Skill

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Tags: Skill
API

Versions

Versions this documentation is relevant for:

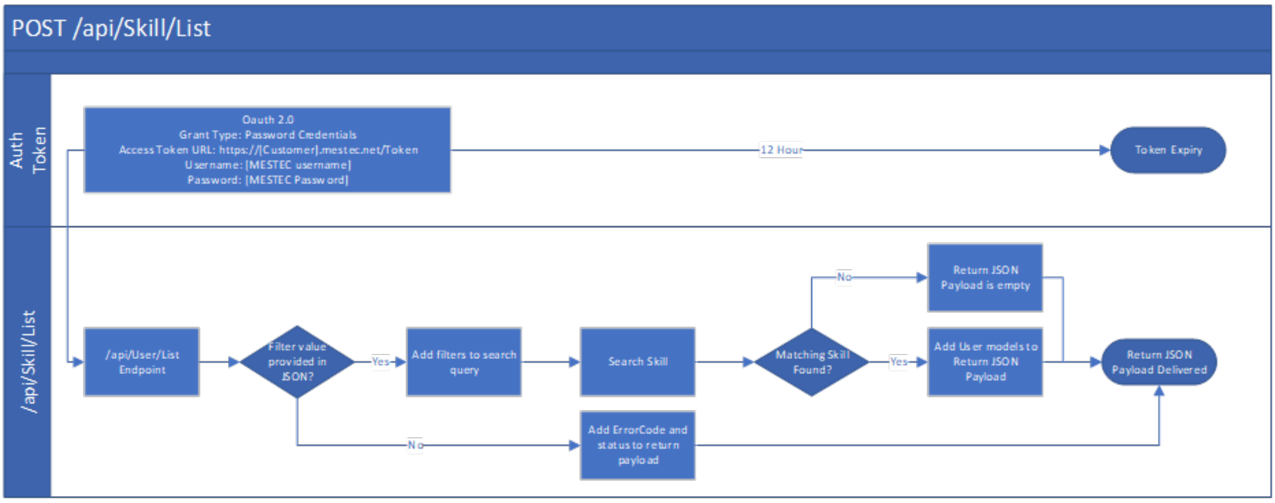
- *8.7.0+*

List

The Skill – List API call reads existing Users from Eyelit MES. The data can be filtered based on the parameters passed in the body of the JSON packet giving the flexibility to search for one or multiple Users.

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

Figure 1 - Logic within SKill-List API Call


POST /api/Skill/List
Auth Token
Oauth 2.0
Grant Type: Password Credentials
Access Token URL: https://[Customer].mestec.net/Token
Username: [MESTEC username]
Password: [MESTEC Password]
12 Hour
Token Expiry
/api/Skill/List
/api/User/List Endpoint
Filter value provided in JSON?
Yes
Add filters to search query
Search Skill
Matching Skill Found?
No
Return JSON Payload is empty
Yes
Add User models to Return JSON Payload
Return JSON Payload Delivered
No
Add ErrorCode and status to return payload

Data Prerequisites

There is no data required in Eyelit MES to act as a pre-requisite to make the API call to list Skill, although to be able to call the Public API, a Skill must exist in the given Eyelit MES environment. It is, therefore, not possible to receive an empty payload in response when calling this endpoint.

Request

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

Table 1 - Outbound Message Detail for Skill - List

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

The body of the payload should follow the format below:

```
{
  "id": 0,
  "name": "string",
  "isActive": true
}
```

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

Table 2 - Parameter Information for Skill- List1

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
ID	skill.id	NUMBER	No	N/A	Exact
name	Skill.name	VARCHAR2(50 BYTE)	No	No	Exact
isActive	Skill.isActive	Number	No	No	Exact

Sample Request

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

To list Skill where the skill is equal to ‘QA test:

```
{
  "name": "QA test"
}
```

Response

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

```
[
  {
    "id": 0,
    "name": "string",
    "description": "string",
    "skillType": "string",
    "isActive": true,
    "users": [
      {
        "id": 0 ,
        "username": "string",
        "dateAdded": "2025-06-12T09:01:32.269Z",
        "dateLastUsed": "2025-06-12T09:01:32.269Z",
        "dateExpires": "2025-06-12T09:01:32.269Z"
      }
    ]
  }
]
```

