Attendance

20/06/2025 11:52 am BST

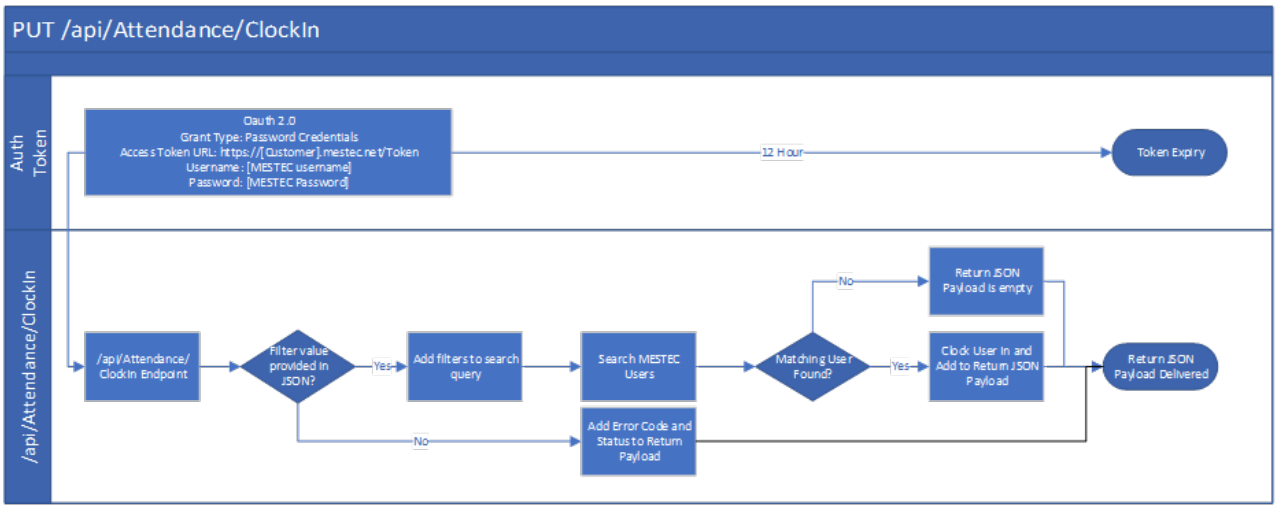
Attendance

Tags: API

ClockIn

The ClockIn API call is used to Clock In a user. This call will inform Eyelit MES-M that a user is now clocked in and available for work. The Clock In time will be the system time when the request was received.

Figure 1 - Logic within Attendance-ClockIn API Call



Data Prerequisites

To clock a user in to Eyelit MES-M the user must already exist.

Request

Table 1 shows the method and endpoint required to make the API call to Clock In a user.

Table 1 - Outbound Message Detail for Attendance-ClockIn

Method	URL Structure	Endpoint
PUT	https://[environment].mestec.net	/api/Attendance/ClockIn

The body of the payload should follow the format below.

JSON structure for Attendance-ClockIn

```
{
  "username": "string",
}
```

See Table 2 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit

See Table 2 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 2 - Parameter Information for Attendance-ClockIn

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
UserName	useraccount.username	VARCHAR2(50)	Yes	No	Exact

Sample Request

See below for sample use cases with examples of the JSON payload format required.

To Clock a user into Eyelit MES-M.

JSON Sample for Attendance-ClockIn request

```
{
  "username": "User1",
}
```

Response

When using the Attendance-ClockIn API call, if user is clocked in Eyelit MES-M , a JSON payload will be returned containing data in the following structure:

JSON structure for Attendance-ClockIn Response

```
{
  "id": 0,
  "username": "string",
  "type": "string",
  "in": "2025-06-12T09:01:31.961Z",
  "out": "2025-06-12T09:01:31.961Z",
  "team": "string",
  "shiftID": 0,
  "comments": "string",
}
```

Sample Response

See below for sample use cases with examples of the JSON payload format returned.

