Work Centre 8.7.0 - 9.0.x

24/10/2025 2:16 pm BST

Work Centre

Tags: API

Versions

Versions this documentation is relevant for:

- *8.7.0 - 9.0.x: This document*
- *9.1.0+*

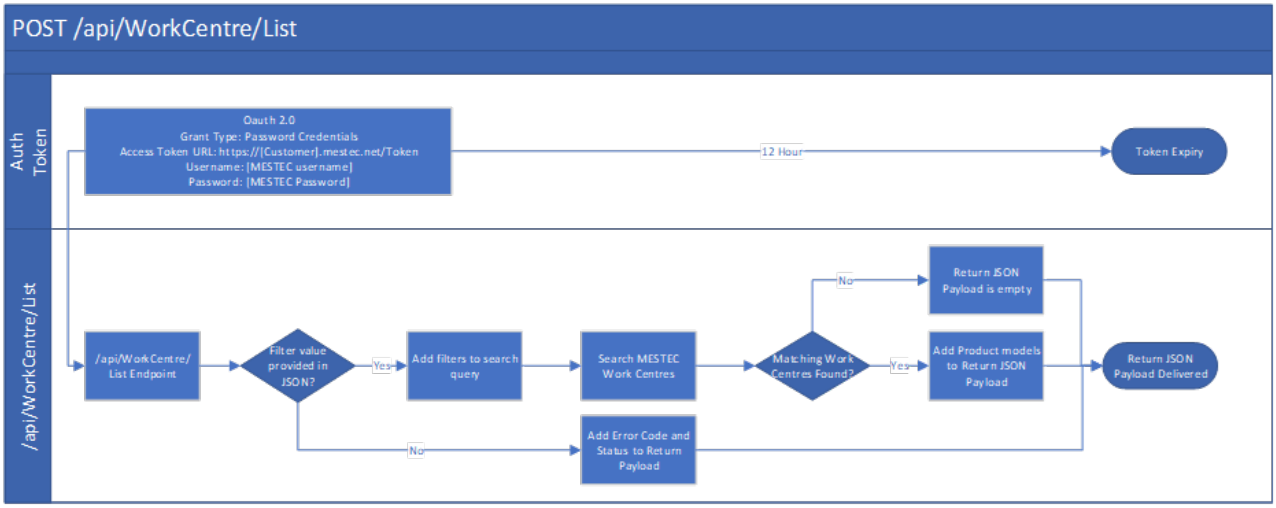
List

The Work Centre – List API call reads existing Work Centres from Eyelit MES-M. The data can be filtered based on the parameters passed in the body/payload of the JSON packet giving the flexibility to search for one or multiple Work Centre Groups.

Using the Work Centre– List API call has no impact on the data within the given Eyelit MES-M application, it is read-only.

Figure 1 shows the logic used within the Work Centre – List API call.

Figure 1 - Logic within Work Centre/List API Call



Prerequisites

There is no data required in Eyelit MES-M to act as a pre-requisite to make the API call to list Work Centres. If parameters are passed in through the body that return no valid results, an empty payload will be returned.

Request

Table 1 shows the method and endpoint required to make the API call to list Work Centre.

Table 1 - Outbound Message Detail for Work Centre - List4

Method	URL Structure	Endpoint
POST	https://[environment].mestec.net	/api/WorkCentre/List

The body of the payload should follow the format below.

```
{
  "id": 0,
  "name": "string",
  "suid": "string",
  "workcentregroup": "string"
}
```

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 Work Centre - List

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
ID	Work Centre.id	NUMBER	No	N/A	Exact
Name	Work Centre.name	VARCHAR2(250 BYTE)	No	No	Exact
SUID	Work Centre.suid	VARCHAR2(250 BYTE)	No	No	Exact
WorkcentreGroup	Work Centregroup.name	VARCHAR2(250 BYTE)	No		

Note: For any fields where the match type is 'Like', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

Sample Request

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

To list Work Centre where the name is 'Controlled':

```
{
  "name": "Controlled"
}
```