Sample Response

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

No results were found that matched given parameters:

```
{
```

```
`
}
```

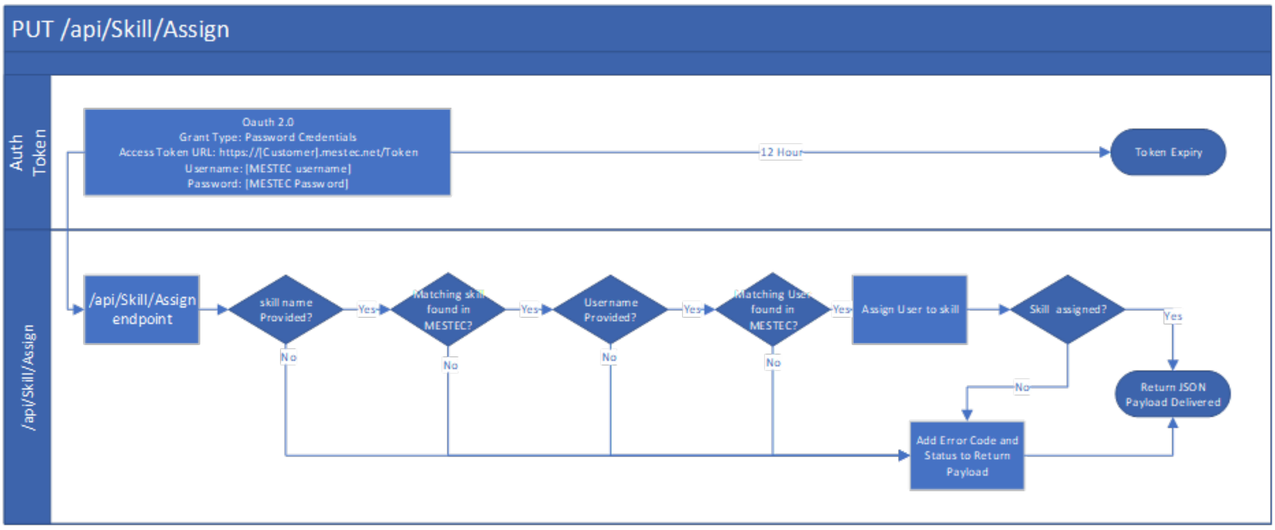
skill found that matched given parameters:

```
[
  {
    "id": 338,
    "name": "QA test",
    "description": "",
    "skillType": "System",
    "isActive": true,
    "users": [
      {
        "id": 17 ,
        "username": "User1",
        "dateAdded": "2025-06-12T09:01:32.269Z",
        "dateLastUsed": "2025-06-12T09:01:32.269Z",
        "dateExpires": "2025-06-12T09:01:32.269Z"
      },
      {
        "id": 165 ,
        "username": "User2",
        "dateAdded": "2025-06-12T09:01:32.269Z",
        "dateLastUsed": "2025-06-12T09:01:32.269Z",
        "dateExpires": "2025-06-12T09:01:32.269Z"
      }
    ]
  }
]
```

Assign

The Skill – Assign API call attempts to assign a User to a skill. Figure 2 shows the logic used within the skill – Assign API call.

Figure 2 - Logic within Skill-Assign API Call


PUT /api/Skill/Assign
Auth Token
/api/Skill/Assign
Oauth 2.0
Grant Type: Password Credentials
Access Token URL: https://[Customer].mestec.net/Token
Username: [MESTEC username]
Password: [MESTEC Password]
12 Hour
Token Expiry
/api/Skill/Assign endpoint
skill name Provided?
Yes
No
Matching skill found in MESTEC?
Yes
No
Username Provided?
Yes
No
Matching User found in MESTEC?
Yes
No
Assign User to skill
Skill assigned?
Yes
No
Return JSON Payload Delivered
Add Error Code and Status to Return Payload

Prerequisites

When assigning a User to a Skill, both the User and Skill must exist in Eyelit MES.

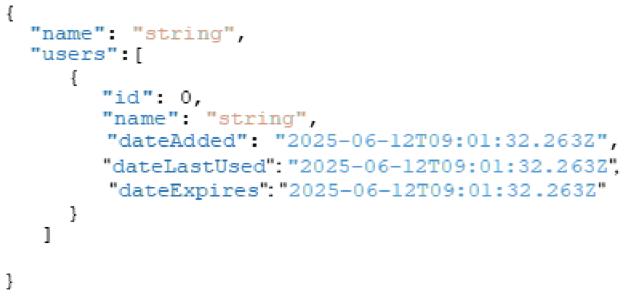
Request

Table 3 shows the method and endpoint required to make the API call to assign a User to a Skill.

