

TIMEBLOCK ENTITY

Intro to Timeblock Entity

The Timeblock entity methods give access to retrieving, adding, modifying, and deleting time blocks (shifts and time off blocks) within the company account in both the Schedule and Attendance areas. Access to templates is not currently supported.

Header Key/Value Pairs

- The “Lookup-Key” value should be one of two values: “ExternalID” or “TimeBlockID”. This specifies which property value you want to use to look up an entity, in cases where you are accessing a single entity.
- If no Lookup-Key pair exists, or it does but the value matches neither option above, the API will assume a Lookup-Key of “ExternalID”
- These apply to GET, PUT, and DELETE when a specific entity is specified.

- The “Calendar-Key” value should be one of two values: “CalendarID” or “CalendarName”. This specifies which property value you want to use to reference the desired calendar (Attendance vs Schedule)
- If no Calendar-Key pair exists, or it does but the value matches neither option above, the API will assume a Calendar-Key of “CalendarName”

Query Parameters (URL structure)

URL Structure:

[https://api.workschedule.app/Timeblock/\[CalendarName or CalendarID\]/\[TimeBlockID or ExternalID\]](https://api.workschedule.app/Timeblock/[CalendarName or CalendarID]/[TimeBlockID or ExternalID])

- CalendarName or CalendarID* (*required*)
 - If using the name of the calendar
 - Use “Schedule” or “Attendance”
 - If using the CalendarID
 - 1 = Schedule, 7 = Attendance

- TimeBlockID or ExternalID (*the lookup value*)
 - Specify the lookup value for the property (TimeBlockID or ExternalID) that you chose in the header key/value pair for “Lookup-Key”
 - If excluded, all time blocks will be retrieved for the specified Calendar within the date range specified in the HTTPS body when using the GET verb.
 - Required with verbs PUT and DELETE

VERB: GET

Sample URL #1

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

JSON Parameters #1 (*Date range is required if no lookup value is specified*)

- StartTime
- EndTime

Sample JSON Response #1

```
{
  "ErrorCode": 0,
  "ErrorMessage": "Success",
  "ItemResponses": "[]",
  "Items": [
    {
      "Color": "FFCC99",
      "UserID": "1",
      "EndTime": " 2023-12-27T17:01:00.0000000",
      "Notes": "",
      "TimeBlockID": "49168",
      "StartTime": " 2023-12-27T09:00:00.0000000",
      "CategoryItems": [
        {
          "Color": "",
          "Name": "Main",
          "CatNo": "1",
          "CatItemID": "1",
          "CategoryName": "Location"
        }
      ]
    }
  ]
}
```

```

    ],
    "EmployeeName": "Mya Collins",
    "TimeOnOff": "On"
  },
  {
    "Color": "FFCC99",
    "EndTime": " 2023-12-27T17:00:00.0000000",
    "Notes": "",
    "TimeBlockID": "49175",
    "StartTime": " 2023-12-27T09:00:00.0000000",
    "CategoryItems": [
      {
        "Color": "E0E0E0",
        "Name": "Main",
        "CatNo": "1",
        "CatItemID": "1",
        "CategoryName": "Location"
      }
    ],
    "EmployeeName": "OPEN",
    "TimeOnOff": "On"
  },
  {
    "UserID": "1",
    "EndTime": "2023-12-28T17:00:00.0000000",
    "Notes": "",
    "TimeBlockID": "49176",
    "StartTime": "2023-12-28T09:00:00.0000000",
    "CategoryItems": [
      {
        "Color": "",
        "Name": "Main",
        "CatNo": "1",
        "CatItemID": "1",
        "CategoryName": "Location"
      }
    ],
    "EmployeeName": "Mya Collins",
    "TimeOnOff": "On"
  }
]
}

```

Sample URL #2

<https://api.workschedule.app/TimeBlock/Schedule/49176?SessionID=12345&SP=1234567890123>

Sample JSON Response #2

```
{
  "ErrorCode": 0,
  "ErrorMessage": "Success",
  "ItemResponses": "[]",
  "Items": [
    {
      "UserID": "1",
      "EndTime": "2023-12-28T17:00:00.0000000",
      "Notes": "",
      "TimeBlockID": "49176",
      "StartTime": "2023-12-28T09:00:00.0000000",
      "CategoryItems": [
        {
          "Color": "",
          "Name": "Main",
          "CatNo": "1",
          "CatItemID": "1",
          "CategoryName": "Location"
        }
      ],
      "EmployeeName": "Mya Collins",
      "TimeOnOff": "On"
    }
  ]
}
```

VERB: POST

○ JSON Parameters

- UserID*

A UserID of "0" indicates an open time block

- ExternalID
- StartTime*
- EndTime*
- Notes
- Color
- Category Items

- Specify the Category name as the key of the JSON pair followed by the Category Item ID as the value.

Sample URL

<https://api.workschedule.app/TimeBlock/Attendance?SessionID=12345&SP=123456789012>

Sample JSON Request

```
{  
  
  "UserID": "0",  
  "EndTime": "2023-12-28T22:32:00.0000000",  
  "StartTime": "2023-12-28T22:32:00.0000000",  
  "CategoryItems":  
    {"Location": "1",  
     "Area": "11"  
    }  
  
}
```

Sample JSON Response

```
{  
  "ErrorCode": 0,  
  "ErrorMessage": "Success",  
  "ItemResponses": null,  
  "Items": []  
}
```

VERB: PUT

JSON Parameters

- UserID
 - A UserID of "0" indicates an open time block*
- ExternalID
- StartTime
- EndTime
- StartDayNo
- Notes

- Color
- Category Items
 - Specify the Category name as the key of the JSON pair followed by the Category Item ID as the value.

Sample URL

<https://api.workschedule.app/TimeBlock/Schedule/88?SessionID=12345&SP=1234567890123>

Sample JSON Request

```
{  
  "UserID": "3",  
  "Notes": "Updated Notes"  
}
```

Sample JSON Response

```
{  
  "ErrorCode": 0,  
  "ErrorMessage": "Success",  
  "ItemResponses": null,  
  "Items": []  
}
```

VERB DELETE

Sample URL

<https://api.workschedule.app/TimeBlock/1/55?&SessionID=12345&SP=1234567890123>

Sample JSON Response

```
{  
  "ErrorCode": 0,  
  "ErrorMessage": "Success",  
  "ItemResponses": null,  
  "Items": []  
}
```