Response

When using the Work Centre – List 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:

```
[
  {
    "id": 0,
    "workCentreGroup": "string",
    "assetType": "string",
    "area": "string",
    "suid": "string",
    "name": "string",
    "description": "string",
    "costPerHour": 0,
    "labourCostPerHour": 0,
    "workPattern": "string",
    "capacity": 0,
    "plannedEfficiency": 0,
    "shiftConstraint": "string",
    "allowConcurrentWork": true,
    "canRunUnattended": true,
    "assetTracking": true,
    "isActive": true
  }
]
```


Sample Response

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

No results were found that matched given parameters:


```
[

]
```


Work Centre found that matched given parameters:

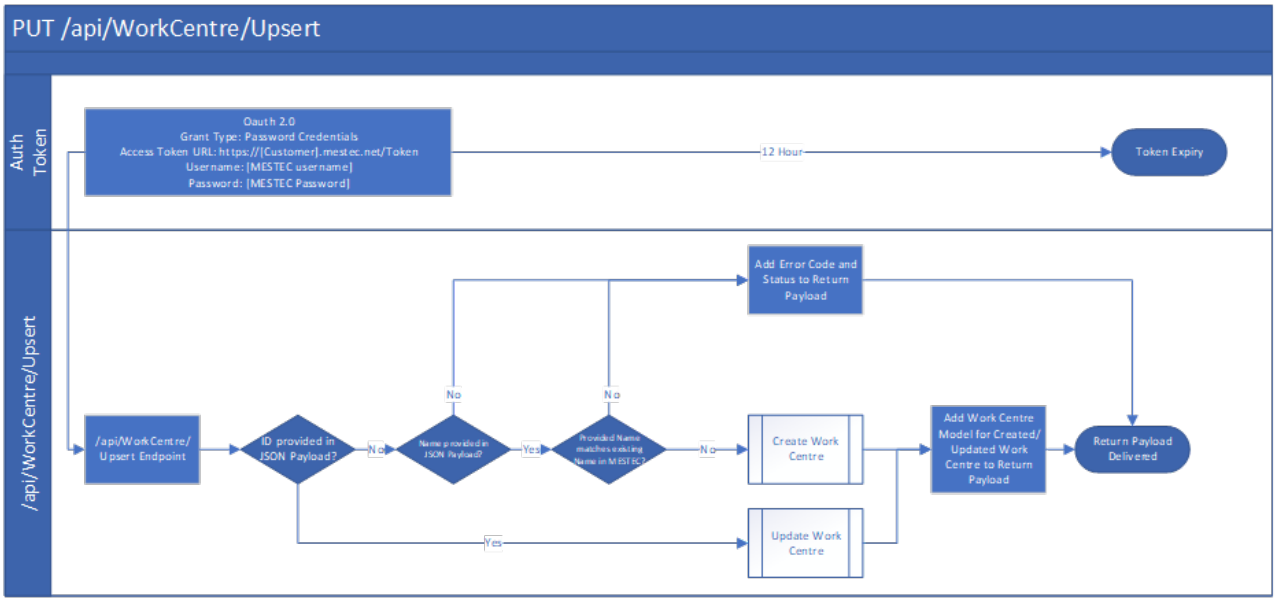

```
[
  {
    "id": 1234,
    "workCentreGroup": "Controlled",
    "assetType": "Molding Machine",
    "area": "Area A",
    "suid": "WC001",
    "name": "Molding Machine 1",
    "description": "Molding Machine 1 - Imported from ERP",
    "costPerHour": 120,
    "labourCostPerHour": 80,
    "workPattern": "24h",
    "capacity": 1,
    "plannedEfficiency": 1,
    "shiftConstraint": "None",
    "allowConcurrentWork": true,
    "canRunUnattended": true,
    "assetTracking": true,
    "isActive": true
  }
]
```


Upsert

The Work Centre – Upsert API call checks if a Work Centre with the given ID already exists. If it does, appropriate fields are updated in the matching Work Centre in Eyelit MES-M. If the ID value is omitted, a new Work Centre will be created.

Figure 2 shows the logic used within the Work Centre – Upsert API call

Figure 2- Logic within Work Centre/Upsert API Call



Prerequisites

When creating or updating a Work Centre, the following entities must already exist in Eyelit MES-M in order to be referenced.

- Work Centre Type
- Ownership Type
- Currency
- Unit of Measure (Base Unit)
- Location
- Receipt Profile
- Receipt Recipe
- Serial Range

Request

Table 3 shows the method and endpoint required to make the API call to list Work Centre.

