

# Workforce Dimensions API



## Introduction

The Workforce Dimensions platform provides a powerful application programming interface and documentation to help you develop secure, scalable, and high-performance applications that leverage the full breadth of capabilities offered by our backend services.

The Workforce Dimensions suite's API is founded on a pragmatic implementation of the representational state transfer architectural style and allows access to your organization's workforce data using common HTTP methods and the JSON interchange format.

Our extensible platform allows any application you build to access your workforce data, from a mobile companion app to a full-featured client unique to your organization and its needs.

## Organization

Each functional area within the suite is known as a **domain**. Domains are further divided into subgroups to organize API resources into logical groupings. Some domains contain no subgroups. Others contain many.

Every domain contains **resources**, each of which represents a business entity that is stored or computed.

- Stored entities include punches, accrual balances, and shifts
- Computed entities include the schedule and the Attendance processor

Every resource is accessed using one or more **operations**, each of which consists of an HTTP method plus a URL.

While most domains focus on a specific functional area, Common Resources and Platform do not.

Common Resources contains resources shared by all domains, allowing you to access and manipulate general employee data, user display profiles, business structures, the Control Center, the Transaction Assistant, and data aggregated across domains.

Platform consists of resources with supporting capabilities that are neutral to Workforce Management concepts.

## Conceptual documentation

Conceptual documentation provides writer-crafted user guidance that introduces our API and provides a series of informative and tutorial topics to get you started with the API as quickly as possible. This area of the Developer Portal also provides overviews of our API, including our pragmatic implementation of the REST standard, and of our major domains.

## API Reference Documentation

From here you may browse our library of API resources, organized hierarchically by domain, or major functional area, logical subgroup, API resource, and all available operations against each resource.

- [Attendance](#)
- [Common Resources](#)
- [Leave](#)
- [Platform](#)
- [Scheduling](#)
- [Timekeeping](#)

### Attendance

Attendance automates the process of tracking and enforcing the types of policies that might typically be found in an employee handbook. Missing a punch, being absent, punching in or out too early or too late, or consistently taking longer breaks than allowed are all common examples of the types of employee policies Attendance can be configured to support.

Attendance works with rules and policies. For example, if an employee is absent three times in a month, your policy might state such an employee is then on probation. A fourth absence in that time period could result in a final warning, and a fifth in termination. Attendance automates the enforcement of such rules in a very configurable way.

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## Actions

This resource allows you to view and manipulate Attendance Actions, which are a configured list of entities that each represent an Attendance consequence.

Actions in Attendance are symbolic. They represent an informational flag to a human being informing him or her that they need to go do something, such as a manager delivering a verbal warning to an employee. Actions are an output of the Attendance Processor. An Action Definition refers to configuration, while an Action Transaction refers to the output of the Attendance Processor.

Operation	HTTP Method	URL Endpoint	Description
Complete Actions	POST	/v1/attendance/actions/complete	Completes actions for one or more employees.
Retrieve Action Documents by ID	GET	/v1/attendance/actions/{id}/documents	Returns all documents associated with an action.
Retrieve Action by ID	GET	/v1/attendance/actions/{id}	Returns information about an action.
Retrieve Actions' Documents	POST	/v1/attendance/actions/documents/multi_read	Returns all documents associated with a group of actions.
Retrieve Multiple Actions	POST	/v1/attendance/actions/multi_read	Returns all or only the required actions for multiple employees.
Update Action by ID	POST	/v1/attendance/actions/{id}	Updates an action's completion date and user note.

## Attendance Audit Records

This resource allows you to access auditing records for the Attendance domain.

Operation	HTTP	URL Endpoint	Description
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	Method		
Retrieve Attendance Audit Records	POST	/v1/attendance/audit_records/multi_read	Returns auditing records for auditing entities and employees within a date range.

## Balance Adjustments

This resource allows you to retrieve, update, and delete adjustments to an employee's balances.

In Attendance, balance adjustments are measured in terms of points or time.

Operation	HTTP Method	URL Endpoint	Description
Bulk Update and Return Balances	POST	/v1/attendance/balance_adjustments/multi_update	Updates balances for employees for multiple balance types.
Mark Balance Adjustments for Deletion by ID	POST	/v1/attendance/balance_adjustments/{id}/mark_deleted	Marks point balance adjustments for deletion.
Retrieve Balance Adjustments	POST	/v1/attendance/balance_adjustments/multi_read	Returns point balance adjustments.
Update and Return Balances	POST	/v1/attendance/balance_adjustments	Updates balances for employees.

## Balance Expirations

This resource allows you to access information about an employee's expiring balances.

In Attendance, balances are measured in terms of points or time.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Expiring Balances	POST	/v1/attendance/balance_expirations/multi_read	Returns expiring points for employees.

## Balance Resets

This resource allows you to delete, reset, and retrieve resets to an employee's balances.

In Attendance, balance resets are measured in terms of points or time.

Operation	HTTP Method	URL Endpoint	Description
Bulk Reset Balances	POST	/v1/attendance/balance_resets/multi_update	Resets balances for employees for multiple balance types.
Mark Balance Resets for Deletion by ID	POST	/v1/attendance/balance_resets/{id}/mark_deleted	Marks point balance resets for deletion.
Reset Balances	POST	/v1/attendance/balance_resets	Resets balances for employees.
Retrieve Balance Resets	POST	/v1/attendance/balance_resets/multi_read	Returns point balance resets for employees.

## Balances

This resource allows you to access information about an employee's balances.

In Attendance, balances are measured in terms of points or time.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Balances	POST	/v1/attendance/balances/multi_read	Returns point balance summaries for employees.

## Discipline Levels

This resource allows you to access information about discipline levels, which are configurable entities in Attendance through which you can group a set of policies in an Attendance profile.

When a profile is assigned to an employee, that employee can be in only one discipline level at any point of time.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Discipline Levels	POST	/v1/attendance/discipline_levels/multi_read	Returns discipline levels for employees.

## Events

This resource allows you to access Events, a basic component of Attendance.

Attendance Events determine which data imported from Timekeeping is significant to your organization's policies. Each Event maps to one of the elements Attendance consumes from Timekeeping. Events can map to input from outside the suite as well. For example, a company might choose to track traffic violations for employees who drive company trucks. Events are input for the series of Attendance rules enforced by all active policies.

Operation	HTTP Method	URL Endpoint	Description
Create Events	POST	/v1/attendance/events/multi_create	Creates events for one or more employees.
Delete Event by ID	DELETE	/v1/attendance/events/{id}	Deletes a basic event.
Mark Event as Deleted by ID	POST	/v1/attendance/events/{id}/mark_deleted	Marks an event as deleted.
Retrieve Event Types	GET	/v1/attendance/events/types	Returns a list of event types.
Retrieve Event by ID	GET	/v1/attendance/events/{type}/{id}	Returns an event.
Retrieve Events	POST	/v1/attendance/events/multi_read	Returns events.
Retrieve Events by Action	GET	/v1/attendance/events	Returns events that resulted in a specified action.
Update Event by ID	POST	/v1/attendance/events/{id}	Updates an event.

## Markers

This resource allows you to create, retrieve, and delete markers, which represent dates that influence the functionality of the Attendance Processor.

Operation	HTTP Method	URL Endpoint	Description
Create or Update Ignore Markers	POST	/v1/attendance/markers/multi_create	Creates or updates Ignore History Markers or Ignore Timecard Markers for employees.
Remove Ignore Markers	POST	/v1/attendance/markers/multi_delete	Removes Ignore History Markers or Ignore Timecard Markers for employees.
Retrieve Markers	POST	/v1/attendance/markers/multi_read	Returns history and Timecard data markers.

## Perfect Attendance

This resource allows you to access Perfect Attendance transactions.

As Discipline Levels measure violations of acceptable behavior, Perfect Attendance provides a way to measure and reward an employee's good behavior.

Operation	HTTP	URL Endpoint	Description
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	Method		
Retrieve Perfect Attendance Transactions	POST	/v1/attendance/perfect_attendance/multi_read	Returns Perfect Attendance awards and violations.

### Perfect Attendance Deductions

This resource allows you to access Perfect Attendance deductions.

As Discipline Levels measure violations of acceptable behavior, Perfect Attendance provides a way to measure and reward an employee's good behavior.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Perfect Attendance Deductions	POST	/v1/attendance/perfect_attendance_deductions/multi_read	Returns Perfect Attendance deductions.

### Processor Requests

This resource allows you to create, retrieve, update, and delete scheduled requests for the Attendance Processor.

The Attendance Processor is responsible for extracting data from Timekeeping as well as enforcing the rules that are defined within Attendance Policies. The Attendance Processor runs at defined points in an organization's workflow.

Operation	HTTP Method	URL Endpoint	Description
Create Attendance Processor Request	POST	/v1/attendance/processor_requests	Creates an Attendance Processor request.
Delete Attendance Processor Request by ID	DELETE	/v1/attendance/processor_requests/{id}	Deletes an Attendance Processor request.
Retrieve Attendance Processor Request by ID	GET	/v1/attendance/processor_requests/{id}	Returns an Attendance Processor request.
Retrieve Attendance Processor Requests	GET	/v1/attendance/processor_requests	Returns all Attendance Processor requests.
Update Attendance Processor Request by ID	PUT	/v1/attendance/processor_requests/{id}	Updates an Attendance Processor request.

## Profile Assignments

This resource allows you to perform general Attendance transactions, such as retrieving Attendance profile assignments for a group of employees within a date range.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Profile Assignments	POST	/v1/attendance/profiles_assignments/multi_read	Returns profile assignments for employees.

## Rules

This resource allows you to execute Attendance rules.

Rules in Attendance always evaluate to true or false when executed and serve as the building blocks of Attendance policies. An Attendance consequence occurs for each rule that is evaluated as false.

Operation	HTTP Method	URL Endpoint	Description
Execute Attendance Rules for Employees	POST	/v1/attendance/rules/execute	Executes rules for employees.

## Common Resources

Common Resources are resources shared by all domains, allowing you to access and manipulate general employee data, user display profiles, business structures, the Control Center, the Transaction Assistant, and data aggregated across domains.

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## Business Structures

Business structures, also known as organizational maps, enable you to define a hierarchical structure for your organization using types, locations, and jobs.

A business structure defines trees containing nodes that represent these three components. Types represent logical organizational levels in your enterprise. Locations represent a physical location or a logistical unit that is not a physical location. Jobs represent roles with fixed responsibilities.

### Business Structures > Jobs

This resource provides a set of operations that allow you to create, read, update, and delete jobs.

Jobs are roles that have a fixed responsibility (Registered Nurse, Associate, Welder). Jobs are attached to locations on the business structure that represent locations where employees actually perform those jobs.

Operation	HTTP Method	URL Endpoint	Description
Create Generic Job	POST	/v1/commons/jobs	Creates a generic job.
Delete Generic Job	DELETE	/v1/commons/jobs	Deletes a generic job.
Delete Generic Job by ID	DELETE	/v1/commons/jobs/{jobId}	Deletes a generic job.
Retrieve Effective Job by ID	GET	/v1/commons/jobs/{jobId}	Returns an effective job.
Retrieve Effective Job by Name	GET	/v1/commons/jobs	Returns an effective job by name.
Retrieve Generic Jobs by Job Assignment	POST	/v1/commons/jobs/apply_read	Returns generic jobs by job assignment (job node).
Retrieve Generic Jobs by Reference	POST	/v1/commons/jobs/multi_read	Returns generic jobs by reference.

Update Generic Job by ID      POST      /v1/commons/jobs/{jobId}      Updates a generic job.

## Business Structures > Location Sets

This resource provides a set of operations that allow you to create, read, and update location sets.

Locations, which each represent a physical location (Operating Room or Mail Room) or a logistical unit that is not a physical location (Support, Administration, a Home Care Unit), can be grouped into sets.

Operation	HTTP Method	URL Endpoint	Description
Create Location Set	POST	/v1/commons/location_sets	Creates a location set.
Retrieve Location Set by ID	GET	/v1/commons/location_sets/{id}	Returns a location set by ID.
Retrieve Location Set by Name	GET	/v1/commons/location_sets	Returns a location set by name and system.
Retrieve Location Sets by List	POST	/v1/commons/location_sets/multi_read	Returns location sets.
Update Location Set by ID	POST	/v1/commons/location_sets/{groupId}	Updates a location set.

## Business Structures > Location Types

This resource provides a set of operations that allow you to create, read, update, and delete location types.

Location types are logical organizational levels in your enterprise, such as region, division, store, area, and department.

Operation	HTTP Method	URL Endpoint	Description
Create Location Type	POST	/v1/commons/location_types	Creates a location type.
Delete Location Type	DELETE	/v1/commons/location_types	Deletes a location type.
Delete Location Type by ID	DELETE	/v1/commons/location_types/{id}	Deletes a location type.
Retrieve Location Type by ID	GET	/v1/commons/location_types/{id}	Returns location (node) type information.
Retrieve Location Types by Context	POST	/v1/commons/location_types/multi_read	Returns location (node) types.
Retrieve Location Types by Location	POST	/v1/commons/location_types/apply_read	Returns location (node) types by location.

Retrieve Location Types by Name	GET	/v1/commons/location_types	Returns location (node) types.
Update Location Type by ID	POST	/v1/commons/location_types/{id}	Updates a location type.

## Business Structures > Locations

Locations can be a physical location (Operating Room or Mail Room) or a logistical unit that is not a physical location (Support, Administration, a Home Care Unit). You can use the operations associated with this resource to create, update, delete, and view locations.

Operation	HTTP Method	URL Endpoint	Description
Copy Location	POST	/v1/commons/locations/apply_create	Copies Organizational Map location information.
Create Location Node	POST	/v1/commons/locations	Creates an Organizational Map location node.
Create Locations	POST	/v1/commons/locations/multi_create	Creates Organizational Map locations.
Create Locations Asynchronously	POST	/v1/commons/locations/multi_create/async	Creates Organizational Map locations asynchronously.
Delete Locations	POST	/v1/commons/locations/multi_delete	Deletes Organizational Map locations.
Move Location	POST	/v1/commons/locations/apply_update	Moves Organizational Map location information.
Retrieve Location by ID	GET	/v1/commons/locations/{id}	Returns Organizational Map location (node) information by ID.
Retrieve Location by Path	GET	/v1/commons/locations	Returns Organizational Map location information.
Retrieve Locations	POST	/v1/commons/locations/multi_read	Returns Organizational Map locations.
Update Location	POST	/v1/commons/locations/{id}	Updates an Organizational Map location.
Update Locations	POST	/v1/commons/locations/multi_update	Updates Organizational Map locations.

