Hours	Float	How many hours the staff members works on a particular day
Company_Year	Integer	Company year for allowance balances
Staff_Year_Opening_Balance	Float	Opening balance for above year
Staff_Year_Remaining_Balance	Float	Remain balance for above year
Staff_Year_Extra	Float	Extra days given (carryover )
Staff_Lieu_Time	Float	Staff lieu time

# WHOSOFF

## Description

Procedure to return leave between a given period

## Parameters

### Method 1

Returns leave for given parameters

Description	Type	Required
APIKEY	String	Y
Start_Date	Date	Y Format DD/MM/YYYY example 20/01/2011 (20 <sup>th</sup> January 2011)
End_Date	Date	Y Format DD/MM/YYYY example 20/02/2011 (20 <sup>th</sup> February 2011)
Staff_ID	String	Optional Email / Username or Staff
Department_Name	String	Optional
Leave_Type	String	Optional

### Method 2

Returns leave for whole account between given dates

Description	Type	Required
APIKEY	String	Y
Start_Date	Date	Y Format DD/MM/YYYY example 20/01/2011 (20 <sup>th</sup> January 2011)
End_Date	Date	Y Format DD/MM/YYYY example 20/02/2011 (20 <sup>th</sup> February 2011)

# WHOSOFF\_BY\_DEPARTMENT

## Description

Procedure to return leave between given dates by department.

## Parameters

Description	Type	Required
APIKEY	String	Y
Start_Date	Date	Y Format DD/MM/YYYY example 20/01/2011 (20 <sup>th</sup> January 2011)
End_Date	Date	Y Format DD/MM/YYYY example 20/02/2011 (20 <sup>th</sup> February 2011)
Department_Name	String	Optional

# WHOSOFF\_BY\_LEAVE\_TYPE

## Description

Procedure to return leave between given dates by leave type.

## Parameters

Description	Type	Required
APIKEY	String	Y
Start_Date	Date	Y Format DD/MM/YYYY example 20/01/2011 (20 <sup>th</sup> January 2011)
End_Date	Date	Y Format DD/MM/YYYY example 20/02/2011 (20 <sup>th</sup> February 2011)
Leave_Type	String	Leave Type

# WHOSOFF\_BY\_STAFFID

## Description

Procedure to return leave between given dates by staff id.

## Parameters

Description	Type	Required
APIKEY	String	Y
Start_Date	Date	Y Format DD/MM/YYYY example 20/01/2011 (20 <sup>th</sup> January 2011)
End_Date	Date	Y Format DD/MM/YYYY example 20/02/2011 (20 <sup>th</sup> February 2011)
Staff_ID	String	Optional Email / Username or Staff

## Example Response

<b>Result</b>	Success
<b>Reason</b>	OK
<pre>&lt;WHOSOFF&gt;   &lt;RESPONSE&gt;SUCCESS&lt;/RESPONSE&gt;   &lt;REASON&gt;OK&lt;/REASON&gt;   &lt;DATA&gt;     &lt;LEAVE&gt;       &lt;Process_Code&gt;A&lt;/Process_Code&gt;       &lt;StartDate&gt;01/01/2011 00:00&lt;/StartDate&gt;       &lt;EndDate&gt;04/01/2011 00:00&lt;/EndDate&gt;       &lt;Leave_Code&gt;H&lt;/Leave_Code&gt;       &lt;Leave_Name&gt;Holiday&lt;/Leave_Name&gt;       &lt;Leave_Colour&gt;#0099CC&lt;/Leave_Colour&gt;</pre>	

	<Allowance_Type>DAYS</Allowance_Type> <Duration_Period>4</Duration_Period> <Leave_Period>1</Leave_Period> <Working_Period>1</Working_Period> <Half_Day_Flag>No</Half_Day_Flag> <Staff_Code>HZ1</Staff_Code> <Staff_First_Name>Hugh</Staff_First_Name> <Staff_Last_Name>Zoff</Staff_Last_Name> <Staff_Email_Address>hugh.zoff@test.com</Staff_Email_Address> <Department_Name>IT</Department_Name> <Approver_Code>Auto</Approver_Code> <Approver_First_Name>Auto</Approver_First_Name> <Approver_Last_Name>Auto</Approver_Last_Name> <User_Notes></User_Notes> <Approver_Notes>Added by Admin</Approver_Notes> <Staff_Approvers>john@whosoff.com,fred@whosoff.com,</ Staff_Approvers > </LEAVE> </DATA> </WHOSOFF>
--	---

<b>Result</b>	Failed
<b>Reason</b>	Key Invalid
<?xml version="1.0" encoding="UTF-8"?> <WHOSOFF> <RESPONSE>FAILED</RESPONSE> <REASON>Failed Key</REASON> </WHOSOFF>	

<b>Result</b>	Failed
<b>Reason</b>	Date not in correct format
<?xml version="1.0" encoding="UTF-8"?> <WHOSOFF> <RESPONSE>FAILED</RESPONSE> <REASON>Date not in correct format </REASON> </WHOSOFF>	

<b>Result</b>	Failed
<b>Reason</b>	Department not found
<?xml version="1.0" encoding="UTF-8"?> <WHOSOFF> <RESPONSE>FAILED</RESPONSE> <REASON>Department not found</REASON> </WHOSOFF>	

<b>Result</b>	Failed
<b>Reason</b>	User not found on account
<?xml version="1.0" encoding="UTF-8"?> <WHOSOFF> <RESPONSE>FAILED</RESPONSE> <REASON>User not found</REASON> </WHOSOFF>	

<b>Result</b>	Failed
<b>Reason</b>	IP address disagrees with our records

```
<?xml version="1.0" encoding="UTF-8"?>
<WHOSOFF>
  <RESPONSE>FAILED</RESPONSE>
  <REASON>Failed Host</REASON>
</WHOSOFF>
```

## Explanation of Returned Data

Code	Type	Description
Process_Code	String	A = Approved P = Pending
StartDate	Date/Time	DD/M/YYYY HH:m (will return 00:00 for a whole day request)
EndDate	Date/Time	DD/M/YYYY HH:m (will return 00:00 for a whole day request)
Leave_Code	String	Leave code
Leave_Name	String	Leave Name
Leave_Colour	String	Leave colour (Hex Triplet)
Allowance_Type	String	Staff allowance type DAYS or HOURS
Duration_Period	Float	Duration in days (defaults to 1 if hours requested)
Leave_Period	Float	Allowance time taken
Working_Period	Float	Working time
Half_Day_Flag	String	Half day requested AM/PM or NO
Staff_Code	String	Staff code
Staff_First_Name	String	Staff first name
Staff_Last_Name	String	Staff last name
Staff_Email_Address	String	Staff Email / username
Department_Name	String	Department of staff member
Approver_Code	String	Approver for staff members code
Approver_First_Name	String	Approvers first name
Approver_Last_Name	String	Approvers last name
User_Notes	String	Staff users notes for request
Approver_Notes	String	Approvers notes for request
Staff_Approvers (v1.1)	String	Comma separated approvers emails address (approver,second notifier,third notifier) Staff with no 2nd or 3 <sup>rd</sup> notifiers will result with blank separated commas