Table 3 - Outbound Message Detail for Work Centre - Upsert

Method	URL Structure	Endpoint
PUT	https://[environment].mestec.net	/api/WorkCentre/Upsert

The body of the payload should follow the format below.

```
{
  "id": 0,
  "workCentreGroup": "string",
  "assetType": "string",
  "area": "string",
  "suid": "string",
  "name": "string",
  "description": "string",
  "costPerHour": 0,
  "labourCostPerHour": 0,
  "workPattern": "string",
  "capacity": 0,
  "plannedEfficiency": 0,
  "shiftConstraint": "string",
  "createDevice": true,
  "allowConcurrentWork": true,
  "canRunUnattended": true,
  "assetTracking": true,
  "isActive": true
}
```


See Table 4 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 4 - Parameter Information for Work Centre - Upsert

Parameter Name	Data Mapping	Data Type	Mandatory		Case Sensitive	Match Type
			Create	Update		
ID	Workcentre.id	NUMBER	N/A	No5	N/A	Exact
WorkCentreGroup	Workcentregroup.name	VARCHAR2(500 BYTE)	Yes	No	No	Exact
assetType	Assettype.name	VARCHAR2(30 BYTE)	Yes	No	No	Exact
area	Area.name	VARCHAR2(100 BYTE)	Yes	No	No	Exact
suid	Workcentre.suid	VARCHAR2(200 BYTE)	No	No	N/A	N/A
name	Workcentre.name	VARCHAR2(500 BYTE)	Yes	No	N/A	N/A
description	Workcentre.description	VARCHAR2(2000 BYTE)	No	No	N/A	N/A
costPerHour	Workcentre.defaultcostperhour	NUMBER(10,2)	No	No	N/A	N/A
labourCostPerHour	Workcentre.labourcostperhour	NUMBER(10,2)	No	No	N/A	N/A
workPattern	Workpattern.name	VARCHAR2(30 BYTE)	Yes	No	No	Exact
capacity	Schedulingresource.capacity	NUMBER	Yes	No	N/A	N/A
plannedEfficiency	workcentre.plannedefficiency	NUMBER(10,2)	Yes	No	N/A	N/A
shiftConstraint	Shiftconstrainttype.name	VARCHAR2(30 BYTE)	Yes	No	No	Exact
createDevice	N/A	BOOL	Yes	No	N/A	N/A
allowConcurrentWork	Workcentre.allowconcurrentwork	BOOL	Yes	No	N/A	N/A
canRunUnattended	Workcentre.canrununattended	BOOL	Yes	No	N/A	N/A

assetTracking	Workcentre.trackassetstatus	BOOL	Yes	No	N/A	N/A
isActive	Workcentre.isactive	BOOL	Yes	No	N/A	N/A

Note: For any fields where the match type is 'Like ', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

Sample Request


```
{
  "id": 1234,
  "workCentreGroup": "Controlled Molding Group",
  "assetType": "Molding Machine",
  "area": "Area A",
  "suid": "WC001",
  "name": "Molding Machine 1",
  "description": "Molding Machine 1 - Imported from ERP",
  "costPerHour": 120,
  "labourCostPerHour": 80,
  "workPattern": "24h",
  "capacity": 1,
  "plannedEfficiency": 1,
  "shiftConstraint": "None",
  "createDevice": true,
  "allowConcurrentWork": true,
  "canRunUnattended": true,
  "assetTracking": true,
  "isActive": true
}
```


Response

When using the Work Centre – Upsert API call, if a Work Centre has been created or updated, a JSON payload will be returned containing data in the following structure:


```
{
  "id": 0,
  "workCentreGroup": "string",
  "assetType": "string",
  "area": "string",
  "suid": "string",
  "name": "string",
  "description": "string",
  "costPerHour": 0,
  "labourCostPerHour": 0,
  "workPattern": "string",
  "capacity": 0,
  "plannedEfficiency": 0,
  "shiftConstraint": "string",
  "allowConcurrentWork": true,
  "canRunUnattended": true,
  "assetTracking": true,
  "isActive": true
}
```


