RESTful Add and Update Employee Punches

The HTTP verbs `POST` and `PATCH` are used to process inserts and updates to employee time entry information. Insert and update capabilities support adding new time entries for an employee and updating time entries for an existing employee.

The following topics contain more information about the `POST` and `PATCH` employee time entry endpoints:

- **POST Employee Punches** (see page 247)
- **PATCH Employee Punches** (see page 248)

POST Employee Punches

This `POST` operation adds an employee time entry. The operation uses the following URL:

```
https://www.dayforcehcm.com/api/CompanyName/V1/EmployeePunches
```

Role feature access: HCM Anywhere > Web Services > Patch/Post/Delete Employee Time Entry

Parameters

POST Employee Punches parameter

Parameter	Description
isVal-idateOnly	This parameter is used to specify that all of the validations need to be performed without committing any changes. Use this parameter to control whether committing information in your Dayforce instance is your responsibility. The URL syntax is: `https://www.dayforcehcm.com/api/CompanyName/V1/EmployeePunches?isValidateOnly=true`

Request Body

The request body contains the values that need to be inserted into the available data entities. The example below shows all of the possible fields in the correct JSON format:

```
{
    "PunchXRefCode": "string",
    "EmployeeXRefCode": "string",
    "TimeStart": "2025-02-20T21:39:04.818Z",
    "TimeEnd": "2025-02-20T21:39:04.818Z",
    "DeptJobXRefCode": "string",
    "OrgUnitXRefCode": "string",
    "PayAdjustCodeXRefCode": "string",
    "ProjectXRefCode": "string",
    "DocketXRefCode": "string",
    "Quantity": 0,
    "EmployeeAuthorized": true,
    "ManagerAuthorized": true,
    "MealBreaks": [
        {
            "MealBreakType": "string",
            "TimeStart": "2025-02-20T21:39:04.818Z",
            "TimeEnd": "2025-02-20T21:39:04.818Z"
        }
    ],
    "Transfers": [
        {
            "TimeStart": "2025-02-20T21:39:04.818Z",
            "DeptJobXRefCode": "string",
            "OrgUnitXRefCode": "string",
            "PayAdjustCodeXRefCode": "string",
            "ProjectXRefCode": "string",
            "DocketXRefCode": "string",
            "Quantity": 0,
            "TransferLaborMetrics": [
                {
                    "LaborMetricsTypeXRefCode": "string",
                    "LaborMetricsCodeXRefCode": "string"
                }
            ]
        }
    ],
    "PunchLaborMetrics": [
        {
            "LaborMetricsTypeXRefCode": "string",
            "LaborMetricsCodeXRefCode": "string"
        }
    ]
}
```

PATCH Employee Punches

This PATCH operation updates an employee time entry. The operation uses the following URL:

```
         https://www.dayforcehcm.com/api/CompanyName/V1/EmployeePunches/
{xRefCode}
```

Parameters

PATCH Employee Punches parameters

Parameter	Description
xRefCode	The XRefCode of the time entry that you want to update.
isVal-idateOnly	This parameter is used to specify that all of the validations need to be performed without committing any changes. Use this parameter to control whether committing information in your Dayforce instance is your responsibility. The URL syntax is: `https://www.dayforcehcm.com/api/CompanyName/V1/EmployeePunches/ {xRefCode}?isValidateOnly=true`

Request Body

The request body contains the data entities and elements that need to be processed within a structure that can be interpreted by Dayforce web services. The example below shows all of the possible fields in the correct JSON format:

```
{
  "PunchXRefCode": "string",
  "EmployeeXRefCode": "string",
  "TimeStart": "2025-02-20T21:52:34.798Z",
  "TimeEnd": "2025-02-20T21:52:34.798Z",
  "DeptJobXRefCode": "string",
  "OrgUnitXRefCode": "string",
  "PayAdjustCodeXRefCode": "string",
  "ProjectXRefCode": "string",
  "DocketXRefCode": "string",
  "Quantity": 0,
  "EmployeeAuthorized": true,
  "ManagerAuthorized": true,
  "MealBreaks": [
    {
      "MealBreakType": "string",
      "TimeStart": "2025-02-20T21:52:34.798Z",
      "TimeEnd": "2025-02-20T21:52:34.798Z"
    }
  ],
```

```json
    "Transfers": [
        {
            "TimeStart": "2025-02-20T21:52:34.798Z",
            "DeptJobXRefCode": "string",
            "OrgUnitXRefCode": "string",
            "PayAdjustCodeXRefCode": "string",
            "ProjectXRefCode": "string",
            "DocketXRefCode": "string",
            "Quantity": 0,
            "TransferLaborMetrics": [
                {
                    "LaborMetricsTypeXRefCode": "string",
                    "LaborMetricsCodeXRefCode": "string"
                }
            ]
        }
    ],
    "PunchLaborMetrics": [
        {
            "LaborMetricsTypeXRefCode": "string",
            "LaborMetricsCodeXRefCode": "string"
        }
    ]
}
```

RESTful Delete Employee Punches

This `DELETE` operation deletes a specific employee time entry. The operation uses the following URL:

`https://www.dayforcehcm.com/api/CompanyName/V1/EmployeePunches`

Role feature access: HCM Anywhere > Web Services > Patch/Post/Delete Employee Time Entry

Parameters

Consumers can delete employee time entries using the following parameter:

employeePunchXRefCode (string)

The unique identifier (external reference code) of the employee time entry that will be deleted. The value provided must be an exact match, otherwise a bad request (400) error will be returned. This setting is required.

All data associated with the time entry will be deleted, including any tardy pay adjustments, labor metrics, transfers, meals, and breaks that are linked to it.