



Turbonomic 8.4.5 REST API Changes

February 9, 2022

This document describes issues that result in changes to the REST API. It is a running list of changes that accumulates these changes until the next release of the API Programming Guide. When we release a new version of the programming guide, it will include these changes. At that time, the list will start with new change to the API.

Because the API is a full reflection of the Turbonomic product, some changes to the product necessarily cause changes in the API. This can include bug fixes and improvements to the product. For example, we might add new commodities that you can get for a given entity type. Or a bug fix might change the data that is returned by an API request. We strive to make these changes backward-compatible whenever possible.

In some instances, we must make changes that are not backward-compatible. In this case, we deprecate the change for a period of time that should be sufficient for you to understand the change and implement an alternative in your scripts.

- For a list of upcoming deprecations, see [Appendix: API Deprecation Contract \(on page 2\)](#).

REST API Changes

- **Fixed Issue:**

Fix Version: 8.4.5

Customer Issue 118729

The GET /entities/{entity_Uuid}/groups endpoint is not included in the Swagger UI.

The Swagger documentation does not include an entry for the endpoint, `GET /entities/{entity_Uuid}/groups`.

- **Fixed Issue:**

Fix Version: 8.4.4

When you create groups with a case-insensitive filter, the group results can be unexpected.

For API scripts that create groups, if you set `caseSensitive = false` for a regex filter, the results can be unexpected. The group creation can fail, or you can create a group that does not contain the entities you expect. For example:

- **Fixed Issue:**

Fix Version: 8.4.1

Customer Issue 117853

Under some circumstances, the search endpoint can arbitrarily fail to return data.

Because of timing issues when updating cached group data, calls to the `search` endpoint can fail to return data.

- **Known Issue:**

A change to the Deprecation Contract.

For the release of Turbonomic version 8.5.1, we will *not* deprecate the following DTO fields:

- EntityDiscountApiDTO: discount
- BusinessUnitApiDTO: discount
- BusinessUnitPriceAdjustmentApiDTO: serviceDiscounts

API Deprecation Contract

The following endpoints, requests, DTOs, and parameters are deprecated in the Turbonomic API. The End of Life (EOL) gives the product version in which we will finalize these changes, and will no longer offer the deprecated items.

NOTE:

See the instructions for alternative usage for deprecated items with a defined EOL.

EOL: Not Determined

We deprecate the following features, but we have not determined which Turbonomic version marks their End of Life.

Endpoints	None
Requests	None

Request Parameters	None
DTOs	<ul style="list-style-type: none"> • DTO: ScenarioChangeApiDTO Instruction: Use the <code>loadChanges</code> or <code>configChanges</code> parameters in the <code>ScenarioApiDTO</code> .
DTO Parameters	<ul style="list-style-type: none"> • DTO: ScenarioApiDTO Parameter Name: <code>changes</code> Instruction: Use the <code>loadChanges</code> or <code>configChanges</code> parameters.

EOL: 8.5.1

Behavior Changes:

- Pagination of Returned Data

The default pagination will change for the following requests:

- `GET /groups`
- `GET /groups/<groupId>/members`
- `GET /groups/<groupId>/entities`
- `GET /targets/<targetId>/entities set`
- `GET /tags`
- `GET /tags/{tagKey}/entities`

To paginate returned data, the `limit`, `orderBy`, and `cursor` parameters control how the APIs paginate their data. Currently, if you do not specify a `limit` for the listed API requests, the API returns an unlimited set of data.

Starting with version 8.5.1, if you do not specify a `limit` for these requests, the API will paginate the data to a default limit. If your scripts make these requests without setting a limit, you should update them to check for a pagination cursor in the returned data.

We will make the following deprecation changes in the 8.5.1 release. These deprecated features will be removed from the API at that time.

Endpoints	None
Requests	<ul style="list-style-type: none"> • Request: <code>GET /users/onetimepassword</code> Instruction: Deprecated with no replacement. This is not required for any Turbonomic activities.
Request Parameters	None