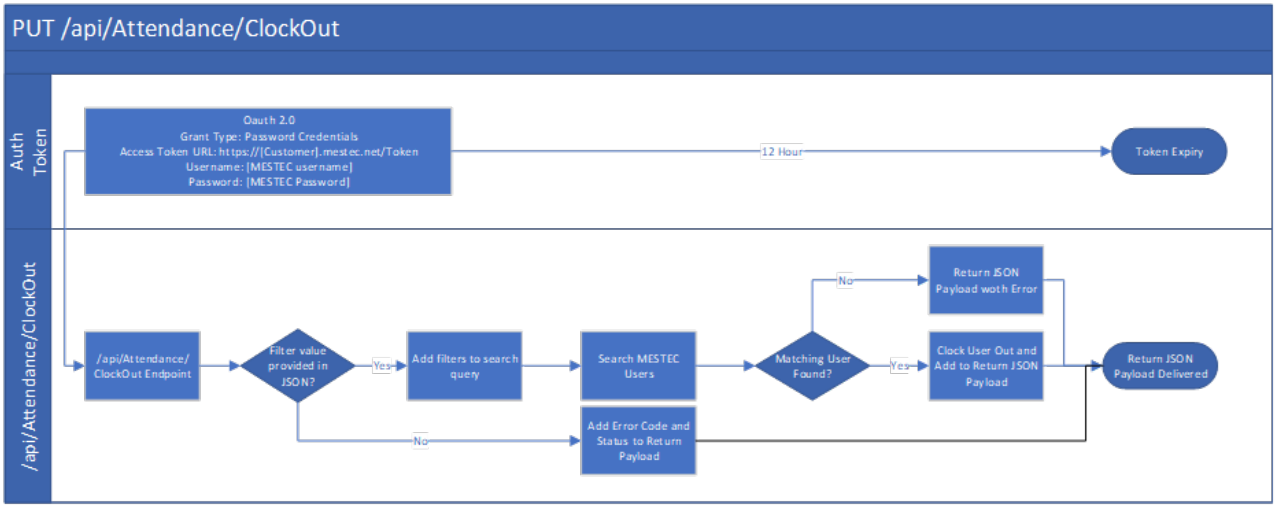
Sample JSON response for Attendance-ClockIn

```
{
  "id": 108346,
  "username": "User1",
  "type": "Working",
  "in": "2025-06-12T11:52:21.182413Z",
  "team": "Production",
  "shiftID": 13716,
  "comments": "",
}
```

ClockOut

The Attendance-ClockOut API call is used to Clock a user out of Eyelit MES-M. This call will inform Eyelit MES-M that a user is now clocked Out and no longer available for work. The Clock Out time will be the system time when the request was received.

Figure 2 - Logic within Attendance-ClockOut API Call



Data Prerequisites

To clock a user Out of Eyelit MES-M the user must already exist.

Request

Table 3 shows the method and endpoint required to make the API call to Clock Out a user.

Table 3 - Outbound Message Detail for Attendance-ClockOut

Method	URL Structure	Endpoint
PUT	https://[environment].mestec.net	/api/Attendance/ClockOut

The body of the payload should follow the format below.

```
{
  "username": "string",
}
```

Table 4- Parameter Information for Attendance-ClockOut

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
UserName	useraccount.username	VARCHAR2(50)	Yes	No	Exact

Sample Request

See below for sample use cases with examples of the JSON payload format required.

To Clock a user Out of Eyelit MES-M:

JSON Sample for Attendance-ClockOut request

```
{
  "username": "User1",
}
```

Response

When using the Attendance-ClockOut API call, if user is clocked out in Eyelit MES-M, a JSON payload will be returned containing data in the following structure:

JSON structure for ClockOut Response


```
[
  {
    "id": 0,
    "username": "string",
    "type": "string",
    "in": "2024-07-09T20:47:22.355Z",
    "out": "2024-07-09T20:47:22.355Z",
    "team": "string",
    "shiftid": 0,
    "comments": "string"
  }
]
```


Sample Response

See below for sample use cases with examples of the JSON payload format returned.