## Cost Center

This resource allows you to add, delete, or change cost center objects.

The cost center is an attribute on the business structure that allows work to be charged to the company's General Ledger.

When a cost center is assigned to a location, an employee's work inherits the cost center when the employee works in that location. Otherwise, cost centers are inherited from the parent. If a cost center is not associated with any parent, then the cost center from the lowest location level of the employee's primary job is used.

You can also assign time to a specific cost center, for example when you need to charge work to the cost center of the employee's primary job or to another paying cost center.

Operation	HTTP Method	URL Endpoint	Description
Create Cost Centers	POST	/v1/commons/cost_centers/multi_create	Creates a list of cost centers.
Delete Cost Centers	POST	/v1/commons/cost_centers/multi_delete	Deletes a list of cost centers.
Retrieve Cost Center by ID	GET	/v1/commons/cost_centers/{id}	Returns the requested cost center.
Retrieve Cost Centers	GET	/v1/commons/cost_centers	Returns a list of all cost centers in the system.
Update Cost Centers	POST	/v1/commons/cost_centers/multi_update	Updates a list of cost centers.

## Display Profiles

The Display Profiles resource provides a set of operations that allow you to access user display profiles.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Display Profile by ID	GET	/v1/commons/display_profiles/{id}	Returns a display profile by ID.
Retrieve Display Profile by References	POST	/v1/commons/display_profiles/multi_read	Returns a list of display profiles.
Retrieve Display Profiles	GET	/v1/commons/display_profiles	Returns a list of display profiles.

## Employee Group

The Employee Group resource allows you to add, delete, or change an employee group object within the system.

Operation	HTTP Method	URL Endpoint	Description
Create employee groups	POST	/v1/commons/employee_groups/multi_create	This operation creates a list of employee groups.

Retrieve Employee Group by its identifier	GET	/v1/commons/employee_groups/{id}	This operation returns the requested employee group.
Retrieve Employee Groups	GET	/v1/commons/employee_groups	This operation returns the list of employee groups in the system.
Update Employee Groups	POST	/v1/commons/employee_groups/multi_update	This operation updates a list of employee groups.

## Entitlements

This resource helps to fetch the entitlement's summary and history details.

Operation	HTTP Method	URL Endpoint	Description
Entitlement History	GET	/v1/licensing/entitlement_history	Returns the entitlement history details.
Entitlement Summary	GET	/v1/licensing/entitlement_summary	Returns the entitlements for all the license-packages.

## Hyperfind

The Hyperfind domain provides operations that allow you to retrieve a list of employees based on predefined conditions.

### Hyperfind > Hyperfind Queries Execution

Executes specified hyperfind query

Operation	HTTP Method	URL Endpoint	Description
Execute hyperfind query	POST	/v1/commons/hyperfind/execute	Executes a Hyperfind query and returns the result.
Retrieve All Hyperfind Queries	GET	/v1/commons/hyperfind	Returns a list of Hyperfind queries accessible to the user.
Retrieve only Public Hyperfind Queries	GET	/v1/commons/hyperfind/public	Returns a list of public Hyperfind queries.

## Information Access

The Information Access domain provides programmatic access to data from various sources in a manner similar to the way a database is accessed. The resources within this domain allow ad hoc queries, dynamic definition and execution of Data Views, and access to the Data Dictionary.

### Information Access > Aggregated Data

This resource represents collectively retrievable data from multiple sources: Timekeeping, Scheduling, Commons, and Key Performance Indicators (KPIs). Operations on this resource use a powerful SQL-like syntax to query data. These queries include complex filtering and reduction functions as well as grouping, sorting, and pagination options.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Aggregated Data	POST	/v1/commons/data/multi_read	Returns aggregated employee or organization data.

### Information Access > Data Dictionary

This resource allows you to create, update, activate, and deactivate Data Elements within the Data Dictionary.

The Data Dictionary is a collection of Data Elements from all domains in the suite. A particular set of Data Elements, known as Gold Data Elements, are automatically loaded by the system and can be immediately used to create Dataviews.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Data Element Definitions	GET	/v1/commons/data_dictionary/data_elements	Returns a Data Element's definitions.
Retrieve Data Element Definitions by Keys	POST	/v1/commons/data_dictionary/data_elements/multi_read	Returns a Data Element's definitions.
Retrieve Location Types	GET	/v1/commons/data_dictionary/location_types	Returns Location Types.
Retrieve Metadata	GET	/v1/commons/data_dictionary/metadata	Returns system-defined metadata.

### Information Access > Dataview Profiles

This resource allows you to create, read, delete, and manipulate profiles that control which Dataviews users are allowed to view and the ways in which Dataviews are used.

Operation	HTTP Method	URL Endpoint	Description
Create Dataview Profile	POST	/v1/commons/dataview_profiles	Creates a Dataview Profile.
Delete Dataview Profile by ID	DELETE	/v1/commons/dataview_profiles/{id}	Deletes a Dataview Profile by ID.
Retrieve Dataview Profile by ID	GET	/v1/commons/dataview_profiles/{id}	Returns a Dataview Profile by ID.
Retrieve Dataview Profiles	GET	/v1/commons/dataview_profiles	Returns all Dataview Profiles or returns a named Profile.
Update Dataview Profile by ID	PUT	/v1/commons/dataview_profiles/{id}	Updates a Dataview Profile by ID.

### Information Access > Dataviews

This resource allows you to create, read, delete, and manipulate custom data sources that are modeled after the common database concept of views. You can create a Dataview to pull together virtually any kind of data into a single view by selecting data elements from the Data Dictionary and applying a filter to one or more of those elements. Dataviews are often used to retrieve the same kinds of data multiple times, such as reusing a query, rather than for ad hoc data retrieval. A particular set of Dataviews, known as Gold Dataviews, are automatically loaded by the system. Dataview operations use the user profile, and a particular user gains access to a Dataview by means of a DataviewProfile, which has one or more associated Dataviews.

Operation	HTTP Method	URL Endpoint	Description
Create Administrator Dataview	POST	/v1/commons/dataviews	Creates a new administrator Dataview.
Create Personalized Dataview	POST	/v1/commons/dataviews/{id}/personalization	Creates a new personalized Dataview.
Delete Administrator Dataview by ID	DELETE	/v1/commons/dataviews/{id}	Deletes an administrator Dataview.
Delete Personalized Dataview by ID	DELETE	/v1/commons/dataviews/{id}/personalization	Deletes a personalized Dataview.
Retrieve Dataview by Criteria	POST	/v1/commons/dataviews/multi_read	Returns a Dataview.
Retrieve Dataview by ID	GET	/v1/commons/dataviews/{id}	Returns a Dataview.

Retrieve Dataviews	GET	/v1/commons/dataviews	Returns Dataviews.
Update Administrator Dataview by ID	PUT	/v1/commons/dataviews/{id}	Updates an administrator Dataview.
Update Personalized Dataview by ID	PUT	/v1/commons/dataviews/{id}/personalization	Updates a personalized Dataview.

### Information Access > Home Pages

The Home Pages resource allows you to create, retrieve, update, and delete home pages, which are the first page users see when they log in to the application's user interface. This resource also provides mechanisms for personalizing home pages and restoring home pages to default settings.

Operation	HTTP Method	URL Endpoint	Description
Create Home Page	POST	/v1/commons/home_pages	Creates a home page with tile assignments.
Delete Home Page by ID	DELETE	/v1/commons/home_pages/{id}	Deletes a home page by ID.
Delete a Personalized Home Page by ID	DELETE	/v1/commons/home_pages/{id}/personalization	Deletes a personalized home page and restores it to a default state.
Personalize Home Page by ID	POST	/v1/commons/home_pages/{id}/personalization	Personalizes a home page by ID.
Retrieve Home Page by ID	GET	/v1/commons/home_pages/{id}	Returns a home page by ID.
Retrieve Home Pages	GET	/v1/commons/home_pages	Returns all home pages.
Update Home Page	PUT	/v1/commons/home_pages/{id}	Updates a home page by ID.

### Information Access > Tiles

The Tiles resource allows you to retrieve all administrator- and user-created tiles and cards.

Tiles provide access to important content about your employees and organization. They can appear on your home page as a visual representation of a common task that you frequently perform, such as a current schedule or a timesheet. They can also appear as a visualization of a metric, or other summarization, in the form of a pie chart or graph. You can show or hide tiles depending on what aspect of your business you want to view.

Operation	HTTP Method	URL Endpoint	Description
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Retrieve Tiles    GET                    /v1/commons/tiles    Returns all tiles.

## Labor Category

The Labor Category resource allows you to add, delete, or change a labor category object within the system.

Operation	HTTP Method	URL Endpoint	Description
Create Labor Categories	POST	/v1/commons/labor_categories/multi_create	This operation creates a list of labor categories with the given details.
Delete Labor Categories	POST	/v1/commons/labor_categories/multi_delete	This operation deletes a list of labor categories as per request.
Retrieve Labor Categories	GET	/v1/commons/labor_categories	This operation returns the list of labor categories.
Retrieve Labor Category by its identifier	GET	/v1/commons/labor_categories/{id}	This operation returns the requested labor category.
Update Labor Categories	POST	/v1/commons/labor_categories/multi_update	This operation updates a list of labor categories as per request.

## Labor Category Entry

The Labor Category Entry resource allows you to add, delete, or change a labor category object within the system.

Operation	HTTP Method	URL Endpoint	Description
Create Labor Category Entries	POST	/v1/commons/labor_entries/multi_create	This operation creates a list of labor category entries.
Delete Labor Category Entries	POST	/v1/commons/labor_entries/multi_delete	This operation deletes a list of labor category entries.
Delete Labor Category by ID	DELETE	/v1/commons/labor_entries/{id}	This operation deletes the requested labor category entry.
Retrieve Labor Category Entries	GET	/v1/commons/labor_entries	This operation returns the list of labor category entries in the system.
Retrieve Labor Category	GET	/v1/commons/labor_entries/{id}	This operation returns the requested labor

Entry by ID			category entry.
Retrieve Labor Category Entry by Name	GET	/v1/commons/labor_entries/{entryName}	This operation returns the requested labor category entry.
Update Labor Category Entries	POST	/v1/commons/labor_entries/multi_update	This operation updates a list of labor category entries.

## Labor Category List

The Labor Category List resource allows you to add, delete, or change a labor category list object within the system.

Operation	HTTP Method	URL Endpoint	Description
Create Labor Category Lists	POST	/v1/commons/labor_category_lists/multi_create	This operation creates a list of labor category lists. Labor category lists contain list of labor category entries.
Delete Labor Category Lists	POST	/v1/commons/labor_category_lists/multi_delete	This operation deletes a list of labor category lists
Delete Labor Category List by ID	DELETE	/v1/commons/labor_category_lists/{id}	This operation deletes the requested labor category list
Retrieve Labor Category Lists	GET	/v1/commons/labor_category_lists	This operation returns the list of labor category lists in the system.
Retrieve Labor Category List by ID	GET	/v1/commons/labor_category_lists/{id}	This operation returns the requested labor category list
Update Labor Category Lists	POST	/v1/commons/labor_category_lists/multi_update	This operation updates a list of labor category lists

## Labor Category List Assignment

The Labor Category List Assignment resource allows you to add, delete, or change a labor category list assignment object within the system. Labor Category List Assignments are the association between an organization node, a labor category and a labor category list assignment.

Operation	HTTP Method	URL Endpoint	Description
Create Labor	POST	/v1/commons/labor_category_list_assignments/multi_create	Creates a list of labor category

Category List Assignments				list assignments. Labor category lists contain list of labor category entries.
Delete Labor Category List Assignments	POST	/v1/commons/labor_category_list_assignments/multi_delete		Deletes a list of labor category list assignments
Retrieve Labor Category List Assignments	POST	/v1/commons/labor_category_list_assignments/multi_read		Returns the list of labor category list assignments in the system.
Update Labor Category List Assignments	POST	/v1/commons/labor_category_list_assignments/multi_update		Updates a list of labor category list assignments
Delete Labor Category List Assignments by ID	POST	/v1/commons/labor_category_list_assignments/multi_delete/ids		Deletes list assignments by ID.

## Labor Category Profile

The Labor Category Profile resource allows you to add, delete, or change a labor category profile object within the system.

Operation	HTTP Method	URL Endpoint	Description
Create Labor Category Profiles	POST	/v1/commons/labor_category_profiles/multi_create	Creates a list of labor category profiles.
Delete Labor Category Profiles	DELETE	/v1/commons/labor_category_profiles	Deletes a labor category profile.
Delete Labor Category Profile by ID	DELETE	/v1/commons/labor_category_profiles/{id}	Deletes a labor category profile by ID.
Retrieve Labor Category Profiles	GET	/v1/commons/labor_category_profiles	Returns a list of all labor category profiles in the system.
Retrieve Labor Category Profile by ID	GET	/v1/commons/labor_category_profiles/{id}	Returns a labor category profile by ID.
Retrieve Labor Category Profile for Current User	GET	/v1/commons/labor_category_profiles/current_user	Returns the labor category profile for the current user.

Update Labor Category Profiles	POST	/v1/commons/labor_category_profiles/multi_update	Updates a list of labor category profiles.
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## Licensing

The Licensing domain allows you to provide license- and package-related information.

## Locale Settings

The Locale Settings domain contains regional settings (language locale, date format, number format, and currency format) that can be assigned as the tenant default or to individual users. The users' settings take precedence over the default setting for the tenant. Users see the user interface in the language and regional settings assigned to them in their locale policy. The locale policy is assigned to users in People Information.

### Locale Settings > Locale Policies

This resource allows you to create, retrieve, update, and delete locale policies. Local policies contain regional settings (language locale, date format, number format, and currency format) that can be assigned as the tenant default or to individual users. The users' settings take precedence over the default setting for the tenant. Users see the user interface in the language and regional settings assigned to them in their locale policy. The locale policy is assigned to users in People Information.