DTOs	None
<p>DTO Parameters</p>	<ul style="list-style-type: none"> • DTO: ActionApiDTO Parameter Names: <ul style="list-style-type: none"> ◦ <code>currentLocation</code> ◦ <code>newLocation</code> Instruction: An action response no longer returns the following data to these parameters: <ul style="list-style-type: none"> ◦ <code>priceIndex</code> ◦ <code>state</code> ◦ <code>severity</code> ◦ <code>unplacementDetails</code> ◦ <code>costPrice</code> ◦ <code>severityBreakdown</code> ◦ <code>realtimeMarketReference</code> ◦ <code>consumers</code> ◦ <code>providers</code> ◦ <code>template</code> ◦ <code>numRelatedVMs</code> ◦ <code>connectedEntities</code> ◦ <code>aspects</code> ◦ <code>tags</code> ◦ <code>onDemandBeforeRate</code> ◦ <code>onDemandAfterRate</code> If you require these data, you can find the associated fields in <code>ActionApiDTO.currentEntity</code> and <code>ActionApiDTO.newEntity</code>. • DTO: CloudServicePriceAdjustmentApiDTO Parameter Name: <code>discount</code> Instruction: Use the <code>priceAdjustment</code> parameter. • DTO: CloudServicePricingModelApiDTO Parameter Name: <code>discount</code> Instruction: Use the <code>priceAdjustment</code> parameter.

	<ul style="list-style-type: none"> • DTO: <code>TemplatePriceAdjustmentDTO</code> Parameter Name: <code>discount</code> Instruction: Use the <code>priceAdjustment</code> parameter.
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EOL: 8.6.1

Behavior Changes:

- Pagination of Returned Data from `/search` requests:

For searches, the API paginates the returned data. If you do not specify a pagination limit, then the API returns pages set to the default limit. (This behavior was normalized all searches starting with version 8.5.1). Starting with version 8.6.1, the default and max pagination limits for search data will be 500. You can set pagination to less than 500, but if your search results include more than 500 entries, the results will be paginated. Your scripts should always check for a pagination cursor when processing search results.

We will make the following deprecation changes in the 8.6.1 release. These deprecated features will be removed from the API at that time.

Endpoints	None
Requests	None
Request Parameters	None
DTOs	<ul style="list-style-type: none"> • <code>ReportScheduleApiDTO</code> This release will remove <code>ReportScheduleApiDTO</code>.
DTO Parameters	<ul style="list-style-type: none"> • DTO: <code>ActionApiDTO</code> Parameter Name: <code>CurrentLocation</code> Instruction: The object in this parameter will only contain the following fields: <ul style="list-style-type: none"> ◦ <code>links</code> ◦ <code>uuid</code> ◦ <code>className</code> ◦ <code>displayName</code> ◦ <code>discoveredBy</code> ◦ <code>environmentType</code> ◦ <code>vendorIDs</code>

- **DTO: ActionApiDTO**
 Parameter Name: `NewLocation`
 Instruction: The object in this parameter will only contain the following fields:
 - `links`
 - `uuid`
 - `className`
 - `displayName`
 - `discoveredBy`
 - `environmentType`
 - `vendorIDs`
- **DTO: ProductVersionDTO**
 Parameter Name: `buildUser`
 Instruction: Deprecated with no replacement. This parameter was not set in the 8.x product family.
- **DTO: GroupApiDTO**
 Parameter Name: `remoteId`
 Instruction: Deprecated with no replacement. This parameter was not set in the 8.x product family.
- **DTO: UserApiDTO**
 Parameter Names:
 - `roleUuid`
 - `roleName`
 Instruction: Deprecated. Use the `roles` parameter in `UserApiDTO`.

API Deprecation History

The following endpoints, requests, DTOs, and/or parameters have been deprecated in the Turbonomic API. The End of Life (EOL) gives the product version in which we finalized these changes, and no longer support the deprecated items.

EOL: 8.4.3

We made the following deprecation changes in the 8.4.3 release. These deprecated features were removed from the API at that time.

Endpoints	None
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Requests	None
Request Parameters	<ul style="list-style-type: none"> Request: GET /search Parameter Name: regex Instruction: Use the queryType parameter.
DTOs	<ul style="list-style-type: none"> DTO: StatPercentileApiDTO Instruction: Use StatHistUtilizationApiDTO.
DTO Parameters	<ul style="list-style-type: none"> DTO: ActionApiDTO Parameter Name: resizeToValue Instruction: Use the newValue parameter. DTO: ActionScopesApiDTO Parameter Name: limitEntities Instruction: Use the limit parameter. DTO: BillingFamilyApiDTO Parameter Name: uuidToNameMap Instruction: Use the businessUnitApiDTOList parameter. DTO: BusinessUnitApiDTO Parameter Name: hasRelatedTarget Instruction: Use the associatedTargetId parameter. DTO: ScopeUuidsApiInputDTO Parameter Name: topologyContextId Instruction: Use the marketId parameter. DTO: StatApiDTO Parameter Name: percentile Instruction: Use the histUtilizations parameter. DTO: TargetApiDTO Parameter Name: currentBusinessAccount Instruction: Use the associatedTargetId parameter of the BusinessUnitApiDTO.