



Turbonomic 8.2.1 REST API Changes

June 2, 2021

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.

API Deprecation Contract

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 will finalize these changes, and will no longer offer the deprecated items.

NOTE:

Instructions for alternative usage are given for deprecated items with a defined EOL.

EOL: 8.4.1

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: ScenarioChangeApiDTO Instruction: Use the loadChanges or configChanges parameters in the ScenarioApiDTO. 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: ScenarioApiDTO Parameter Name: changes Instruction: Use the loadChanges or configChanges parameters. 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.

EOL: TBD

Endpoints	None
Requests	<ul style="list-style-type: none"> Request: GET /users/onetimepassword Request: POST /tags Request: DELETE /tags Request: DELETE /entities/{entity_Uuid}/tags/{tag_key} Request: DELETE /groups/{group_Uuid}/tags/{tag_key}
Request Parameters	<ul style="list-style-type: none"> Request: POST /tags Parameter Name: apiCallBlock
DTOs	<ul style="list-style-type: none"> DTO: ScenarioChangeApiDTO Instruction: Use the loadChanges or configChanges parameters in the ScenarioApiDTO. DTO: StatPercentileApiDTO Instruction: Use StatHistUtilizationApiDTO.
DTO Parameters	<ul style="list-style-type: none"> DTO: ActionApiDTO Parameter Name: progress DTO: HttpProxyDTO Parameter Name: portNumber DTO: LogEntryApiDTO Parameter Name: reasonCommodity DTO: MigrateObjectApiDTO Parameter Name: source DTO: MigrateObjectApiDTO Parameter Name: destination DTO: ProductVersionDTO Parameter Name: buildUser DTO: RangeApiDTO Parameter Name: customStepValues DTO: ServiceEntityApiDTO Parameter Name: placedOn DTO: ServiceEntityApiDTO Parameter Name: notPlacedOn DTO: ServiceEntityApiDTO Parameter Name: unplacedExplanation DTO: ServiceEntityApiDTO Parameter Name: remoteId

- DTO: UserApiDTO
Parameter Name: roleUuid
- DTO: UserApiDTO
Parameter Name: roleName

REST API Changes

- **Improvement:**

Fix Version: 8.2.1

The Reservations API includes new fields for "mode" and "grouping".

To implement affinity and anti-affinity rules in reservations, the Api now includes the following fields in the DemandReservationApiDTO:

- `grouping` - What provider entity type is the basis of the affinity rule for a reservation group. Can be one of:
 - `None` (no affinity)
 - `Cluster`
 - `Storage_Cluster`
 - `Datacenter`
- `mode` - What kind of affinity to use. Can be one of:
 - `DEFAULT`: No affinity. Entities of the same reservation can be placed across multiple reservation groupings.
 - `Affinity`: Entities of the same reservation will be placed within the same reservation grouping.
 - `Anti_affinity`: Entities of the same reservation will be placed in different reservation groupings.

- **Fixed Issue:**

Fix Version: 8.2.1

Customer Issue 114945

When you use the API to get the "numVMs" stats for an unsupported scope, the API returns a value of zero.

When you execute the `api/v3/stats?ascending=true` request, you typically set a scope for the request. When requesting the `numVMs` stat, the scope must be a cluster. If you set a different type of scope, the data returns zero for the number of VMs. This is misleading, because it implies that there are no VMs in that scope. Instead, the returned value should indicate that you used an invalid scope.

- **Fixed Issue:**

Fix Version: 8.2.1

Customer Issue 114742

Using the API to get the Global Defaults policy returns invalid data.

To query for the Global Defaults policy, you can use the following request:

`api/v3/settingspolicies/55555`

However, this request returns an invalid payload, with no policy data in it.

- **Fixed Issue:**

Fix Version: 8.2.0

Customer Issue

After the licensed workload capacity has been exceeded, you can still add targets via the API.

Turbonomic licensing specifies the number of workloads you can manage via targets. However, if you exceed the licensed capacity of workloads, you can still add new targets via the API, which increases the workload count.