Sample Response

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

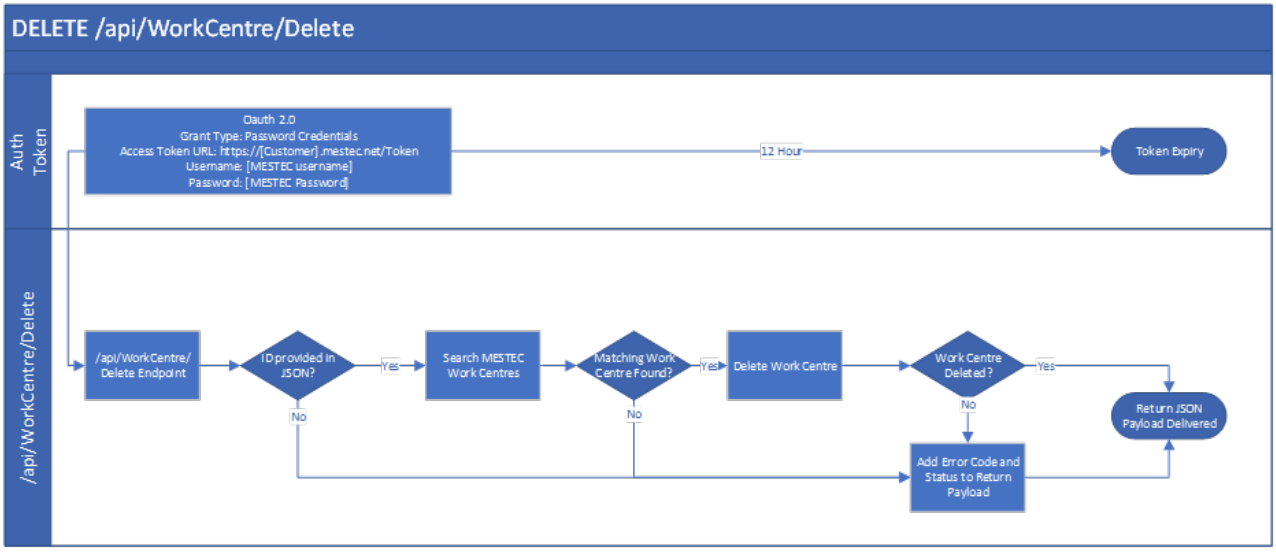
```
[
  {
    "id": 1234,
    "workCentreGroup": "Controlled Molding Group",
    "assetType": "Molding Machine",
    "area": "Area A",
    "suid": "WC001",
    "name": "Molding Machine 1",
    "description": "Molding Machine 1 - Imported from ERP",
    "costPerHour": 120,
    "labourCostPerHour": 80,
    "workPattern": "24h",
    "capacity": 1,
    "plannedEfficiency": 1,
    "shiftConstraint": "None",
    "allowConcurrentWork": true,
    "canRunUnattended": true,
    "assetTracking": true,
    "isActive": true
  }
]
```


Delete

The Work Centre – Delete API call attempts to delete a Work Centre. A Work Centre can only be deleted if it has not been used in Eyelit MES-M.

Figure 3 shows the logic used within the Work Centre – Delete API call.

Figure 3 - Logic within Work Centre/Delete API Call



Prerequisites

In order to delete a Work Centre, the Work Centre must exist in Eyelit MES-M. The Work Centre have not been used and not be referenced against any other entities.

Request

Table 5 shows the method and endpoint required to make the API call to list Work Centre Groups.

Table 5 - Outbound Message Detail for Work Centre - Delete

Method	URL Structure	Endpoint
DELETE	https://[environment].mestec.net	/api/Work Centre/Delete

The body of the payload should follow the format below.

```
{
  "id": 0
}
```

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 Work Centre - Delete

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
ID	WorkCentre.id	NUMBER	Yes	N/A	Exact

Note: For any fields where the match type is 'Like', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

