

WorkSchedule.Net v9 API (Beta) Developer Help Documentation

Overview: The WorkSchedule.Net API enables programmatic functionality and the interchange of data with third party software applications.

To get started, you need the following:

- An active WorkSchedule.Net company account.
- An active user account within that company account with permissions to access the API (see the Roles topic in the Help Documentation). We recommend using a single dedicated user and role for API purposes.

You can then start making HTTPS calls using the provided definitions.

Supported Formats: The WorkSchedule.Net API supports the input and output of JSON.

Base URL (Endpoint): <https://api.workschedule.app/>

Obtaining access and authorization: To access the API methods, you must first obtain a session API key and password. To do that, you will access the “StartAPISession” method by appending “StartAPISession” to the base URL (<https://api.workschedule.app/>) followed by a “?”, and then the following key-value pairs as URL parameters separated by a ‘&’ in the API query string:

- “CompanyID=” + *your CompanyID*
- “UserName=” + *the username of the API-designated user account*
- “Passcode=” + *the password of the API-designated user account*

Example Request URL:

<https://api.workschedule.app/StartAPISession?CompanyID=12345&UserName=APIUser&Passcode=12345689ab%23>

Sample JSON Response:

```
{
  "SessionError": "0",
  "SessionInformation": {
    "SessionID": 11093,
    "SessionPassword": "2109769271"
  }
}
```

Use the provided SessionID and Session Password (abbreviated as “SP”) in the query parameters during each HTTP API Call

<https://api.workschedule.app> ... [?SessionID=11093&SP=2109709271](https://api.workschedule.app/?SessionID=11093&SP=2109709271)

Supported Methods: The WorkSchedule.Net API supports REST-standard methods GET, POST, PUT and DELETE.

URL Format:

Base API Call URL: All API calls begin with the base URL

Example: <https://api.workschedule.app/>

Entity Call: Append the entity after the base URL

Example: <https://api.workschedule.app/User>

Entity Parameters: Append any entity lookup value(s) after the entity

Example: <https://api.workschedule.app/User/1>

Authentication: Use a '?' after the base URL, entity, and entity params to designate the parameters in the authentication portion of the URL. Input the SessionID and Session Password you received from StartAPISession here using 'SessionID=' and 'SP='. Be sure to separate each with a '&'.

Example Request URL:

<https://api.workschedule.app/User/1?SessionID=12345&SP=1234567890123>

Header Key/Value Pairs: Header key/value pairs are used to specify the property of the entity that you are providing as a unique key, for functions that accept a unique key to lookup the entity. Typically, this is an internal identifier or an external identifier for the entity.

- Use “Lookup-Key” as the key and the lookup property name as the value
- *Example:* “Lookup-Key: TimeBlockID”

Supported Entities:

- User
- Timeblock
- CategoryItem

Encoding

Special characters should be encoded properly in the query parameters

Date and Time Format

All dates and times are provided in ISO-8601 format in responses. We only officially support ISO-8601 in requests, though the API may adjust to other formats if you do not provide dates and times in ISO-8601 format.

Local Time / Time Zone Translation

Dates and times are interpreted as local to the Time Zone “Location” of the Default View of the API user. This applies to both sending dates and times to the API and retrieving them from the API. (See the Views topic of the Help Documentation for more information)

No time zone translation is performed for the Start Date and End Date of Time Off Account category items, as they are time zone agnostic.

API Documentation Notes

An asterisk (*) next to a property or parameter indicates that it is required.

Generally, request text is in blue and response text is in red.

API Methods

The documentation for the methods of each entity is linked below:

[USER ENTITY](#)

[TIMEBLOCK ENTITY](#)

[CATEGORYITEM ENTITY](#)