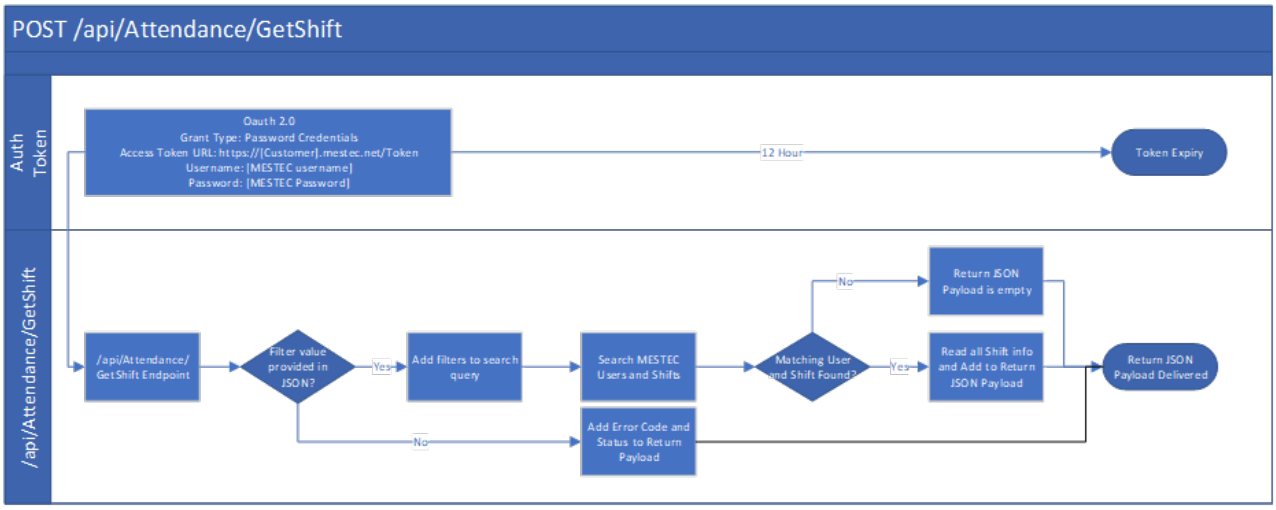
Sample JSON response for successful ClockOut


```
{
  "id": 108346,
  "username": "User1",
  "type": "Working",
  "in": "2025-06-12T11:52:21.182413Z",
  "out": "2025-06-12T13:01:31.964Z",
  "team": "Production",
  "shiftID": 13716,
  "comments": "",
}
```


GetShift

The Attendance-GetShift API call is used find the shift information for a user during a specified timeframe. This call will return the shift(s) ID and name a user was clocked in during the specified timeframe.

Figure 3 - Logic within Attendance-GetShift API Call



Data Prerequisites

The user must exist in Eyelit MES-M.

Request

Table 5 shows the method and endpoint required to make the API call to Attendance-GetShift

Table 5 - Outbound Message Detail for Attendance-GetShift

Method	URL Structure	Endpoint
POST	https://[environment].mestec.net	/api/Attendance/GetShift

The body of the payload should follow the format below.

```
[
  {
    "username": "string",
    "in": "2024-07-09T20:47:22.355Z",
    "out": "2024-07-09T20:47:22.355Z"
  }
]
```

“in” and “out” should be in the format: “YYYY-MM-DDTHH: mm:ss.0000Z”, where:

- YYYY is the year
- MM is the month
- DD is the day
- HH is the hour
- mm is minutes
- ss is seconds

Example: “2024-07-16T11:27:57.946Z”

See Table 6 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 6 - Parameter Information for Attendance-GetShift

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
UserName	Useraccount.name	VARCHAR2(50)	Yes	No	Exact
in	N/A		Yes	N/A	N/A
out	N/A		Yes	N/A	N/A

Sample Request

See below for sample use cases with examples of the JSON payload format required.

To request shift information.

JSON Sample for Attendance-GetShift request

```
[
  {
    "username": "User1",
    "in": "2025-06-11T16:10:08.370576Z",
    "out": "2025-06-11T17:10:08.370576Z"
  }
]
```

Response

When using the Attendance-GetShift API call , if any data has been found in Eyelit MES-M that meets the parameter values passed in the original payload, a JSON payload will be returned containing data in the following structure:

Format for Attendance-GetShift response

```
[
  {
    "id": 0,
    "name": "string"
  }
]
```

Where “ID” will be the shift id and “Name” will be the name of the shift.

Sample Response

Sample JSON response for successful Attendance-GetShift request

```
[
  {
    "id": 13714,
    "name": "24 hour - 24 Hours (10-JUN-2025)"
  },
  {
    "id": 13715,
    "name": "24 hour - 24 Hours (10-JUN-2025)"
  }
]
```

Delete

The Attendance-Delete API call is used to delete an existing attendance log. This API has been superseded by the Attendance-ClockIn and Attendance-ClockOut APIs.