Sample Request

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

Delete by ID

```
{
  "id": 28
}
```

Response

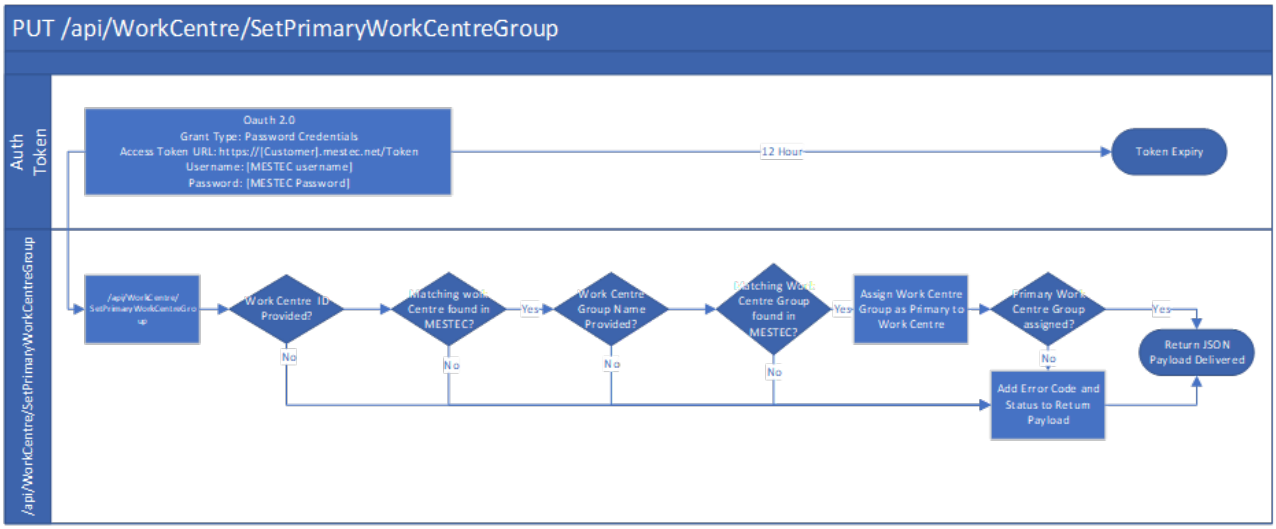
When using the Work Centre – Delete API call, if a Work Centre has been deleted a 200 response will be returned.

SetPrimaryWorkCentreGroup

The Work Centre – SetPrimaryWorkCentreGroup API call attempts to assign the given Work Centre Group as primary for this Work Centre

Figure 4 shows the logic used within the Work Centre– SetPrimaryWorkCentreGroup API call.

Figure 4 - Logic within Work Centre - SetPrimaryWorkCentreGroup API Call



Prerequisites

When assigning a Work CentreGroup as primary workcentre to a Work Centre, both the Work Centre and Work Centre Group must exist in Eyelit MES-M.

Request

Table 7 shows the method and endpoint required to make the API call to SetPrimaryWorkCentreGroup.

Table 7 - Outbound Message Detail for Work Centre - SetPrimaryWorkCentreGroup

Method	URL Structure	Endpoint
PUT	https://[environment].mestec.net	/api/WorkCentre/ SetPrimaryWorkCentreGroup

The body of the payload should follow the format below.

```
{
  "id": 0,
  "workCentresGroup": "string"

}
```

See Table 8 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES-M.

Table 8 - Parameter Information for Work Centre - SetPrimaryWorkCentreGroup

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
id	WorkCentre.id	NUMBER	Yes	No	Exact
WorkCentresGroup	WorkCentregroup.name	VARCHAR2(500 BYTE)	Yes	No	Exact

Note: For any fields where the match type is 'Like', a percent symbol should be used as a wildcard character to indicate a number of characters within the given string.

Sample Request

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


```
{
  "id": 1234,
  "workCentreGroup": "Molding Machine 1"
}
```


Response

When using the Work Centre– SetPrimaryWorkCentreGroup API call, if a Work Centre Group has been set as primary work centre to Work Centre , a JSON payload will be returned containing data in the following structure

Sample Response

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


```
[

  {
    "id": 1234,
    "workCentreGroup": " Molding Machine 1",
    "assetType": "Molding Machine",
    "area": "Area A",
    "suid": "WC001",
    "name": "Molding Machine 1",
    "description": "Molding Machine 1 - Imported from ERP",
    "costPerHour": 120,
    "labourCostPerHour": 80,
    "workPattern": "24h",
    "capacity": 1,
    "plannedEfficiency": 1,
    "shiftConstraint": "None",
    "allowConcurrentWork": true,
    "canRunUnattended": true,
    "assetTracking": true,
    "isActive": true
  }

]
```