Operation	HTTP Method	URL Endpoint	Description
Create Locale Policies	POST	/v1/commons/locale_policies/multi_create	Creates locale policies.
Create Locale Policy	POST	/v1/commons/locale_policies	Creates a locale policy.
Delete Locale Policies	POST	/v1/commons/locale_policies/multi_delete	Deletes a list of locale policies.
Delete Locale Policy by ID	DELETE	/v1/commons/locale_policies/{id}	Deletes a locale policy.
Retrieve Locale Policy	GET	/v1/commons/locale_policies	Returns a Locale Policy by name, display name, or sdmKey.
Retrieve Locale Policy by ID	GET	/v1/commons/locale_policies/{id}	Returns a locale policy.
Retrieve Locales	POST	/v1/commons/locale_policies/multi_read	Returns locales.
Set Default Locale Policy	POST	/v1/commons/locale_policies/apply_update	Sets the locale policy as default for a tenant.

Update Locale Policies	POST	/v1/commons/locale_policies/multi_update	Updates a list of locale policies.
Update Locale Policy by ID	POST	/v1/commons/locale_policies/{id}	Updates a locale policy.

## Locale Settings > User Preferences

This resource allows you to retrieve user preferences by user or tenant.

Operation	HTTP Method	URL Endpoint	Description
Retrieve User Preferences for Current User	GET	/v1/commons/user_preferences/locale_policy	Returns user preferences for the current user or tenant.

## Messaging Notifications

This resource allows you to send and retrieve common messaging notifications.

Operation	HTTP Method	URL Endpoint	Description
Delete Multiple Notifications	POST	/v1/commons/notifications/multi_delete	Deletes a list of notifications.
Retrieve Control Center Configuration	GET	/v1/commons/notifications/config	Returns the Control Center configuration.
Retrieve Notification Count	GET	/v1/commons/notifications/count	Returns a count of all notifications for a user.
Retrieve Notification Details	GET	/v1/commons/notifications/{message_id}	Returns notification details.
Retrieve Notifications	GET	/v1/commons/notifications	Returns a list of notifications for a user.
Retrieve Notifications by Item ID	GET	/v1/commons/notifications/item	Returns a list of notifications for a given item ID.
Retrieve Notifications by Item IDs	POST	/v1/commons/notifications/multi_read	Returns a list of notifications for a list of item IDs.
Review Notifications by ID	POST	/v1/commons/notifications/multi_review	Reviews a list of notifications by ID.

## Pay Period Timespans

This operation returns the start and end dates and times for a pay period.

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Operation	HTTP Method	URL Endpoint	Description
Retrieve Pay Period Timespans	GET	/v1/commons/pay_period	Returns the start and end dates and times for a pay period.

## People

The People domain allows you to add records for a new person, delete records of a person, and retrieve or modify information about a person. The Persons resource also supports bulk operations such as multi-create, read, update, and delete. GET operations retrieve person data based on employee, Timekeeping, Scheduling, device, or accrual extensions. Criteria-based GET operations retrieve multiple person records that match search criteria.

### People > Person Assignments

The Person Assignments resources allow you to make assignments of system entities for one or more persons.

### People > Person Assignments > Adjustment Rule Assignments

This resource allows you to assign Adjustment Rules to an employee. This assignment is effective dated.

Use Adjustment rules to change wages or to pay extra based on time entered in a timecard. Adjustments can be made based on multiple labor accounts and selection criteria, such as a labor category or cost center, or both.

Operation	HTTP Method	URL Endpoint	Description
Assign Adjustment Rule	POST	/v1/commons/persons/adjustment_rule	Assigns an Adjustment Rule to an employee.
Assign Adjustment Rule—Multiple Employees	POST	/v1/commons/persons/adjustment_rule/multi_create	Assigns an employee adjustment rule to one or more employees.
Delete Adjustment Rule	DELETE	/v1/commons/persons/adjustment_rule	Deletes the assignment of an adjustment rule to an employee.
Delete Adjustment Rule—Multiple Employees	POST	/v1/commons/persons/adjustment_rule/multi_delete	Deletes employee adjustment rule assignments for one or more employees.
Retrieve Adjustment	GET	/v1/commons/persons/adjustment_rule	Returns a list of an employee's

Rules by Person Number				adjustment rule assignments.
Retrieve All Adjustment Rules	GET	/v1/commons/persons/adjustment_rule/multi_read		Returns a list of all employee adjustment rule assignments.
Update Adjustment Rule	PUT	/v1/commons/persons/adjustment_rule		Updates an adjustment rule assigned to an employee.
Update Adjustment Rule—Multiple Employees	POST	/v1/commons/persons/adjustment_rule/multi_update		Updates the assignment of an adjustment rule to one or more employees.

### People > Person Assignments > Attendance Administrator Assignment

This resource allows you to create, retrieve, update, and delete the assignment of an administrator to an Attendance employee.

The employee passed in must be a valid Workforce Attendance employee. The administrator passed in must be a valid Workforce Timekeeper manager.

Operation	HTTP Method	URL Endpoint	Description
Delete Attendance Admin	DELETE	/v1/commons/persons/attendance_admin	Deletes the assignment of an administrator to an Attendance employee.
Delete Attendance Admin—Multiple Employees	POST	/v1/commons/persons/attendance_admin/multi_delete	Deletes the assignment of an administrator to one or more Attendance employees.
Retrieve Attendance Admin by Person Number	GET	/v1/commons/persons/attendance_admin	Returns the administrator assigned to an Attendance employee.
Retrieve Attendance Admin—Multiple Employees	POST	/v1/commons/persons/attendance_admin/multi_read	Returns the administrators assigned to one or more Attendance employees.
Update Attendance Admin	PUT	/v1/commons/persons/attendance_admin	Updates the assignment of an administrator to an Attendance employee.
Update Attendance	POST	/v1/commons/persons/attendance_admin/multi_update	Updates (or adds) the assignment of

Admin—Multiple  
Employees

an administrator to one or more  
Attendance employees.

### People > Person Assignments > Attendance Profiles

This resource allows you to assign or modify the assignment of Attendance profiles to employees.

Attendance profiles contain attendance policies and control the order in which the system processes the policies and their associated rules.

All employees who have Attendance product licenses assigned are automatically assigned to the empty Attendance profile. This profile is effective dated from the beginning of time until the end of time. After you have created Attendance policies and profiles, assign the employees to the Attendance profiles that you have created.

An employee can be assigned to only one Attendance profile at a time.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Attendance Profile by Person Number	GET	/v1/commons/persons/attendance_profile	Returns an Attendance profile assignment.
Retrieve Attendance Profile—Multiple Employees	POST	/v1/commons/persons/attendance_profile/multi_read	Returns Attendance profile assignments for one or more employees.
Update Attendance Profile	PUT	/v1/commons/persons/attendance_profile	Updates an attendance profile assignment for an employee.
Update Attendance Profile—Multiple Employees	POST	/v1/commons/persons/attendance_profile/multi_update	Updates Attendance profile assignments for one or more employees.

### People > Person Assignments > Cascade Profile Assignment

This resource allows you to assign a cascade profile to an employee.

Cascading profiles contain cascading policies, which define the paycodes used to trigger cascading accrual takings. Employees can have one or more policies in their profile, which is assigned by Accruals and Leave in People Information.

Operation	HTTP	URL Endpoint	Description
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	Method		
Assign Cascade Profile	PUT	/v1/commons/persons/cascade_profile	Assigns a cascade profile to an employee.
Assign Cascade Profiles—Multiple Employees	POST	/v1/commons/persons/cascade_profile/multi_update	Assigns one or more cascade profiles to one or more employees.
Delete Cascade Profile	DELETE	/v1/commons/persons/cascade_profile	Deletes a cascade profile assignment.
Delete Cascade Profiles—Multiple Employees	POST	/v1/commons/persons/cascade_profile/multi_delete	Deletes the assignment of one or more cascade profiles.
Retrieve Cascade Profiles by Person Number	GET	/v1/commons/persons/cascade_profile	Returns cascade profile assignments for an employee.
Retrieve Cascade Profiles—Multiple Employees	POST	/v1/commons/persons/cascade_profile/multi_read	Returns cascade profile assignments for one or more employees.

### People > Person Assignments > Employee Job Preferences

This resource allows you to retrieve and update the job preferences associated with an employee.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Job Preferences by Person Number	GET	/v1/commons/persons/job_preferences	Returns employee job preferences.
Retrieve Job Preferences—Multiple Employees	POST	/v1/commons/persons/job_preferences/multi_read	Returns job preferences for one or more employees.
Update Job Preferences	PUT	/v1/commons/persons/job_preferences	Updates job preferences.
Update Job Preferences—Multiple Employees	POST	/v1/commons/persons/job_preferences/multi_update	Updates the job preferences for one or more employees.

### People > Person Assignments > Leave Administrator Assignment

This resource allows you to create, retrieve, update, and delete the assignment of an administrator to a Leave employee.

The employee passed in must be a valid Workforce Leave employee. The administrator passed in must be a valid Workforce Timekeeper manager.

Operation	HTTP Method	URL Endpoint	Description
Delete Leave Admin	DELETE	/v1/commons/persons/leave_admin	Deletes the assignment of an administrator to a Leave employee.
Delete Leave Admin—Multiple Employees	POST	/v1/commons/persons/leave_admin/multi_delete	Deletes the assignment of an administrator to one or more Leave employees.
Retrieve Leave Admin by Person Number	GET	/v1/commons/persons/leave_admin	Returns the administrator assigned to a Leave employee.
Retrieve Leave Admin—Multiple Employees	POST	/v1/commons/persons/leave_admin/multi_read	Returns the administrators assigned to one or more Leave employees.
Update Leave Admin	PUT	/v1/commons/persons/leave_admin	Updates the assignment of an administrator to a Leave employee.
Update Leave Admin—Multiple Employees	POST	/v1/commons/persons/leave_admin/multi_update	Updates (or adds) the assignment of an administrator to one or more Leave employees.

### People > Person Assignments > Leave Profile Assignment

This resource allows you to retrieve, update, and delete the Leave profile assignment associated with an employee.

Operation	HTTP Method	URL Endpoint	Description
Delete Leave Profile	DELETE	/v1/commons/persons/leave_profile	Deletes the assignment of a Leave profile to an employee.
Delete Leave Profile—Multiple Employees	POST	/v1/commons/persons/leave_profile/multi_delete	Deletes the assignment of a Leave profile to one or more employees.
Retrieve Leave Profile by Person Number	GET	/v1/commons/persons/leave_profile	Returns the Leave profile assigned to an employee.
Retrieve Leave Profile—Multiple Employees	POST	/v1/commons/persons/leave_profile/multi_read	Returns the Leave profiles assigned to one or more employees.
Update Leave Profile	PUT	/v1/commons/persons/leave_profile	Updates the assignment of a Leave profile to an employee.

Update Leave Profile— Multiple Employees	POST	/v1/commons/persons/leave_profile/multi_update	Updates the assignment of a Leave profile to one or more employees.
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### People > Person Assignments > Person Common ID

This resource allows you access to the PersonCommonId entity, which defines an Object Identifier for an employee.

This entity is a unique key that is used to identify an object managed by the Registry, such as organizations and associates. Each employee can have one unique AOID (Associate Identifier) along with a COID (Company Identifier) used for Single Sign-On (SSO).

Operation	HTTP Method	URL Endpoint	Description
Delete AOID and COID	DELETE	/v1/commons/persons/external_id	Deletes AOID and COID assignments for an employee.
Delete AOID and COID— Multiple Employees	POST	/v1/commons/persons/external_id/multi_delete	Deletes AOID and COID assignments for one or more employees.
Retrieve AOID and COID by Person Number	GET	/v1/commons/persons/external_id	Returns AOID and COID assignments for an employee.
Retrieve AOID and COID—Multiple Employees	POST	/v1/commons/persons/external_id/multi_read	Returns AOID and COID assignments for one or more employees.
Update AOID and COID	PUT	/v1/commons/persons/external_id	Updates (or adds) AOID and COID assignments for an employee.
Update AOID and COID— Multiple Employees	POST	/v1/commons/persons/external_id/multi_update	Updates (or adds) AOID and COID assignments for one or more employees.

### People > Person Assignments > Process Profile Assignments

This resource allows you to retrieve and update the assignment of a process profile to an employee.

The employee passed in must be a valid Workforce employee. When assigning either a manager or an employee process profile to a person, the profile assigned must be a valid profile for that employee.

Operation	HTTP Method	URL Endpoint	Description
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Retrieve Process Profile by Person Number	GET	/v1/commons/persons/process_profiles	Returns the process profile assigned to an employee.
Retrieve Process Profiles—Multiple Employees	POST	/v1/commons/persons/process_profiles/multi_read	Returns the process profiles assigned to one or more employees.
Update Process Profile	PUT	/v1/commons/persons/process_profiles/update	Updates the assignment of a process profile to an employee.
Update Process Profile—Multiple Employees	POST	/v1/commons/persons/process_profiles/multi_update	Updates the assignment of a process profile to one or more employees.

## People > Persons

This resource allows you to add a new person record, remove a person record, or view or edit information about a person.

Operation	HTTP Method	URL Endpoint	Description
Create Multiple Persons	POST	/v1/commons/persons/multi_create	Creates person records.
Create Person	POST	/v1/commons/persons	Creates a new person record.
Delete Multiple Persons	POST	/v1/commons/persons/multi_delete	Deletes person records.
Delete Person by ID	DELETE	/v1/commons/persons/{personId}	Deletes a person record.
Retrieve All Extensions	GET	/v1/commons/persons/extensions	Returns a person record with all extensions.
Retrieve Base Person	POST	/v1/commons/persons/base_persons/multi_read	Returns base person information.
Retrieve Employee References	POST	/v1/commons/persons/refs/multi_read	Returns person records by search criteria.
Retrieve Person by Extension	GET	/v1/commons/persons/{extensionType}	Returns person records by extension.
Retrieve Person by ID	GET	/v1/commons/persons/{personId}	Returns a person record.
Retrieve Persons	POST	/v1/commons/persons/extensions/multi_read	Returns person records.
Update Multiple Persons	POST	/v1/commons/persons/multi_update	Updates person records.
Update Person by ID	PUT	/v1/commons/persons/{personId}	Updates a person record.

Update or Create Persons    POST    /v1/commons/persons/multi\_upsert    Updates or creates person records.

## Symbolic Periods

This resource provides a set of operations that facilitate the set up of symbolic periods.

