

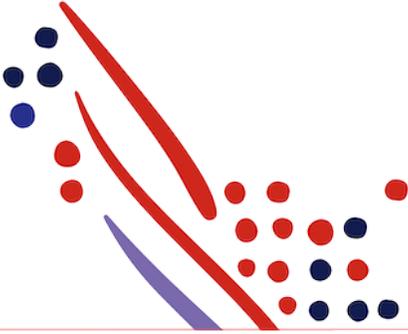
Guide

Common API Operations for RUN Powered by ADP

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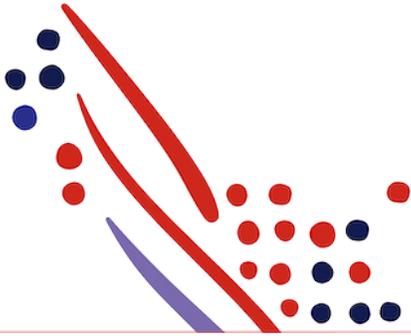


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Overview of ADP API Design Patterns

Overview

The ADP application programming interface (API) uniform resource identifier (URI) uses the following pattern:

`/events/{domain}/v{M}/{resource}-{subresource}.{verb}`

The following are the commonly used verbs:

- ADD for inserting a new object.
- CHANGE for updating an existing object.
- REMOVE for deleting an existing object.

For example, the URI to add a personal contact is:

`/events/hr/v1/worker.personal-communication.email.add`

Interacting with Common APIs

1. To retrieve the metadata related to an operation, call the associated meta API when available. For example, provide resources and resource requirements, such as required or optional, and if a reference API needs to be used for a resource.
2. Call the reference API as needed. A common reference API is a codeList API.
3. Expose resources to be captured in your application and enforce resource requirements according to the meta. For example, mark a field as required, or display a pick list for values returned by a codeList API.
4. Compose a request payload using the data captured and validated by your application.
5. Send the request to ADP.
6. Process the response.

Data Dictionary for Operation Common Resources



Important

The RUN Powered by ADP APIs follow a common design pattern to payload schemas. The following information provides you the list of common resources included in all RUN Powered by ADP APIs. In addition, each API has resources that are specific to the APIs covered in the various API guides.

Add Operation Request Payload

Resource Location	Description	Sample
<code>/events/data/eventContext</code>	Specifies the data which sets the context for the event. That is, the keys which set context.	<code>{"events": [{"data": {"eventContext": {}}]}</code>
<code>/events/data/eventC</code>	Specifies data for the worker associate ID.	<code>{"events": [{"data": {"eventContext": {"worker":</code>

ontext/ worker/associateOID		{"associateOID": ""}}}}
/events/data/transform	Specifies the JavaScript Object Notation (JSON) object which holds the information to which the worker is adding, updating, or removing.	{"events": [{"data": {"eventContext": {"worker": {"associateOID": ""}, "transform": {"worker": {"businessCommunication": {"email": {"emailUri": ""}}}}}}]}
/events/actor/associateOID	Specifies the unique identifier of an associate who originated the event.	{"events": [{"actor": {"associateOID": ""}}]}
/events/serviceCategoryCode/	Specifies the service domain, such as HR, Payroll, Benefits, and so on.	{"events": [{"serviceCategoryCode": {"codeValue": "workerInformationManagement"}}]}
/events/eventNameCode/	Specifies the canonical name of the event, such as worker.personalCommunication.email.add or worker.hire .	{"events": [{"eventNameCode": {"codeValue": "worker.personalCommunication.email.add"}}]}