Table 3 - Outbound Message Detail for Skill– Assign

Method	URL Structure	Endpoint
PUT	https://[environment].mestec.net	/api/Skill/Assign

The body of the payload should follow the format displayed below:



```
{
  "name": "string",
  "users":[
      {
         "id": 0,
         "name": "string",
         "dateAdded": "2025-06-12T09:01:32.263Z",
         "dateLastUsed":"2025-06-12T09:01:32.263Z",
          "dateExpires":"2025-06-12T09:01:32.263Z"
      }
    ]

}
```

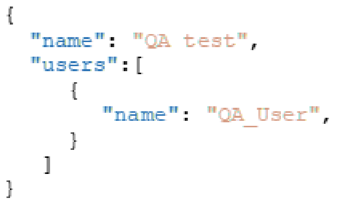
See Table 4 for information on which fields are optional, the appropriate data types and the mappings to fields in Eyelit MES.

Table 4 - Parameter Information for Skill – Assign

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
name	Skill.name	VARCHAR2(50)	Yes	No	Exact
User		JSON Array			
id	useraccount.id	Number	No	No	Exact
username	Useraccount.username	VARCHAR2(50)	Yes	No	Exact
dateAdded	User_skill.dateAdded	TIMESTAMP(6)	No	N/A	N/A
dateLastUsed	User_skill.dateLastUsed	TIMESTAMP(6)	No	N/A	
dateExpires	User_skill.dateExpires	TIMESTAMP(6)	No	N/A	

Sample Request

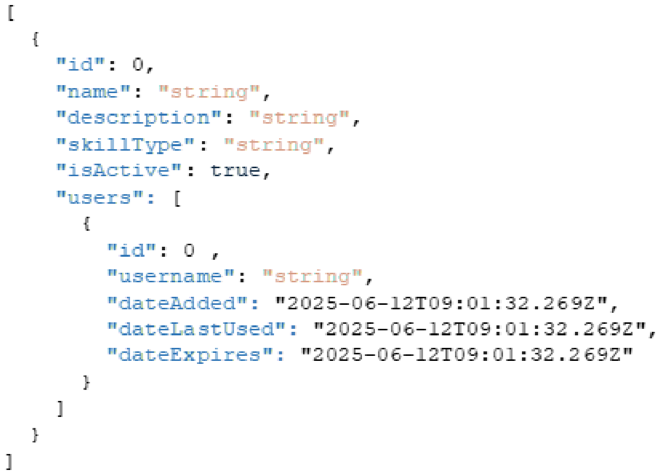
See below for a sample use case to assign a User to a skill. The sample provides an example of the JSON payload format required.



```
{
  "name": "QA test",
  "users":[
      {
         "name": "QA_User",
      }
    ]
}
```

Response

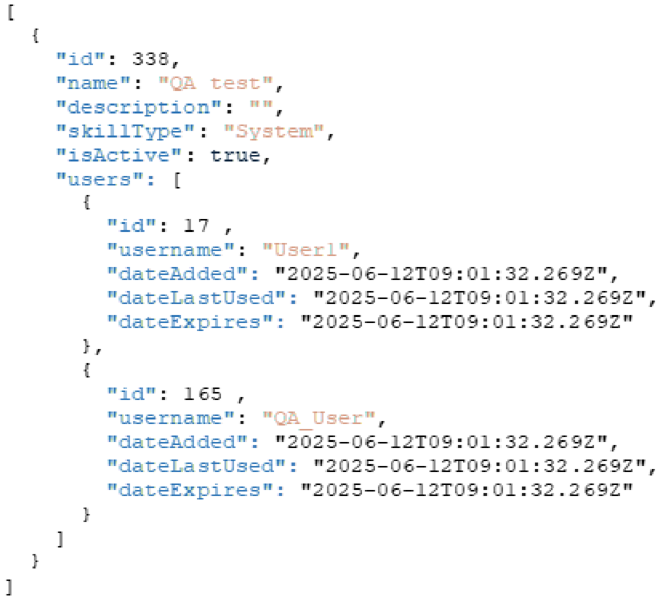
When using the Skill – Assign API call, if the User has been successfully assigned to the Skill, a JSON payload will be returned containing data in the following structure:



```
[
  {
    "id": 0,
    "name": "string",
    "description": "string",
    "skillType": "string",
    "isActive": true,
    "users": [
      {
        "id": 0 ,
        "username": "string",
        "dateAdded": "2025-06-12T09:01:32.269Z",
        "dateLastUsed": "2025-06-12T09:01:32.269Z",
        "dateExpires": "2025-06-12T09:01:32.269Z"
      }
    ]
  }
]
```