Symbolic periods allow employees to enter values such as full day, which translates into the number of hours in an employee's shift.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Date Span Grouped by Symbol Type	POST	/v1/commons/symbolicperiod/multi_read	Returns a map of date spans grouped by symbol type.
Retrieve Locale Date Span	POST	/v1/commons/symbolicperiod/read	Returns a locale date span matching the search criteria.
Retrieve Symbolic Period Types	GET	/v1/commons/symbolicperiod/period_types	Returns all period types in the system.
Retrieve Symbolic Periods	GET	/v1/commons/symbolicperiod	Returns all symbolic periods in the system.
Retrieve Symbolic Periods by Period Type ID	GET	/v1/commons/symbolicperiod/{periodTypeId}	Returns a list of symbolic periods for a given period type.

## Time Zone

This resource allows you to set the system's time zone.

Operation	HTTP Method	URL Endpoint	Description
Set Timezone for Tenant	PUT	/v1/commons/timezones/apply_update	Sets the timezone for a tenant.

## Leave

Leave automates, streamlines, and standardizes the administration and enforcement of all leave policies, the incorrect enforcement of which can put your organization at risk for costly fines and potential lawsuits. The functionality exposed by these resources allows you to enforce leave rules consistently and fairly, and to maintain accurate and up-to-date records.

- [Leave Audit Records](#)
- [Leave Case Certifications](#)

- [Leave Case Custom Fields](#)
- [Leave Case Defaults](#)
- [Leave Case Documents](#)
- [Leave Case Eligibility Requirements](#)
- [Leave Case Notes](#)
- [Leave Case Notifications](#)
- [Leave Case Rules](#)
- [Leave Cases](#)
- [Leave Custom Fields](#)
- [Leave Edits](#)
- [Leave Events](#)
- [Leave Request Configuration](#)
- [Leave Requests](#)
- [Leave Rules](#)

## Leave Audit Records

This resource allows you to access auditing records for the Leave domain.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Leave Audit Records	POST	/v1/leave/audit_records/multi_read	Returns auditing records for auditing entities and employees within a date range.

## Leave Case Certifications

This resource allows you to create and retrieve medical certifications associated with a Leave case. Frequency, duration, and expiration date are parameters associated with medical certifications.

Operation	HTTP Method	URL Endpoint	Description
Create Certification	POST	/v1/leave/leave_cases/certifications	Creates a certification for a Leave case.
Retrieve Certification History	GET	/v1/leave/leave_cases/certifications	Returns the certification history of a Leave case.

## Leave Case Custom Fields

This resource allows you to retrieve and update custom fields associated with a Leave case. You can add an unlimited number of custom fields to a case.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Custom Fields	GET	/v1/leave/leave_cases/custom_fields	Returns custom field assignments for a Leave case.
Update Custom Fields	POST	/v1/leave/leave_cases/custom_fields/multi_update	Updates custom field values for a Leave case.

## Leave Case Defaults

This resource allows you to retrieve and update Leave case defaults. Leave case defaults are used for actions such as adding Leave time through group actions.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Leave Case Defaults	GET	/v1/leave/leave_cases/defaults	Returns details about Leave case defaults.
Retrieve Leave Case Defaults by ID	GET	/v1/leave/leave_cases/{id}/defaults	Returns details about Leave case defaults.
Update Leave Case Defaults	PUT	/v1/leave/leave_cases/defaults	Updates Leave case defaults.

## Leave Case Documents

This resource allows you to retrieve, update, and generate documents associated with a Leave case.

The particular documents available within a Leave case is based on the Leave Types used in that case. Documents combine templates with the details entered into a Leave case and can be generated as many times as necessary from within a Leave case. A Doctor's Note is a typical example of a Leave Case document. Regenerated documents do not replace older versions; they create a new, dated copy that contains a fresh set of the case's attributes.

Operation	HTTP Method	URL Endpoint	Description
Generate Documents	POST	/v1/leave/leave_cases/documents/generate	Generates documents for a Leave case.

Retrieve Documents	GET	/v1/leave/leave_cases/documents	Returns generated documents.
Update Documents	POST	/v1/leave/leave_cases/documents/multi_update	Updates document attributes.

### Leave Case Eligibility Requirements

This resource allows you to retrieve and update eligibility requirements for each Leave type. When a Leave type is selected on a Leave case, eligibility requirements are checked against employee data.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Eligibility Requirements	GET	/v1/leave/leave_cases/eligibility_requirements	Returns a list of eligibility requirements for a Leave case.
Update Eligibility Requirements	POST	/v1/leave/leave_cases/eligibility_requirements	Updates eligibility requirements associated with a Leave case.

### Leave Case Notes

This resource allows you to create, retrieve, update, and delete Notes attached to Leave cases.

Operation	HTTP Method	URL Endpoint	Description
Create Leave Case Note	POST	/v1/leave/leave_cases/notes	Creates a Note for a Leave case.
Delete Leave Case Note by ID	DELETE	/v1/leave/leave_cases/notes/{id}	Deletes a Note.
Retrieve Leave Case Note by ID	GET	/v1/leave/leave_cases/notes/{id}	Returns a Note.
Retrieve Leave Case Notes	GET	/v1/leave/leave_cases/notes	Returns a list of Notes for a Leave case.
Update Leave Case Note by ID	POST	/v1/leave/leave_cases/notes/{id}	Updates a Note.

### Leave Case Notifications

This resource allows you to activate, deactivate, copy, create, retrieve, update, and delete notifications configured for a Leave case.

Notifications have two types: limit-based notifications and date-based notifications. These notifications assist the Leave administrator or the employee on the Leave case.

Operation	HTTP Method	URL Endpoint	Description
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Activate Notification by ID	POST	/v1/leave/leave_cases/notifications/{id}/activate	Activates a notification by ID.
Copy Notification by ID	POST	/v1/leave/leave_cases/notifications/{id}/copy	Creates a copy of a notification by ID.
Create Notification	POST	/v1/leave/leave_cases/notifications	Creates a notification.
Deactivate Notification by ID	POST	/v1/leave/leave_cases/notifications/{id}/deactivate	Deactivates a notification by ID.
Delete Notification by ID	DELETE	/v1/leave/leave_cases/notifications/{id}	Deletes a notification by ID.
Retrieve Notification by ID	GET	/v1/leave/leave_cases/notifications/{id}	Returns a notification by ID.
Retrieve Notifications	GET	/v1/leave/leave_cases/notifications	Returns a list of notifications.
Update Notification by ID	POST	/v1/leave/leave_cases/notifications/{id}	Updates a notification by ID.

## Leave Case Rules

This resource allows you to create, retrieve, update, and delete Leave Case rules, which describe the processing sequence for paid and tracking time amounts. When a Leave case is assigned a rule, the status of the Leave case is changed to Open and you can begin assigning Leave time.

Operation	HTTP Method	URL Endpoint	Description
Create Rule Assignment	POST	/v1/leave/leave_cases/case_rules	Creates a rule assignment.
Delete Rule Assignment	DELETE	/v1/leave/leave_cases/case_rules/{id}	Deletes a rule assignment.
Retrieve Rule Assignment	GET	/v1/leave/leave_cases/case_rules/{id}	Returns a rule assignment for a Leave case rule.
Retrieve Rule Assignments	GET	/v1/leave/leave_cases/case_rules	Returns rule assignments.
Update Rule Assignment	POST	/v1/leave/leave_cases/case_rules/{id}	Updates a rule assignment.

## Leave Cases

This resource allows you to view and manipulate Leave cases.

Leave cases are containers that capture data about a particular Leave case. The data captured within a Leave case includes notes, notifications, frequency, and duration. Leave cases facilitate the administration of each leave of absence case. Each Leave case belongs to and is associated with an employee. Leave cases are part of the core functionality of Leave.

Operation	HTTP Method	URL Endpoint	Description
Create Leave Case	POST	/v1/leave/leave_cases	Creates a new Leave case.
Create Multiple Leave cases	POST	/v1/leave/leave_cases/multi_create	Creates Leave cases.
Delete Leave Case	DELETE	/v1/leave/leave_cases	Deletes a Leave case.
Execute Grant Leave	POST	/v1/leave/leave_cases/grant	Processes a grant leave request.
Retrieve Grant Data	GET	/v1/leave/leave_cases/grant_data	Returns on-demand grant data.
Retrieve Leave Case Details	GET	/v1/leave/leave_cases	Returns Leave case details.
Retrieve Leave Case Details by ID	GET	/v1/leave/leave_cases/{id}	Returns Leave case details.
Retrieve Leave Cases	POST	/v1/leave/leave_cases/multi_read	Returns Leave cases by IDs or for a list of employees within a date range.
Retrieve Total Taking Amount	GET	/v1/leave/leave_cases/total_taking	Returns the total taking amount from grant accrual.
Update Leave Case	PUT	/v1/leave/leave_cases	Updates a Leave case.

### Leave Custom Fields

This resource allows you to retrieve Leave custom fields.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Leave Custom Fields by Type	GET	/v1/leave/custom_fields	Returns Leave custom fields.

### Leave Edits

This resource allows you to create, retrieve, or delete a Leave edit, which represents an instance of time that is charged against a Leave case. Each Leave edit contains total paid and tracking amounts.

Operation	HTTP Method	URL Endpoint	Description
Create Leave Edits	POST	/v1/leave/leave_edits	Creates Leave edits.
Delete Leave Edits	POST	/v1/leave/leave_edits/multi_delete	Deletes Leave edits.

Retrieve Leave Edits   POST                /v1/leave/leave\_edits/multi\_read       Returns Leave edits with total paid and tracking amounts.

## Leave Events

This resource allows you to access Leave events for the Leave calendar. Such events are frequently created by Leave entities such as cases or takings.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Leave Events	POST	/v1/leave/events	Returns Leave events.

## Leave Request Configuration

This resource allows you to retrieve configuration data associated with a Leave case. Such data includes Leave types in paid segments, tracking segments, and eligibility questions. Data is retrieved based on an employee's Leave profile, Leave category, and reason.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Leave Request Configuration	GET	/v1/leave/leave_request_configuration	Returns configuration data for a Leave request.
Retrieve Request Subtypes	GET	/v1/leave/leave_request_configuration/request_subtypes	Returns request subtypes.

## Leave Requests

This resource allows you to create, read, and update (process) Leave case requests. The Leave request process begins when employees request leave. Following the request, Leave routes requests to the appropriate approving managers.

Operation	HTTP Method	URL Endpoint	Description
Create Leave Case Requests	POST	/v1/leave/leave_requests/multi_create	Creates Leave case requests.
Create Leave Request	POST	/v1/leave/leave_requests	Creates a Leave case request.
Process Leave Request by ID	POST	/v1/leave/leave_requests/{id}	Processes an existing request into a specified transition.
Process Leave Requests	POST	/v1/leave/leave_requests/multi_action	Processes one or more existing requests into

Retrieve Leave Case Requests	POST	/v1/leave/leave_requests/multi_read	specified transitions. Returns leave case requests.
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## Leave Rules

This resource describes the processing sequence for paid and tracking time amount. When a Leave case is assigned a rule, the status of the Leave case is changed to Open and you can begin assigning Leave time.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Available Rules	GET	/v1/leave/rules	Returns a list of available rules.

## Platform

Platform comprises API resources with supporting capabilities that are neutral to Workforce Management concepts.

- [Document Management](#)
- [Generic Notifications](#)
- [Integrations](#)
- [KPI Framework](#)
- [Reporting](#)
- [Timekeeping Setup Pay Rules](#)
- [Workflow](#)

## Document Management

The Document Management domain provides a set of resources and operations related to managing documents. This domain allows you to retrieve, forward, and audit documents, manage document templates, and to retrieve tags associated with domains or document templates.

## Generic Notifications

This resource allows you to send and retrieve generic notifications.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Generic	GET	/v1/platform/messaging/generic_notifications/{id}	Returns details about a generic

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Notification by ID			notification.
Retrieve Generic Notifications	GET	/v1/platform/messaging/generic_notifications	Returns a list of all generic notifications.
Send Notification by Event Type	POST	/v1/platform/messaging/generic_notifications/notify	Sends a generic notification by domain and event.
Send Notification by ID	POST	/v1/platform/messaging/generic_notifications/{id}/notify	Sends a generic notification.

## Integrations

Integrations exchange business and transactional data - such as person records, payroll data, punches, accruals balances, or business structures - between applications.

### Integrations > API integrations

This resource allows you to run integrations directly from the API to the data elements without the user interface.

API-based integrations do not use SFTP or flat files to pass the data, cannot be scheduled, and pass the data in the payload of the REST API calls. The size of the data payload is limited, and the data is not transformed in any way. This type of integration is synchronous, responses are detected quickly, and the status is updated immediately even if the integration fails or is blocked. Use this type of integration when you must preserve the data without transformations, for example: import people, update punches, or update accrual balances.

Operation	HTTP Method	URL Endpoint	Description
Execute API Integration by Key	POST	/v1/platform/api_integrations/execute/{key}	Executes an API integration.
Retrieve API Integration by Key	GET	/v1/platform/api_integrations/{key}	Returns the details of an API integration.
Retrieve API Integrations	GET	/v1/platform/api_integrations	Returns a list of all API integrations.
Retrieve Integration Status by ID	GET	/v1/platform/api_integrations/{id}/status	Returns the execution status of an API integration.

### Integrations > File-based Integrations

This resource allows you to run file-based integration processes.

The payload is a flat file delivered by SFTP. You can run the integration from the Integration Hub user interface or with API calls. The REST API calls do not carry the data. The amount of data is not limited, and the response time depends on the size of the file. These integrations can transform or map the incoming or outgoing data, and can be run on-demand or be scheduled. Use this type of integration for bulk updates or when you need to transform the data.

Operation	HTTP Method	URL Endpoint	Description
Execute Integration by ID	POST	/v1/platform/integrations/{id}/execute	Executes an integration.
Retrieve Integrations	GET	/v1/platform/integrations	Returns all integrations.
Schedule Integration by ID	POST	/v1/platform/integrations/{id}/schedule	Schedules an integration for execution.

### [Integrations > Integration Executions](#)

This resource allows you to retrieve the details of on-demand and scheduled integration runs.

The execution data includes start date, completion date, parameters passed, status, and the ID of the person who initiated the run.