Add Operation Response Payload

Resource Location	Description	Sample
/events/data/output	Specifies the result of the Event.	{"events": [{"data": {"output": {"worker": {"businessCommunication": {"email": {"emailUri": ""}}}, "eventContext": {"worker": {"associateOID": ""}}, "eventStatusCode": {"codeValue": "complete"}, "shortName": "complete"}}]}
/events/data/output/eventStatusCode/	Identifies the status of the event. created - An event that has been initiated by the system of record (SOR). inProgress - An event that is saved in a work in progress state. complete - An event that has been recorded. These values are set by the SOR and valued based on a standard codeslist.	{"events": [{"data": {"output": {"eventStatusCode": {"codeValue": "complete"}}}}]}
/events/eventID/	Specifies the unique identifier of the event instance. This is set by the SOR after an event is recorded as inProgress or complete .	{"events": [{"eventID": "a429ae7d-c8bb-45f4-8951-67b91c5446e7"}]}
/events/serviceCategoryCode/	Specifies the service domain, such as HR, Payroll, Benefits, and so on.	{"events": [{"serviceCategoryCode": {"codeValue": "workerInformationManagement"}}]}
/events/eventNameCode/	Specifies the canonical name of the event, such as worker.personalCommunication.email.add or worker.hire .	{"events": [{"eventNameCode": {"codeValue": "worker.personalCommunication.email.add"}}]}
/events/creationDateTime/	Specifies the date time the event is created .	{"events": [{"creationDateTime": ""}}]}
/events/recordDateTime/	Specifies the date time the event is recorded in the SOR with an event status code equal to complete .	{"events": [{"recordDateTime": ""}}]}
/events/originator/	Specifies a user, machine, or event that triggered the event.	{"events": [{"originator": {}}]}
/events/originator/associateOID/	Specifies the unique identifier of an associate who originated the event.	{"events": [{"originator": {"associateOID": ""}}]}

Change Operation Request Payload

Resource Location	Description	Sample
/events/data/eventContext	Specifies the data which sets the context for the event. That is, the keys which set context.	<pre>{ "events": [{"data": {"eventContext": {}}]}}</pre>
/events/data/eventContext/worker/associateOID	Specifies the data for the worker associate ID.	<pre>{ "events": [{"data": {"eventContext": {"worker": {"associateOID": ""}}}}]}</pre>
/events/data/transform	Specifies the JSON object which holds the information to which the worker is adding, updating, or removing.	<pre>{ "events": [{"data": {"eventContext": {"worker": {"associateOID": ""}, "transform": {"worker": {"businessCommunication": {"email": {"emailUri": ""}}}}}}]}</pre>
/events/actor/associateOID	Specifies the unique identifier of an associate who originated the event.	<pre>{ "events": [{"actor": {"associateOID": ""}}]}</pre>
/events/serviceCategoryCode/	Specifies the service domain, such as HR, Payroll, Benefits, and so on.	<pre>{ "events": [{"serviceCategoryCode": {"codeValue": "workerInformationManagement"}}]}</pre>
/events/eventNameCode/	Specifies the canonical name of the event, such as worker.personalCommunication.email.change .	<pre>{ "events": [{"eventNameCode": {"codeValue": "worker.personalCommunication.email.change"}}]}</pre>

Change Operation Response Payload

Resource Location	Description	Sample
/events/data/output	Specifies the result of the Event.	<pre>{ "events": [{"eventStatusCode": {"codeValue": "complete", "shortName": "complete"}, "data": {"eventContext": {"worker": {"associateOID": ""}}, "output": {"worker": {"businessCommunication": {"email": {"emailUri": ""}}}}}}]}</pre>
/events/data/output/eventStatusCode/	Identifies the status of the event. created - An event that has been initiated by the SOR. inProgress - An event that is saved in a work in progress state. complete - An event that has been recorded. These values are set by the SOR and valued based on a standard codeslist.	<pre>{ "events": [{"data": {"output": {"eventStatusCode": {"codeValue": "complete"}}}}]}</pre>
/events/eventID/	Specifies the unique identifier of the event instance. This is set by the SOR after an event is recorded as inProgress or complete .	<pre>{ "events": [{"eventID": "a429ae7d-c8bb-45f4-8951-67b91c5446e7"}]}</pre>
/events/serviceCategoryCode/	Specifies the service domain, such as HR, Payroll, Benefits, and so on.	<pre>{ "events": [{"serviceCategoryCode": {"codeValue": "workerInformationManagement"}}]}</pre>
/events/eventNameCode/	Specifies the canonical name of the event, such as worker.personalCommunication.email.change	<pre>{ "events": [{"eventNameCode": {"codeValue": "worker.personalCommunication.email.change"}}]}</pre>
/events/creationDateTime/	Specifies the date time the event is created .	<pre>{ "events": [{"creationDateTime": ""}]}</pre>