Sample Response

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

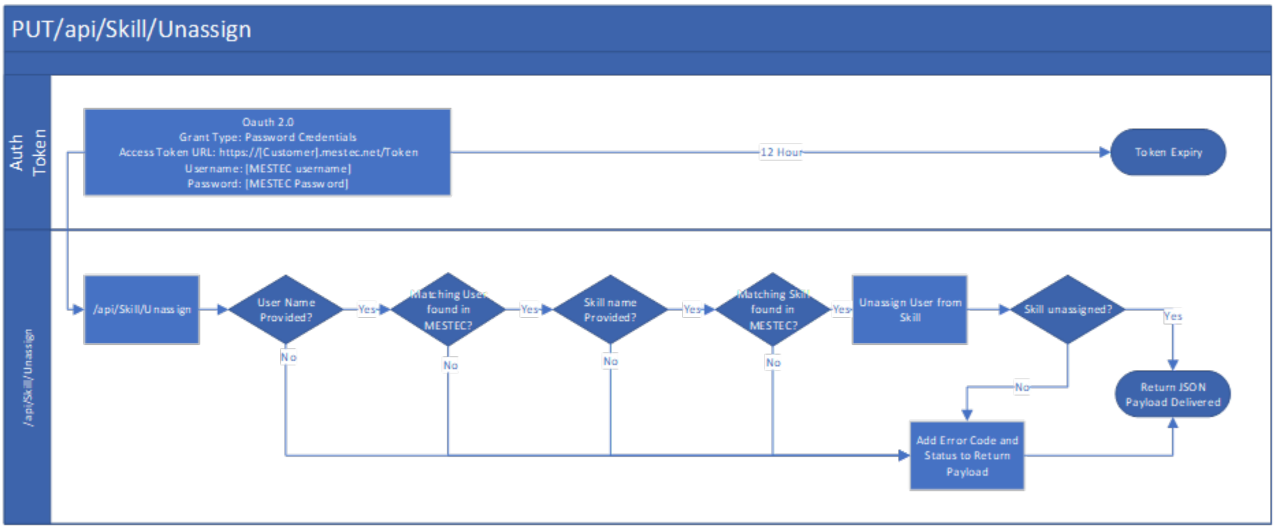


```
[
  {
    "id": 338,
    "name": "QA test",
    "description": "",
    "skillType": "System",
    "isActive": true,
    "users": [
      {
        "id": 17 ,
        "username": "User1",
        "dateAdded": "2025-06-12T09:01:32.269Z",
        "dateLastUsed": "2025-06-12T09:01:32.269Z",
        "dateExpires": "2025-06-12T09:01:32.269Z"
      },
      {
        "id": 165 ,
        "username": "QA_User",
        "dateAdded": "2025-06-12T09:01:32.269Z",
        "dateLastUsed": "2025-06-12T09:01:32.269Z",
        "dateExpires": "2025-06-12T09:01:32.269Z"
      }
    ]
  }
]
```

Unassign

The Skill– Unassign API call attempts to unassign a User from a Skill. Figure 3 shows the logic used within the Skill - Unassign API call.

Figure 3 - Logic within Skill-Unassign API Call


PUT/api/Skill/Unassign
Auth Token
Oauth 2.0
Grant Type: Password Credentials
Access Token URL: https://[Customer].mestec.net/Token
Username: [MESTEC username]
Password: [MESTEC Password]
12 Hour
Token Expiry
/api/Skill/Unassign
/api/Skill/Unassign
User Name Provided?
Yes
Matching User found in MESTEC?
Yes
Skill name Provided?
Yes
Matching Skill found in MESTEC?
Yes
Unassign User from Skill
Skill unassigned?
Yes
No
No
No
No
No
Return JSON Payload Delivered
Add Error Code and Status to Return Payload

Prerequisites

When unassigning a User from a Skill, both the User and Skill must exist in Eyelit MES, and the given User should already be assigned to the Skill.

Request

Table 5 shows the method and endpoint required to make the API call to unassign a User from a Skill.