Operation	HTTP Method	URL Endpoint	Description
Retrieve All Integration Executions	GET	/v1/platform/integration_executions	Retrieves a list of all integration executions.
Retrieve Integration Execution by ID	GET	/v1/platform/integration_executions/{id}	Returns an integration execution.

### [Integrations > Integration Schedules](#)

This resource allows you to retrieve the details of schedules that run integrations once or at recurring intervals.

The schedule data includes name, parameters passed, start date, end date, frequency, interval, and the next run.

Operation	HTTP Method	URL Endpoint	Description
Retrieve All Scheduled Integration Instances	GET	/v1/platform/integration_schedules	Returns a list of all scheduled integration instances.

## KPI Framework

The KPI domain provides operations that allow you to create and update Key Performance Indicators (KPIs) and metrics and retrieve the computed values of KPIs or metrics.

## Reporting

Reports enable you to organize information into an easy-to-read, easy-to-distribute file. With highly formatted and customizable layouts, reports can be scheduled to run at regular intervals and managers can be notified when a report is available.

The Reporting domain provides operations that you can use to configure and run reports, assign reports into profiles, and assign report profiles to people who can then run and schedule the reports. The current user can also track the run-report history and view or delete executed reports.

### Reporting > Publish and Run Reports

This resource allows you to publish report designs and run reports.

This resource provides details about required report parameters and metadata, including name, description, category, default output type, and report parameters. Only published reports are available to users based on their report profiles.

Operation	HTTP Method	URL Endpoint	Description
Delete Report	DELETE	/v1/platform/reports/{id}	Deletes a report.
Retrieve Published Reports	GET	/v1/platform/reports	Returns all published reports.
Retrieve Report by ID	GET	/v1/platform/reports/{id}	Returns a report.
Run Report by Name	POST	/v1/platform/reports/{name}/execute	Runs a report.
Save Report	POST	/v1/platform/reports	Saves a report.
Update Report by ID	POST	/v1/platform/reports/{id}	Updates a report.

### Reporting > Report Categories

This resource allows you to view the list of all report categories and report categories by name. Reports can be associated with multiple report categories, and by default, each report is associated with 'ALL' report categories.

Operation	HTTP Method	URL Endpoint	Description
Get All Report Categories	GET	/v1/platform/report_categories	Returns all report categories.
Get Report Category By Name	GET	/v1/platform/report_categories/{name}	Returns a report category.

## Reporting > Report Data Objects

This resource allows you to view, add, delete, or edit report data objects. It saves the reporting data view and data object metadata, and it publishes the data design to the reporting server.

Operation	HTTP Method	URL Endpoint	Description
Creates Reporting Data Object	POST	/v1/platform/report_dataobjects	Creates new reporting data view, data object meta data and data design file.
Delete Report Data Object	DELETE	/v1/platform/report_dataobjects/{dld}	Deletes a reporting data view, data object metadata and design file.
Get All Reporting Data Objects	GET	/v1/platform/report_dataobjects	Returns report data objects.
Get Data Elements Definition	POST	/v1/platform/report_dataobjects/dataelements	Returns data elements definition.
Get Data For Report Data Object Name	POST	/v1/platform/report_dataobjects/{name}/data	Returns a reporting data response.
Get Report Data Object	GET	/v1/platform/report_dataobjects/{id}	Returns a report data object.
Update Report Data Object	PUT	/v1/platform/report_dataobjects/{id}	Updates reporting data view, data object meta data and data design file.

## Reporting > Report Designs

This resource allows you to view all report design details and parameters. You can view report design parameters only for a single report design.

Operation	HTTP Method	URL Endpoint	Description
Delete Unpublished Report Design by ID	DELETE	/v1/platform/report_designs/{name}	Deletes a report design.
Retrieve All Report Designs	GET	/v1/platform/report_designs	Returns all report designs.
Retrieve Report Design Parameters	GET	/v1/platform/report_designs/{name}/parameters	Returns report design parameters.
Retrieve a Report Design by Name	GET	/v1/platform/report_designs/{name}	Returns a report design.



## Reporting > Report Executions

This resource allows you to view, add, delete, cancel, or edit a report run. Each run is recorded by an execution history for the current user. This user can cancel in-progress report runs, view all successfully completed runs, and delete completed report runs.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Executed Report Output by ID	GET	/v1/platform/report_executions/{id}/file	Returns a report as an attachment.
Retrieve Report History	GET	/v1/platform/report_executions	Returns the report run history.

## Reporting > Report Profiles

This resource allows you to view, add, delete, or edit report profiles. Users can access only those reports in their report profile. By default, all published reports are associated with the ALL report profile.

Operation	HTTP Method	URL Endpoint	Description
Create Report Profile	POST	/v1/platform/report_profiles	Creates and saves a report profile.
Delete Report Profile by ID	DELETE	/v1/platform/report_profiles/{id}	Deletes a report profile.
Retrieve All Report Profiles	GET	/v1/platform/report_profiles	Returns all report profiles.
Retrieve Report Profile by ID	GET	/v1/platform/report_profiles/{id}	Returns a report profile.
Update Report Profile by ID	PUT	/v1/platform/report_profiles/{id}	Updates a report profile.

## Reporting > Report Requests

This resource allows you to view, add, delete, or edit a report request.

Report requests can be scheduled to run once or recurrently. The current user can schedule only reports that are in their report profiles. Users who have access to SCHEDULE REPORT FOR OTHERS can schedule reports on behalf of others. All recipients of a schedule report request are notified in Control Center and can view the report and report execution history.

Operation	HTTP Method	URL Endpoint	Description
Create Report Request	POST	/v1/platform/scheduled_reports	Creates and saves a new report request.
Delete Report Request by ID	DELETE	/v1/platform/scheduled_reports/{id}	Deletes a report request.
Retrieve Scheduled Report	GET	/v1/platform/scheduled_reports	Returns all scheduled report requests.

## Requests

Update Report Request by ID      PUT      /v1/platform/scheduled\_reports/{id}      Updates a report request.

## Timekeeping Setup Pay Rules

This resource allows you to retrieve a list of pay rules.

Pay rules control how time and attendance information is processed for each employee. In a pay rule, your company defines how each segment of time is marked. For example, pay rules allow you to define and record a normal pay period and an overtime period inside a time segment.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Pay Rules	GET	/v1/timekeeping/setup/payrules	Returns pay rules.

## Scheduling

Conceptually, a schedule in the Workforce Management suite is tabular data with rows that refer to employees and columns that refer to time units. Various entities and attributes are assigned to the cells in the table for the purpose of managing the employees' time, with links to other parts of the system, notably Timekeeping, People, payroll, and accruals.

Scheduling makes it possible for different types of users to manage the schedule in different ways:

- A manager responsible for a set of employees can create, display, analyze, modify, and post the schedule for a specific period of time, for those employees.
- An employee can display the employee's own work schedule for a specific period, make requests for time off and receive approval or rejection from the manager.
- A scheduling manager or a business analyst can establish rules that define and limit the interaction of the manager and the employee.
- An IT professional or business analyst can automate the process of creating or modifying a schedule without violating the Schedule rules.
- [Availabilities](#)
- [Day Locks](#)
- [ESS Calendar Settings](#)
- [Employee Schedule Patterns](#)
- [Employee Schedules](#)

- Employee Time Off Requests
- Employment Terms Paycode Edits
- Group Assignments
- Group Paycode Edits
- Group Schedule Patterns
- Group Schedules—Manager Access
- Group Shifts
- Leave Edits—Scheduling
- Manager Schedule Actions
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- Procedure Set Engine
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- Schedule Audits
- Schedule Builder Settings
- Schedule Patterns
- Schedule Tags
- Shift Templates
- Shifts
- Tag Definitions
- Team Definitions
- Time Off Request Guided Recommendations
- Workload Coverage

## Availabilities

This resource allows you to create, modify, and delete availabilities.

Availabilities are an element of the schedule which represent the desire or possibility of an employee to work at a given time. The main availability characteristics are the date, the start and end times, and the assigned employee. Availabilities can be added,

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deleted, or modified. Availabilities are made up of segments. There are various types of segment. Each segment has a start time and an end time.

Operation	HTTP Method	URL Endpoint	Description
Create Availabilities by ID	POST	/v1/scheduling/schedule/availability/multi_update	Creates or updates one or more availabilities.
Create Availability	POST	/v1/scheduling/schedule/availability	Creates or updates an availability.
Delete Availabilities	DELETE	/v1/scheduling/schedule/availability/multi_delete	Deletes one or more availabilities.
Delete Availability by ID	DELETE	/v1/scheduling/schedule/availability	Deletes an availability by employee and date.
Retrieve Availability by ID	GET	/v1/scheduling/schedule/availability	Returns an availability by employee and date.

### Day Locks

This resource allows a manager to lock one or more schedule days for one or more employees, preventing any add, delete, or update of schedule entities on those days. This resource also allows the manager to remove such locks.

Operation	HTTP Method	URL Endpoint	Description
Lock Multiple Days	POST	/v1/scheduling/schedule/daylocks/apply_create	Locks certain days for specified employees.
Unlock Multiple Days	POST	/v1/scheduling/schedule/daylocks/multi_delete	Unlocks certain days for specified employees.

### ESS Calendar Settings

This resources allows a manager to create, retrieve, update, and delete Employee Self Service (ESS) Calendar Settings.

Operation	HTTP Method	URL Endpoint	Description
Create ESS Calendar Settings	POST	/v1/scheduling/ess_calendar_settings	Creates an ESS Calendar Settings.
Create Multiple ESS Calendar Settings	POST	/v1/scheduling/ess_calendar_settings/multi_create	Create a set of new ESS Calendar Settings.

Delete ESS Calendar Settings by ID	DELETE	/v1/scheduling/ess_calendar_settings/{id}	Deletes an ESS Calendar Settings.
Delete Multiple ESS Calendar Settings	POST	/v1/scheduling/ess_calendar_settings/multi_delete	Deletes one or more ESS Calendar Settings.
Retrieve ESS Calendar Settings by ID	GET	/v1/scheduling/ess_calendar_settings/{id}	Returns ESS Calendar Settings.
Retrieve ESS Calendar Settings by Name	GET	/v1/scheduling/ess_calendar_settings	Returns an ESS Calendar Settings.
Retrieve Multiple ESS Calendar Settings	POST	/v1/scheduling/ess_calendar_settings/multi_read	Returns one or more ESS Calendar Settings.
Update ESS Calendar Settings	PUT	/v1/scheduling/ess_calendar_settings/{id}	Updates an ESS Calendar Settings.
Update Multiple ESS Calendar Settings	PUT	/v1/scheduling/ess_calendar_settings/multi_update	Updates one or more ESS Calendar Settings.

## Employee Schedule Patterns

This resource defines a repeating pattern of shifts and paycodes and assigns the pattern to an employee. Pattern assignments are effective dated. Modifying the pattern assignment of an employee will automatically affect the schedule of that employee.

Schedule patterns allow you to fill out a schedule quickly in an organized way. Once you have defined and saved a pattern as a Schedule template, you can assign it to any employee or group of employees.

Pattern Templates also make it possible to modify the schedule of a number of employees simultaneously by modifying the pattern assigned to them.

Operation	HTTP Method	URL Endpoint	Description
Create Employee Schedule Pattern	POST	/v1/scheduling/employee_schedule_patterns/apply_create	Creates an employee schedule pattern.
Delete Employee Schedule Pattern by ID	DELETE	/v1/scheduling/employee_schedule_patterns/{id}	Deletes an employee schedule pattern.
Retrieve Builder Configuration	GET	/v1/scheduling/employee_schedule_patterns/builder	Returns builder public configuration data.

Retrieve Employee Schedule Pattern by ID	GET	/v1/scheduling/employee_schedule_patterns/{id}	Returns an employee schedule pattern.
Retrieve Employee Schedule Patterns	POST	/v1/scheduling/employee_schedule_patterns/multi_read	Returns one or more employee schedule patterns.
Update Employee Schedule Pattern	POST	/v1/scheduling/employee_schedule_patterns/apply_update	Updates multiple employee schedule patterns.

## Employee Schedules

This resource allows you to access the employee-restricted view of an employee schedule.

Only schedule entities for the user who is currently logged in can be viewed. The employee schedule contains the same entities as the manager schedule, such as shifts, paycode edits, holidays, locked days, and shift transfers—but only for the current user. It also contains detailed information about each entity in the schedule. The employee schedule does not support any editing actions.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Employee Schedule	GET	/v1/scheduling/employee_schedule	Returns an employee's schedule according to the specified parameters.

## Employee Time Off Requests

This resource allows an employee to define and submit a request to be excused from regular work duties for different reasons.

If the request is approved, the system automatically incorporates the change in the schedule. All or portions of the employee's shift are replaced with the appropriate paycode. Different time-off subtypes require an open request submission period during which the employee can submit the request, providing administrative control. Depending on configuration, the employee can request time off for one day, a portion of a day, a symbolic portion of a day, multiple days or multiple portions or symbolic portions of days (whether in sequence or not). All time off requests are linked to paycodes. Different submittal and approval criteria can be defined.

Operation	HTTP Method	URL Endpoint	Description
Create Employee Time Off Request	POST	/v1/scheduling/employee_timeoff	Creates a time off request.
Retrieve Employee Time Off Request by ID	GET	/v1/scheduling/employee_timeoff/{timeOffRequestId}	Returns a time off request.

Retrieve Employee Time Off Requests	POST	/v1/scheduling/employee_timeoff/multi_read	Returns time off requests matching specified search criteria.
Update Employee Time Off Request	POST	/v1/scheduling/employee_timeoff/apply_update	Updates the state of a time off request.

## Employment Terms Paycode Edits

This resource specifies the characteristics of paycode edits applied to an employment term. The main characteristics of a paycode edit are the paycode, the employee, the date, and the amount (either numeric or symbolic).

The characteristic of “paycode” (a Timekeeping entity related to paycode edits) is associated with accruals and payroll. Common examples include the paycodes “Sick,” “Vacation,” “Training,” “Holiday,” and so on.

A paycode edit is an instance of a paycode associated with a specific employee at a specific time and thus part of the employee’s schedule. For example, an employee might be assigned a Vacation paycode the first two weeks of July to replace two weeks of regularly scheduled work, or a Sick paycode to replace half the scheduled work day of January 3. Once assigned, the entity is called a paycode edit. Paycode edits can include the child objects Comments and Notes.