/events/recordDateTi me/	Specifies the date time the event is recorded in the SOR with an event status code equal to complete .	<code>{"events": [{"recordDateTime": ""}]}</code>
/events/originator/	Specifies a user, machine, or event that triggered the event.	<code>{"events": [{"originator": {}}]}</code>
/events/originator/as sociateOID/	Specifies the unique identifier of an associate who originated the event.	<code>{"events": [{"originator": {"associateOID": ""}]}</code>

Remove Operation Request Payload

Resource Location	Description	Sample
/events/data/eventC ontext	Specifies the data which sets the context for the event. That is, the keys which set context.	<code>{"events": [{"data": {"eventContext": {}}]}</code>
/events/data/eventC ontext/worker/ associateOID	Specifies data for the worker associate ID.	<code>{"events": [{"data": {"eventContext": {"worker": {"associateOID": ""}}}]}</code>
/events/data/transfor m	Specifies the JSON object which holds the information to which the worker is adding, updating, or removing.	<code>{"events": [{"data": {"eventContext": {"worker": {"associateOID": ""}}, "transform": {"worker": {"businessCommunication": {"email": {"emailUri": ""}}}}}]}</code>
/events/actor/associa teOID	Specifies the unique identifier of an associate who originated the event.	<code>{"events": [{"actor": {"associateOID": ""}}]}</code>
/events/serviceCatego ryCode/	Specifies the service domain, such as HR, Payroll, Benefits, and so on.	<code>{"events": [{"serviceCategoryCode": {"codeValue": "workerInformationManagement"}}]}</code>
/events/eventNameC ode/	Specifies the canonical name of the event, such as worker.personalCommunication.email.remove	<code>{"events": [{"eventNameCode": {"codeValue": "worker.personalCommunication.email.remove"}}]}</code>

Remove Operation Response Payload

Resource Location	Description	Sample
/events/data/output	Specifies the result of the Event.	<code>"events": [{"eventStatusCode": {"codeValue": "complete", "shortName": "complete"}, "data": {"eventContext": {"worker": {"associateOID": ""}}, "output": {"worker": {"businessCommunication": {"email": {"emailUri": ""}}}}}]}</code>
/events/data/output/ eventStatusCode/	Identifies the status of the event. created - An event that has been initiated by the SOR. inProgress - An event that is saved in a work in progress state. complete - An event that has been recorded. [These values are set by the SOR and valued based on a standard codeslist.	<code>{"events": [{"data": {"output": {"eventStatusCode": {"codeValue": "complete"}}}]}</code>
/events/eventID/	Specifies the unique identifier of the event instance. This is set by the SOR after an event is recorded as inProgress or complete .	<code>{"events": [{"eventID": "a429ae7d-c8bb-45f4-8951-67b91c5446e7"}]}</code>

/events/serviceCategoryCode/	Specifies the service domain, such as HR, Payroll, Benefits, and so on.	{"events": [{"serviceCategoryCode": {"codeValue": "workerInformationManagement"}}]}
/events/eventNameCode/	Specifies the canonical name of the event, such as worker.personalCommunication.email.remove .	{"events": [{"eventNameCode": {"codeValue": "worker.personalCommunication.email.remove"}}]}
/events/creationDateTime/	Specifies the date time the event is created .	{"events": [{"creationDateTime": ""}]}
/events/recordDateTime/	Specifies the date time the event is recorded in the SOR with an event status code equal to complete .	Specifies the date time the event is recorded in the SOR with an event status code equal to complete .
/events/originator/	Specifies a user, machine, or event that triggered the event.	{"events": [{"originator": {}}]}
/events/originator/associateOID/	Specifies data for the worker associate ID.	{"events": [{"originator": {"associateOID": ""}}]}