Table 5 - Outbound Message Detail for Skill– Unassign

Method	URL Structure	Endpoint
PUT	https://[environment].mestec.net	/api/Skill/Unassign

The body of the payload should follow the format displayed below:

```
{
  "name": "string",
  "users":[
      {
         "id": 0,
         "name": "string",
          "dateAdded": "2025-06-12T09:01:32.263Z",
         "dateLastUsed":"2025-06-12T09:01:32.263Z",
          "dateExpires":"2025-06-12T09:01:32.263Z"
      }
    ]
}
```

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

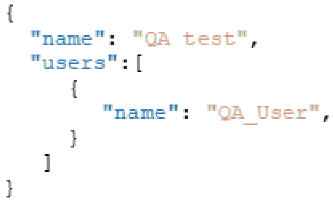
Table 6 - Parameter Information for Skill – Unassign

Parameter Name	Data Mapping	Data Type	Mandatory	Case Sensitive	Match Type
name	Skill.name	VARCHAR2(50)	Yes	No	Exact

User		JSON Array			
id	useraccount.id	Number	No	No	Exact
username	Useraccount.username	VARCHAR2(50)	Yes	No	Exact
dateAdded	User_skill.dateAdded	TIMESTAMP(6)	No	N/A	N/A
dateLastUsed	User_skill.dateLastUsed	TIMESTAMP(6)	No	N/A	
dateExpires	User_skill.dateExpires	TIMESTAMP(6)	No	N/A	

Sample Request

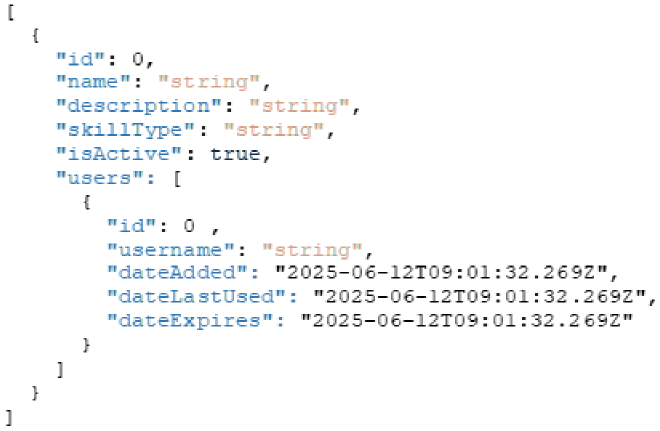
See below for a sample use case to unassign a User from a Skill. The sample provides an example of the JSON payload format required.



```
{
  "name": "QA test",
  "users":[
     {
       "name": "QA_User",
     }
   ]
}
```

Response

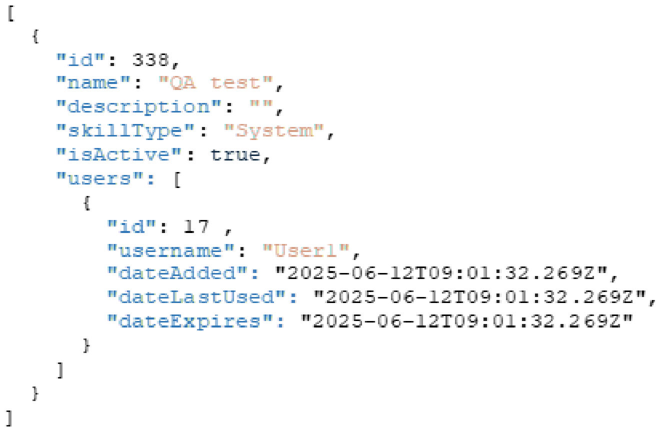
When using the Skill – Unassign API call, if the User has been successfully unassigned from the Skill, a JSON payload will be returned containing data in the following structure:



```
[
  {
    "id": 0,
    "name": "string",
    "description": "string",
    "skillType": "string",
    "isActive": true,
    "users": [
      {
        "id": 0 ,
        "username": "string",
        "dateAdded": "2025-06-12T09:01:32.269Z",
        "dateLastUsed": "2025-06-12T09:01:32.269Z",
        "dateExpires": "2025-06-12T09:01:32.269Z"
      }
    ]
  }
]
```

Sample Response

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



```
[
  {
    "id": 338,
    "name": "QA test",
    "description": "",
    "skillType": "System",
    "isActive": true,
    "users": [
      {
        "id": 17 ,
        "username": "User1",
        "dateAdded": "2025-06-12T09:01:32.269Z",
        "dateLastUsed": "2025-06-12T09:01:32.269Z",
        "dateExpires": "2025-06-12T09:01:32.269Z"
      }
    ]
  }
]
```