Operation	HTTP Method	URL Endpoint	Description
Create Employment Terms PCEs	POST	/v1/scheduling/employment_terms_schedule/pay_code_edits/apply_create	Creates and returns the result of added Employment Terms paycode edits to the specified schedule employment terms.
Delete Employment Terms PCEs	POST	/v1/scheduling/employment_terms_schedule/pay_code_edits/apply_delete	Deletes multiple Employment Terms paycode edits.
Retrieve Employment Terms PCE by ID	GET	/v1/scheduling/employment_terms_schedule/pay_code_edits/{id}	Returns the requested Employment Terms paycode edit.
Update Employment Terms PCEs	POST	/v1/scheduling/employment_terms_schedule/pay_code_edits/apply_update	Updates multiple paycode edits per employment term.

## Group Assignments

This resource allows you to add or remove an employee's membership in (or assignment to) various groups. Group assignments are effective dated.

Operation	HTTP Method	URL Endpoint	Description
Add Group Membership	POST	/v1/scheduling/group_schedule/assignments/apply_create	Creates and returns group assignments according to the specified parameters.
Remove Group Membership	POST	/v1/scheduling/group_schedule/assignments/apply_delete	Removes group assignments according to the provided criteria.

## Group Paycode Edits

This resource specifies the characteristics of paycode edits applied to a group. The main characteristics of a paycode edit are the paycode, the employee, the date, and the amount (either numeric or symbolic).

The characteristic of "paycode" (a Timekeeping entity related to paycode edits) is associated with accruals and payroll. Common examples include the paycodes "Sick," "Vacation," "Training," "Holiday," and so on.

A paycode edit is an instance of a paycode associated with a specific employee at a specific time and thus part of the employee's schedule. For example, an employee might be assigned a Vacation paycode the first two weeks of July to replace two weeks of regularly scheduled work, or a Sick paycode to replace half the scheduled work day of January 3. Once assigned, the entity is called a paycode edit. Paycode edits can include the child objects Comments and Notes.

Operation	HTTP Method	URL Endpoint	Description
Create Group PCEs	POST	/v1/scheduling/schedule/groups/pay_code_edits/apply_create	Creates and returns the result of added group paycode edits to the specified schedule groups.
Delete Group PCEs	POST	/v1/scheduling/schedule/groups/pay_code_edits/apply_delete	Deletes multiple group paycode edits.
Retrieve Group PCE by ID	GET	/v1/scheduling/schedule/groups/pay_code_edits/{id}	Returns a group paycode edit.
Update Group	POST	/v1/scheduling/schedule/groups/pay_code_edits/apply_update	Updates multiple group paycode edits.



## PCEs

### Group Schedule Patterns

This resource defines the repeating pattern of shifts and paycodes and assigns the pattern to an employee. Pattern assignments are effective dated. Modifying the pattern assignment of an employee automatically affects the schedule of that employee.

Operation	HTTP Method	URL Endpoint	Description
Create Group Schedule Pattern	POST	/v1/scheduling/group_schedule_patterns/apply_create	Creates a group schedule pattern.
Delete Group Schedule Pattern by ID	DELETE	/v1/scheduling/group_schedule_patterns/{id}	Deletes a group schedule pattern.
Retrieve Group Schedule Pattern Configuration	GET	/v1/scheduling/group_schedule_patterns/builder	Retrieves builder public settings and configuration data.
Retrieve Group Schedule Pattern by ID	GET	/v1/scheduling/group_schedule_patterns/{id}	Retrieves a group schedule pattern.
Retrieve Multiple Group Schedule Patterns	POST	/v1/scheduling/group_schedule_patterns/multi_read	Selects and retrieves group schedule pattern entities.
Update or Remove Group Schedule Patterns	POST	/v1/scheduling/group_schedule_patterns/apply_update	Updates or removes multiple group schedule patterns.

### Group Schedules—Manager Access

This resource provides the manager view of the schedule and allows modification of the schedule via the update operations.

This resource also provides update operations for entities applied to groups, group membership, and other characteristics of the group. The group schedule for manager includes all the employee-related entities such as: shifts, paycode edits, holidays, locked days, shift transfers, and detailed information about each entity.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Employee Group Schedule	GET	/v1/scheduling/schedule/groups	Returns a schedule according to the provided information.
Retrieve Employee	POST	/v1/scheduling/schedule/groups/multi_read	Returns a schedule according to the provided information: employee, Hyperfind, location, or

Group Schedule			schedule group.
Update Schedule Group	POST	/v1/scheduling/schedule/groups/multi_update	Updates group assignments and returns a schedule according to the specified criteria.

## Group Shifts

This resource allows you to create, modify, and delete shifts that are applied to a group.

Shifts are the primary content of the group schedule, since they represent productive work. The main shift characteristics are the date, the start and end times, the assigned employee, and the job or jobs associated.

Shifts can be added, deleted, or modified. Shifts are made up of segments. There are three types of segment: regular, break, and transfer. Each segment has a start time and date and an end time and date. Breaks have no associated job. A regular type segment is always associated with the employee's primary job as defined in People Editor. A transfer type segment is associated with the transferred employee's business structure job, work rule, payer cost center, or labor categories.

Operation	HTTP Method	URL Endpoint	Description
Create Group Shifts	POST	/v1/scheduling/schedule/groups/shifts/apply_create	Creates and returns the result of creating multiple shifts per group.
Delete Group Shifts	POST	/v1/scheduling/schedule/groups/shifts/apply_delete	Deletes multiple group shifts.
Retrieve Group Shift by ID	GET	/v1/scheduling/schedule/groups/shifts/{id}	Returns a group shift.
Update Group Shifts	POST	/v1/scheduling/schedule/groups/shifts/apply_update	Updates multiple group shifts.

## Leave Edits—Scheduling

This resource allows you to create, read, update, and delete leave edits, which represent an instance of time that is charged against a leave case and applied to an employee's schedule. This instance has paid and tracking amounts to it.

Operation	HTTP Method	URL Endpoint	Description
Create Leave Edit	POST	/v1/scheduling/schedule/leave_edits	Creates a leave edit.
Create Leave Edits with	POST	/v1/scheduling/schedule/leave_edits/apply_create	Creates one or more leave edits

Options				with a set of options.
Delete Leave Edit by ID	DELETE	/v1/scheduling/schedule/leave_edits/{leId}		Deletes a leave edit.
Delete Leave Edits	POST	/v1/scheduling/schedule/leave_edits/apply_delete		Deletes one or more leave edits.
Retrieve Leave Edit by ID	GET	/v1/scheduling/schedule/leave_edits/{leId}		Returns a leave edit.
Update Leave Edit by ID	POST	/v1/scheduling/schedule/leave_edits/{leId}		Updates a leave edit.
Update Leave Edit with Bypass for Accrual Warnings	POST	/v1/scheduling/schedule/leave_edits/apply_update		Updates a leave edit with bypass for accrual warnings.

## Manager Schedule Actions

This resource allows you to retrieve, post, or unpost a schedule.

Posting a schedule allows the schedule to be viewed by employees. The schedule sometimes needs to be unposted and this resource also makes that possible. If so configured, specific employees can view unposted schedules.

Operation	HTTP Method	URL Endpoint	Description
Post or Unpost Schedule	POST	/v1/scheduling/schedule_management_actions/apply_update	Posts or unposts scheduling periods, shifts, or paycode edits.
Retrieve Posted Schedule with Criterion	POST	/v1/scheduling/schedule_management_actions/multi_read	Returns posted schedule records for the specified posting periods.

## Manager Schedules

This resource allows you to access the manager view of the schedule and allows modification of the schedule by means of update operations.

The manager schedule includes all the employee-related entities, such as shifts, paycode edits, holidays, locked days, shift transfers, schedule tags, and detailed information about each entity.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Schedule	POST	/v1/scheduling/schedule/multi_read	Returns a schedule matching specified search criteria.
Retrieve Schedule with	GET	/v1/scheduling/schedule	Returns a schedule matching one search criterion.

## Criterion

Update Schedule	POST	/v1/scheduling/schedule	Performs a single update to a schedule.
Update Schedule— Multiple Employees	POST	/v1/scheduling/schedule/multi_update	Update the schedule for one or more employees pertaining to shifts, paycode edits, day locks, or schedule tags.

## Manager Time Off Requests

This resource allows a manager to approve, reject, or cancel time off requests submitted by an employee.

This resource also allows a manager to grant pre-approved time off to an employee. The time off has an impact on the schedule. When a manager approves a request, the system automatically incorporates the change in the schedule. All or portions of an employee's shift are replaced with the appropriate paycode. Different time-off subtypes provide administrative control and all time off requests are linked to paycodes. A manager granting preapproved time off does not require an open submission period. Depending on configuration, the manager can grant time off for one day, a portion of a day, a symbolic portion of a day, multiple days, or multiple portions or symbolic portions of days (whether in sequence or not). All time off requests are linked to paycodes. Different submittal and approval criteria can be defined.

Operation	HTTP Method	URL Endpoint	Description
Create Manager Time Off Request	POST	/v1/scheduling/timeoff	Creates a time off request.
Retrieve Manager Time Off Request by ID	GET	/v1/scheduling/timeoff/{timeOffRequestId}	Returns a time off request.
Retrieve Manager Time Off Requests	POST	/v1/scheduling/timeoff/multi_read	Returns time off requests matching specified search criteria.
Update Manager Time Off Request	POST	/v1/scheduling/timeoff/apply_update	Updates the state of a time off request.
Update Manager Time Off Request by ID	PUT	/v1/scheduling/timeoff/{timeOffRequestId}	Updates a time off request.

## Metrics—Scheduling

This resource allows you to evaluate metrics based on a set of metrics-related options and a set of search criteria.

Operation	HTTP	URL Endpoint	Description
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	Method		
Evaluate Metrics for Scheduling	POST	/v1/scheduling/schedule_metrics/multi_read	Evaluates metrics based on the options specified and according to defined search criteria.

## Paycode Edits—Scheduling

This resource allows you to specify the characteristics of paycode edits.

The main characteristics of a paycode edit are the paycode, the employee, the date, and the amount (either numeric or symbolic). The characteristic of “paycode” (a Timekeeping entity related to paycode edits) is associated with accruals and payroll. Common examples include the paycodes “Sick,” “Vacation,” “Training,” “Holiday,” and so on. A paycode edit is an instance of a paycode associated with a specific employee at a specific time and thus part of the employee’s schedule. For example, an employee might be assigned a Vacation paycode the first two weeks of July to replace two weeks of regularly scheduled work, or a Sick paycode to replace half the scheduled work day of January 3. Once assigned, the entity is called a paycode edit. Paycode edits can include the child objects Comments and Notes.

Operation	HTTP Method	URL Endpoint	Description
Create PCE	POST	/v1/scheduling/schedule/pay_code_edits	Creates a paycode edit.
Create PCE with Options	POST	/v1/scheduling/schedule/pay_code_edits/apply_create	Creates a paycode edit with a set of options.
Create Paycode Edits	POST	/v1/scheduling/schedule/pay_code_edits/multi_create	Creates one or more paycode edits.
Delete PCE by ID	DELETE	/v1/scheduling/schedule/pay_code_edits/{pceld}	Deletes a paycode edit.
Delete Paycode Edits by ID	POST	/v1/scheduling/schedule/pay_code_edits/multi_delete	Deletes one or more paycode edits.
Retrieve PCE by ID	GET	/v1/scheduling/schedule/pay_code_edits/{pceld}	Returns a paycode edit.
Update PCE by ID	POST	/v1/scheduling/schedule/pay_code_edits/{pceld}	Updates a paycode edit.
Update PCE with Bypass for Accrual Warnings	POST	/v1/scheduling/schedule/pay_code_edits/apply_update	Updates a paycode edit with bypass for accrual warnings.
Update Paycode Edits	POST	/v1/scheduling/schedule/pay_code_edits/multi_update	Updates one or more paycode edits.

## Procedure Set Engine

This resource allows a manager to retrieve the sorted list by using a procedure set or the appropriate list of employees eligible for a given open shift.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Sorted or Eligible Employees.	POST	/v1/scheduling/staffing_assistant/apply_read	Returns the list of sorted or eligible employees depending on input parameters.

## Procedure Sets

This resource provides a set of operations that allow you to retrieve procedure sets as a filtered list or singly by ID or name. A procedure set is a sequence of instructions that completes a scheduling task, such as sorting employees, matching employees to open shifts, and assigning employees with the best match.

- Procedure sets for the PSE can contain one step, or be complex and contain several steps.
- Procedure sets for the Call List and Sort Employees have one step.

Typically, a procedure set contains:

- **Procedures** — A procedure is a step that groups priority rule sets.
- **Rule sets** — A priority rule set groups related sorting and matching rules in order. A step can contain any number or type of rule sets, in any order, or no rule sets at all.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Procedure Set by ID	GET	/v1/scheduling/procedure_sets/{id}	Returns a single procedure set.
Retrieve Procedure Set by Name	GET	/v1/scheduling/procedure_sets	Returns a single procedure set by name.
Retrieve Procedure Sets	POST	/v1/scheduling/procedure_sets/multi_read	Returns a list of procedure sets filtered by object reference or procedure type.

## Request Submission Periods

This resource allows you to define when an employee is allowed to submit a specific type of time-off request and the period during which the time off may be taken.

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For example, in a certain department, the period when summer vacation may be taken runs from June 1 to August 31. Employees are required to request their summer vacation time off no earlier than January 1 and no later than April 30.

Operation	HTTP Method	URL Endpoint	Description
Verify Request Item Periods	POST	/v1/scheduling/request_submission_periods/apply_read	Verifies the submission period or request period of a request item.

### Rule Violations

This resource executes rules and returns any violations.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Employee Rule Violations	POST	/v1/scheduling/violations	Returns rule violations along with explanations.

### Schedule Audits

This resource allows you to generate an interactive display of all additions, deletions, and modifications to entities in the schedule. This resource also returns events affecting the schedule as a whole, such as postings and unpostings.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Schedule Audits	POST	/v1/scheduling/audits/multi_read	Returns schedule audits.

### Schedule Builder Settings

This resource provides a set of operations that allow you to access and update schedule builder configurations.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Schedule Builder Settings	GET	/v1/scheduling/schedule_builder_settings	Returns a list of Schedule Builder Settings.
Retrieve Schedule Builder Settings by ID	GET	/v1/scheduling/schedule_builder_settings/{id}	Returns Schedule Builder Settings.
Update Schedule Builder Settings by ID	PUT	/v1/scheduling/schedule_builder_settings/{id}	Updates Schedule Builder Settings by ID.

## Schedule Patterns

This resource allows a manager to create, retrieve, update, and delete Schedule Patterns.

Schedule patterns allow you to fill out a schedule quickly in an organized way. Once you have defined and saved a pattern as a Schedule template, you can assign it to any employee or group of employees.

Pattern Templates also make it possible to modify the schedule of a number of employees simultaneously by modifying the pattern assigned to them.

Operation	HTTP Method	URL Endpoint	Description
Create Schedule Pattern	POST	/v1/scheduling/schedule_pattern_templates	Creates a Schedule pattern.
Create Schedule Patterns	POST	/v1/scheduling/schedule_pattern_templates/multi_create	Creates a set of Schedule patterns.
Delete Schedule Pattern by ID	DELETE	/v1/scheduling/schedule_pattern_templates/{id}	Deletes a Schedule pattern.
Delete Schedule Pattern by Name	DELETE	/v1/scheduling/schedule_pattern_templates	Deletes a Schedule pattern by name.
Delete Schedule Patterns	POST	/v1/scheduling/schedule_pattern_templates/multi_delete	Deletes one or more Schedule patterns.
Retrieve Schedule Pattern by ID	GET	/v1/scheduling/schedule_pattern_templates/{id}	Returns a Schedule pattern.
Retrieve Schedule Pattern by Name	GET	/v1/scheduling/schedule_pattern_templates	Returns Schedule pattern.
Retrieve Schedule Patterns	POST	/v1/scheduling/schedule_pattern_templates/multi_read	Returns specific Schedule patterns by object references or all Schedule patterns if no references are provided.
Update Schedule Pattern by ID	PUT	/v1/scheduling/schedule_pattern_templates/{id}	Updates a Schedule pattern.
Update Schedule Pattern by Name	PUT	/v1/scheduling/schedule_pattern_templates	Updates a Schedule pattern by name.

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Update Schedule Patterns PUT /v1/scheduling/schedule\_pattern\_templates/multi\_update Updates one or more Schedule patterns.

## Schedule Tags

This resource allows you to create, modify, and delete schedule tags.

Schedule tags are generic descriptors that can be used to add information to a schedule. They are user-defined and can either be purely informational or they can have business-related impacts (like On Call tags). The main Schedule tag characteristics are the date, the start and end times, the assigned employee, and the associated job or jobs. Schedule tags can be added, deleted, or modified. A Schedule tag is similar to a Shift but with only one segment. It is always associated with the employee's primary job, defined in People Editor. A transfer type Schedule tag is associated with the transferred employee's business structure job, work rule, payer cost center or labor categories.

Operation	HTTP Method	URL Endpoint	Description
Create Schedule Tag	POST	/v1/scheduling/schedule/schedule_tags	Creates a Schedule tag.
Create Schedule Tags	POST	/v1/scheduling/schedule/schedule_tags/multi_create	Creates one or more Schedule tags.
Delete Schedule Tag by ID	DELETE	/v1/scheduling/schedule/schedule_tags/{tagId}	Deletes a Schedule tag.
Delete Schedule Tags	POST	/v1/scheduling/schedule/schedule_tags/multi_delete	Deletes one or more Schedule tags.
Retrieve Schedule Tag by ID	GET	/v1/scheduling/schedule/schedule_tags/{tagId}	Returns a Schedule tag.
Retrieve Schedule Tags by ID	POST	/v1/scheduling/schedule/schedule_tags/multi_read	Returns one or more Schedule tags.
Update Schedule Tag by ID	POST	/v1/scheduling/schedule/schedule_tags/{tagId}	Updates a Schedule tag.
Update Schedule Tags	POST	/v1/scheduling/schedule/schedule_tags/multi_update	Updates one or more Schedule tags.

## Shift Templates

This resource allows a manager to create, retrieve, update, and delete shift templates.

A shift template is a shift that has a name and defined segments and attributes, but no date or assigned employee.

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Use shift templates when any of the following apply:

- The organization uses standard shifts to assign to employees.
- Multiple employees work the same shift.
- Employees use Employee Self-Service (ESS) for scheduling to create and manage their own schedules.

Operation	HTTP Method	URL Endpoint	Description
Create Shift Template	POST	/v1/scheduling/shift_templates	Creates a Shift Template.
Create Shift Templates	POST	/v1/scheduling/shift_templates/multi_create	Creates a set of Shift Templates.
Delete Shift Template by ID	DELETE	/v1/scheduling/shift_templates/{id}	Deletes a Shift Template.
Delete Shift Templates	POST	/v1/scheduling/shift_templates/multi_delete	Deletes one or more Shift Templates.
Retrieve Shift Template by ID	GET	/v1/scheduling/shift_templates/{id}	Returns a Shift Template.
Retrieve Shift Template by Name	GET	/v1/scheduling/shift_templates	Returns a Shift Template.
Retrieve Shift Templates	POST	/v1/scheduling/shift_templates/multi_read	Returns specific Shift Templates by object references or all Shift Templates if no references are given.
Retrieve or Create Shift Templates	POST	/v1/scheduling/shift_templates/apply_read	Returns or creates a set of Shift Templates.
Update Shift Template by ID	PUT	/v1/scheduling/shift_templates/{id}	Updates a Shift Template.
Update Shift Templates	PUT	/v1/scheduling/shift_templates/multi_update	Updates one or more Shift Templates.

## Shifts

This resource allows you to create, modify, and delete shifts.

Shifts are the primary content of the schedule, since they represent productive work. The main shift characteristics are the date, the start and end times, the assigned employee, and the job or jobs associated. Shifts can be added, deleted, or modified. Shifts are made up of segments. There are three types of segment—regular, break, and transfer. Each segment has a start time and date, and an end time and date. Breaks have no associated job. A regular type segment is always associated with the employee’s primary job, defined in People Editor. A transfer type segment is associated with the transferred employee’s business structure job, work rule, payer cost center or labor categories.

Operation	HTTP Method	URL Endpoint	Description
Create Shift	POST	/v1/scheduling/schedule/shifts	Creates a shift.
Create Shifts	POST	/v1/scheduling/schedule/shifts/apply_create	Creates one or more shifts.
Create Shifts	POST	/v1/scheduling/schedule/shifts/multi_create	Creates one or more shifts.
Delete Shift by ID	DELETE	/v1/scheduling/schedule/shifts/{shiftId}	Deletes a shift.
Delete Shifts	POST	/v1/scheduling/schedule/shifts/multi_delete	Deletes one or more shifts.
Retrieve Shift by ID	GET	/v1/scheduling/schedule/shifts/{shiftId}	Returns a shift.
Update Shift by ID	POST	/v1/scheduling/schedule/shifts/{shiftId}	Updates a shift.
Update Shifts	POST	/v1/scheduling/schedule/shifts/apply_update	Updates shifts.
Update Shifts	POST	/v1/scheduling/schedule/shifts/multi_update	Updates one or more shifts.

## Tag Definitions

This resource allows a manager to create, retrieve, and update tag definitions.

Operation	HTTP Method	URL Endpoint	Description
Create Tag Definition	POST	/v1/scheduling/setup/tag_definitions	Creates a tag definition.
Delete Tag Definition by ID	DELETE	/v1/scheduling/setup/tag_definitions/{id}	Deletes a tag definition.
Retrieve Tag Definition by ID	GET	/v1/scheduling/setup/tag_definitions/{id}	Returns a tag definition.
Retrieve Tag Definition by Name	GET	/v1/scheduling/setup/tag_definitions	Returns a tag definition.
Retrieve Tag Definitions with	POST	/v1/scheduling/setup/tag_definitions/multi_read	Returns tag definitions by references, by assignment context, or returns all tag

Criterion			definitions.
Update Tag Definition by ID	POST	/v1/scheduling/setup/tag_definitions/{id}	Updates a tag definition.

## Team Definitions

This resource allows a manager to create, retrieve, and update team definitions.

Define teams to optimize guided recommendations for your organization so that managers can balance time-off requests with coverage needs and accruals balances.

Operation	HTTP Method	URL Endpoint	Description
Create Team Definition	POST	/v1/scheduling/setup/team_definition	Creates a team definition.
Delete Team Definition by ID	DELETE	/v1/scheduling/setup/team_definition/{id}	Deletes a team definition.
Retrieve Team Definition By ID	GET	/v1/scheduling/setup/team_definition/{id}	Returns a team definition.
Retrieve Team Definition by Name	GET	/v1/scheduling/setup/team_definition	Returns a team definition.
Retrieve Team Definitions with Criterion	POST	/v1/scheduling/setup/team_definition/multi_read	Returns team definitions by team definition references or by employee references within a date range.
Update Team Definition by ID	PUT	/v1/scheduling/setup/team_definition/{id}	Updates a team definition.

## Time Off Request Guided Recommendations

This resource defines the retrieval of four different guided recommendations for time off requests, grouped by team, guided recommendations, absence requests, and accruals.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Guided	POST	/v1/scheduling/time_off_request_guided_recommendations/apply_read	Returns guided recommendations

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Recommendations

records based on the specified criteria.

## Workload Coverage

This resource allows for the evaluation of workload coverage.

Operation	HTTP Method	URL Endpoint	Description
Evaluate Coverage	POST	/v1/scheduling/workload_coverage/coverage/multi_read	Returns coverage results.
Evaluate Coverage Details	POST	/v1/scheduling/workload_coverage/coverage_detail/multi_read	Returns coverage detail results.
Evaluate Coverage Spans	POST	/v1/scheduling/workload_coverage/coverage_span/multi_read	Returns coverage span results.
Evaluate Workload	POST	/v1/scheduling/workload_coverage/workload/multi_read	Returns workload results.
Evaluate Workload Details	POST	/v1/scheduling/workload_coverage/workload_detail/multi_read	Returns workload detail results.

## Timekeeping

Timekeeping automates the collection, management, and distribution of employee hours. It allows organizations to configure business rules for managing employee time, such as pay rules that determine what is overtime, who is eligible for overtime, who is working what job, and what is the schedule. This domain also allows organizations to schedule employees and manage accruals and vacation time. Time and labor data are collected from Series 4500 and InTouch terminals and delivered through Universal Device Manager to the suite, from which it can be used directly by Accruals, Activities, Dataviews, and reports, Insight Metrics, Scheduling, and other components.

- [Accrual Codes](#)
- [Accrual Move Balances](#)
- [Accrual Profiles](#)
- [Accruals](#)
- [Accruals Bulk Import](#)
- [Accruals Bulk Update](#)
- [Adjustment Rules](#)
- [Bonus and Deduction Rules](#)

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- [Break Rules](#)
- [Comments](#)
- [Employment Terms](#)
- [Pay Codes—Timekeeping](#)
- [Percentage Allocation Rules](#)
- [Punches](#)
- [Signoffs for Employee](#)
- [Signoffs for Manager](#)
- [Timecard Approvals for Employee](#)
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- [Timecard Metrics](#)
- [Timecard Settings](#)
- [Timecards](#)
- [Timestamps](#)
- [Work Rules](#)

## Accrual Codes

This resource allows you access to accrual codes, which collect and hold the different accrual balances, such as the total number of hours, days, or money. These codes identify the types of accrual balances, such as vacation or sick.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Accrual Code by ID	GET	/v1/timekeeping/setup/accrual_codes/{id}	Returns an accrual code.
Retrieve Accrual Codes	GET	/v1/timekeeping/setup/accrual_codes	Returns a list of accrual code types.

## Accrual Move Balances

This resource allows you to move one or more accrual balances for multiple employees. The associated Function Access Control Point is API.Accrual.

Accruals normally represent entitlements, such as Vacation, Sick Leave, Bereavement and others, that are calculated by the system based on data entries from the Timecard, the API, or other entry points. Each accrual balance is associated with an accrual code, which is similar to a pay code. Each employee can have a unique set of accrual balances which are managed through an Accrual Profile.

Operation	HTTP Method	URL Endpoint	Description
Move Accrual Balances—Multiple Employees	POST	/v1/timekeeping/accruals/moves	Applies a move action on one or more accrual balances.

### Accrual Profiles

This resource allows you access to accrual profiles, which enable you to group different accrual policies and assign them to one or more employees. For example, you have full-time staff members who accrue vacation time, sick time, and bonus money at different rates. Create Full-time Vacation, Full-time Sick, and Full-time Bonus rules and group these policies in a profile named Full-time Staff Members.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Accrual Profile by ID	GET	/v1/timekeeping/setup/accrual_profiles/{id}	Returns an accrual profile type.
Retrieve Accrual Profiles	GET	/v1/timekeeping/setup/accrual_profiles	Returns a list of accrual profile types.

### Accruals

The Accruals resource allows you to manage one or more accrual balances or transactions within the system for one to many employees, including various accrual actions such as resets and updates. The operations on this resource support identifying child objects for ShiftTotals by Pay Code, Accrual Summaries, and bulk operations. The associated Function Access Control Point is API.Accrual.

Accruals normally represent entitlements, such as Vacation, Sick Leave, Bereavement and others, that are calculated by the system based on data entries from the Timecard, the API, or other entry points. Accruals operations are either transactions or balance inquiries/adjustments. Each accrual balance is associated with an accrual code, which is similar to a pay code. Each employee can have a unique set of accrual balances which are managed through an Accrual Profile.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Accrual Codes from Pay Codes	POST	/v1/timekeeping/paycodes_to_accrual_codes/multi_read	Returns a list of matching accrual codes from a list of pay codes.

### Accruals Bulk Import

Allows you to perform bulk imports of accruals.

Operation	HTTP Method	URL Endpoint	Description
Perform Bulk Accrual Payouts	POST	/v1/timekeeping/accruals/payouts	Performs a bulk accrual payouts action.
Perform Bulk Accrual Resets	POST	/v1/timekeeping/accruals/resets	Performs a bulk accrual reset action.
Perform Bulk Accrual Suspension/Reinstate	POST	/v1/timekeeping/accruals/suspensions	Performs a bulk accrual suspension/reinstate.

### Accruals Bulk Update

Allows you to perform bulk updates of accruals.

Operation	HTTP Method	URL Endpoint	Description
Apply Updates to Accrual Balances—Multiple Employees	POST	/v1/timekeeping/accruals/updates	Bulk updates accrual balances.

### Adjustment Rules

This resource provides a set of operations that allow you to create, read, update, and delete Adjustment Rules.

Use Adjustment Rules to change wages or to pay extra, based on time entered in a timecard. Adjustments can be made based on multiple labor accounts and selection criteria, such as a job, a pay code, or both. Adjustments can also be effective dated.

Operation	HTTP Method	URL Endpoint	Description
Add an Adjustment Rule Version	POST	/v1/timekeeping/setup/adjustment_rules/{id}	Adds an Adjustment Rule Version to the specified Rule.
Create Adjustment Rule	POST	/v1/timekeeping/setup/adjustment_rules	Creates an Adjustment Rule.
Delete Adjustment Rule by ID	DELETE	/v1/timekeeping/setup/adjustment_rules/{id}	Deletes an Adjustment Rule by ID.
Retrieve Adjustment Rules	GET	/v1/timekeeping/setup/adjustment_rules	Returns a list of Adjustment Rules.
Update Adjustment Rule by ID	PUT	/v1/timekeeping/setup/adjustment_rules/{id}	Updates an Adjustment Rule by ID.



## Bonus and Deduction Rules

This resource allows you access to bonus and deduction rules. Bonuses and deductions are amounts that are automatically added to or deducted from timecards.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Bonus and Deduction Rules	GET	/v1/timekeeping/setup/deduct_rules	Returns a list of bonus and deduction rules.
Retrieve Bonus or Deduction Rule by ID	GET	/v1/timekeeping/setup/deduct_rules/{id}	Returns a bonus or deduction rule.

## Break Rules

This resource allows you access to break rules, which apply to any type of break or meal. The rules specify when a punch is a break and how punches round. The break definition has Break Lengths, Break Settings, and Rounds and Graces sections.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Break Rule by ID	GET	/v1/timekeeping/setup/break_rules/{id}	Returns a break rule.
Retrieve Break Rules	GET	/v1/timekeeping/setup/break_rules	Returns a list of break rules.

## Comments

The API support GET operation to retrieve the comments information.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Comments	GET	/v1/commons/comments	findComments

## Employment Terms

This resource provides create, read, update, and delete operations for managing an employment term.

Employment terms are legal contracts between employees and employers that establish the conditions of employment before the employee begins work.

Operation	HTTP Method	URL Endpoint	Description
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Create Employment Term	POST	/v1/timekeeping/setup/employment_terms	Creates an employment term.
Delete Employment Term by ID	DELETE	/v1/timekeeping/setup/employment_terms/{id}	Deletes an employment term by ID.
Retrieve Employment Term	GET	/v1/timekeeping/setup/employment_terms	Returns an employment term.
Retrieve an Employment Term	GET	/v1/timekeeping/setup/employment_terms/{id}	Returns an employment term.
Update Employment Term by ID	PUT	/v1/timekeeping/setup/employment_terms/{id}	Updates an employment term by ID.

### Pay Codes—Timekeeping

This resource allows you access to pay codes, which enable you to organize time or money that employees earn and identify spans of time for payroll purposes.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Pay Code Symbolic Values—Employee	GET	/v1/timekeeping/setup/employee_pay_code_symbolic_values	Returns a list of all Timekeeping Pay code symbolic values available to an employee.
Retrieve Pay Code Symbolic Values—Employee	GET	/v1/timekeeping/setup/employee_pay_code_symbolic_values/{id}	Returns a list of all Timekeeping Pay code symbolic values available to an employee.
Retrieve Pay Code Symbolic Values—Manager	GET	/v1/timekeeping/setup/pay_code_symbolic_values	Returns a list of all Timekeeping Pay code symbolic values available to a manager.
Retrieve Pay Code Symbolic Value—Manager	GET	/v1/timekeeping/setup/pay_code_symbolic_values/{id}	Return a Timekeeping pay code symbolic value available to a manager.
Retrieve Pay Code by ID—Employee	GET	/v1/timekeeping/setup/employee_pay_codes/{id}	Return a Timekeeping pay code available to an employee.
Retrieve Pay Code by ID—Manager	GET	/v1/timekeeping/setup/pay_codes/{id}	Return a Timekeeping pay code available to a manager.

Retrieve Pay Codes—Employee	GET	/v1/timekeeping/setup/employee_pay_codes	Returns a list of all Timekeeping pay codes available to an employee.
Retrieve Pay Codes—Manager	GET	/v1/timekeeping/setup/pay_codes	Returns a list of all Timekeeping pay codes available to a manager.

## Percentage Allocation Rules

This resource provides create, read, update, and delete operations for managing fixed percent allocation rules.

Use percentage allocation rules to allocate employee time across multiple labor accounts based on a selection criterion (labor account, job, or pay code). The rules are based on a pre-defined percentage distribution.

For example, an employee's daily time is allocated evenly between two labor accounts. The employee works eight hours. The system allocates four hours for each labor account on that day. On the following day, the employee works ten hours. If overtime is also allocated in the rule, the system allocates five hours in each labor account. If overtime is not included in the rule, the system allocates four hours for each labor account and two hours for overtime.

Operation	HTTP Method	URL Endpoint	Description
Add an FPARuleVersion into specified Rule	POST	/v1/timekeeping/setup/percentage_allocation_rules/{id}	Add an FPARuleVersion.
Create Percentage Allocation Rule	POST	/v1/timekeeping/setup/percentage_allocation_rules	Creates a fixed percentage allocation rule.
Delete Percentage Allocation Rule by ID	DELETE	/v1/timekeeping/setup/percentage_allocation_rules/{id}	Deletes a fixed percentage allocation rule by ID.
Retrieve Percentage Allocation Rules	GET	/v1/timekeeping/setup/percentage_allocation_rules	Returns a list of fixed percentage allocation rules.
Update Percentage Allocation Rule by ID	PUT	/v1/timekeeping/setup/percentage_allocation_rules/{id}	Updates a fixed percentage allocation rule by ID.

## Punches

The Punches resource allows you to add, delete, or change a punch object within the system. It also supports identifying child objects for Comments, Notes, Exceptions, and OrgJob. This resource supports rule transfers from an existing punch before and after the sign-off date. The associated Function Access Control Point is API.Timecard.

Punches are the entries on a timecard that mark the beginning (in-punch) or end (out-punch) of a work interval, such as the beginning of a shift or transfer. A punch registers, using a data collection device, employees' attendance at work, and their hours worked. Employees "punch" when starting or ending a shift, meal, or break. Employees can punch in a variety of ways, depending on the data collection device.

Operation	HTTP Method	URL Endpoint	Description
Import Punches—Multiple Employees	POST	/v1/timekeeping/punches/import	Imports one or more punches.

## Signoffs for Employee

The Signoffs resource allows you to retrieve employee timecard sign-off information, sign off an employee timecard, or remove an employee timecard sign-off. Timecard sign-off prevents further timecard and schedule edits and grants final approval to timecards before they are processed by payroll.

Operation	HTTP Method	URL Endpoint	Description
Delete Employee Timecard Signoff-Employee	DELETE	/v1/timekeeping/employee_timecard_signoffs	Deletes (removes) an employee timecard sign-off.
Retrieve Signoffs-Employee	GET	/v1/timekeeping/employee_timecard_signoffs	Returns employee timecard sign-off information.
Sign off Employee Timecard-Employee	POST	/v1/timekeeping/employee_timecard_signoffs	Signs off an employee timecard for a specified timeframe.

## Signoffs for Manager

The Signoffs resource allows you to retrieve employee timecard sign-off information, sign off an employee timecard, or remove an employee timecard sign-off. Timecard sign-off prevents further timecard and schedule edits and grants final approval to timecards before they are processed by payroll.

Operation	HTTP Method	URL Endpoint	Description
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Delete Employee Timecard Signoff-Manager	DELETE	/v1/timekeeping/timecard_signoffs	Deletes (removes) an employee timecard sign-off.
Retrieve Signoffs-Manager	GET	/v1/timekeeping/timecard_signoffs	Returns employee timecard sign-off information.
Sign off Employee Timecard-Manager	POST	/v1/timekeeping/timecard_signoffs	Signs off an employee timecard for a specified timeframe.

### Timecard Approvals for Employee

The Timecard Approvals for Employee resource allows the logged-in employee to add, retrieve, and delete (remove) approval of his or her own timecard.

Operation	HTTP Method	URL Endpoint	Description
Approve Timecard-Employee	POST	/v1/timekeeping/employee_timecard_approvals	Adds a timecard approval.
Remove Timecard Approvals-Employee	DELETE	/v1/timekeeping/employee_timecard_approvals	Deletes/removes employee timecard approval for the logged-in employee and given date range.
Retrieve Timecard Approvals-Employee	GET	/v1/timekeeping/employee_timecard_approvals	Returns a list of timecard approvals for the logged-in employee and given date range.

### Timecard Approvals for Manager

The Timecard Approvals for Manager resource allows a manager to add, retrieve, and delete (remove) manager approval of employee timecards.

Typically, after employees approve their timecards, a manager also reviews and approves them. Depending on the manager's access, the manager may also be able remove her approval to edit employee timecards or even edit them without removing her approval.

When employee timecards are ready for payroll processing, the manager signs off their timecards. Depending on the manager's access, she may also be able to remove her signoff to make additional changes. She cannot remove the approval after the timecard is signed off unless she removes her signoff first.

Before a manager approves or signs off a timecard, she should resolve any exceptions.

Operation	HTTP Method	URL Endpoint	Description
Approve Timecard-Manager	POST	/v1/timekeeping/timecard_approvals	Adds a timecard approval.
Remove Timecard Approvals-Manager	DELETE	/v1/timekeeping/timecard_approvals	Deletes/removes manager timecard approval for the given employee and date range.
Retrieve Timecard Approvals-Manager	GET	/v1/timekeeping/timecard_approvals	Returns a list of timecard approvals for the given employee and date range.

### Timecard Metrics

This resource allows you to access a range of metrics related to employee timecards, such as averages, exception counts, data related to full time and part time employees, projected, scheduled, actual, and corrected totals, accrual transactions and summaries, and total summaries broken down by projected, scheduled, and actual for shift totals and daily totals.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Timecard Data—Multiple Employees	POST	/v1/timekeeping/timecard_metrics/multi_read	Returns timecard data matching the specified search criteria.

### Timecard Settings

This resource allows you access to timecard settings. Operations against this resource allow you to create, read, update, and delete timecard settings data.

A timecard setting allows you to define what each employee sees in his or her timecard user interface. Such settings include the types of actions each employee can perform and which addons are displayed.

These settings apply only to the suite's main user interface and do not allow control over any aspect of third-party user interfaces built on the API.

Operation	HTTP Method	URL Endpoint	Description
Create Timecard Setting	POST	/v1/timekeeping/setup/timecard_settings	Creates a Timecard setting.
Delete Timecard Setting by ID	DELETE	/v1/timekeeping/setup/timecard_settings/{id}	Deletes a Timecard setting.
Retrieve Timecard Setting by	GET	/v1/timekeeping/setup/timecard_settings/{id}	Returns a Timecard setting.

ID

Retrieve Timecard Settings	GET	/v1/timekeeping/setup/timecard_settings	Returns a list of all Timecard settings.
Update Timecard Setting by ID	PUT	/v1/timekeeping/setup/timecard_settings/{id}	Updates a Timecard setting.

## Timecards

This powerful resource allows you to retrieve and update employee timecards as either an employee or a manager.

You can retrieve an employee's timecard as an employee or manager, or retrieve a list of timecards for multiple employees by providing employee identifiers or Hyperfind query details.

You can update virtually any aspect of an employee timecard, including totals, exceptions, punches, comments on punches and pay code edits, transfers, cost centers, pay rules, and annotations. Timecard updates support Pay from Schedule functionality. Please see the request model for each update operation for more information about incorporating timecards into your application.

### Qualifiers

The following qualifiers apply to operations against the Timecard resource:

- The Hyperfind qualifier is the Hyperfind name.
- The Symbolic Period qualifier is the pay period name.
- The Employee qualifier is the person number.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Timecards—Employee	POST	/v1/timekeeping/employee_timecard/multi_read	Returns a list of timecards matching specified search criteria.
Retrieve Timecards—Manager	POST	/v1/timekeeping/timecard/multi_read	Returns a list of timecards matching specified search criteria.
Retrieve Timecard—Employee	GET	/v1/timekeeping/employee_timecard	Returns an employee timecard by employee and timeframe.
Retrieve Timecard—Manager	GET	/v1/timekeeping/timecard	Returns a manager timecard by employee and timeframe.
Update Timecard—Employee	POST	/v1/timekeeping/employee_timecard	Updates a timecard for an employee as an employee.

Update Timecard— Manager	POST	/v1/timekeeping/timecard	Updates a timecard for an employee as a manager.
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## Timestamps

The Timestamps resource allows you to record in and out punches with a timestamp. Depending on your access rights, you may also be able to make job or work rule transfers and cancel meal or break deductions.

Operation	HTTP Method	URL Endpoint	Description
Add Timestamp	POST	/v1/timekeeping/timestamps	Adds a timestamp for a punch.
Retrieve MRU Transfers	GET	/v1/timekeeping/most_recently_used_transfers	Returns a list of the most recently used (MRU) transfers for the current user.
Retrieve Timestamp	GET	/v1/timekeeping/timestamps	Returns the last recorded timestamp.

## Work Rules

This resource allows you access to work rules, which are combinations of work rule building blocks that apply specific pay rules to shifts. These rules determine how employee hours accrue. A default work rule is usually part of a pay rule, but work rules can also be assigned in the timecard and Scheduler.

Operation	HTTP Method	URL Endpoint	Description
Retrieve Work Rule by ID—Employee	GET	/v1/timekeeping/setup/employee_work_rules/{id}	Retrieves one work rule for an employee.
Retrieve Work Rule by ID—Manager	GET	/v1/timekeeping/setup/work_rules/{id}	Returns a Timekeeping work rule available to a manager.
Retrieve Work Rules—Employee	GET	/v1/timekeeping/setup/employee_work_rules	Retrieves an employee's work rules.
Retrieve Work Rules—Manager	GET	/v1/timekeeping/setup/work_rules	Returns a list of all Timekeeping work rules available to a manager.