



Turbonomic 7.22.8 REST API Changes

September 4, 2020

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.

REST API Changes

- **Improvement:**
Fix Version: 7.22.8
For user roles, the role that was named `READ_ONLY` is now named `OPERATIONAL_OBSERVER`.
- **Improvement:**
Fix Version: 7.22.7
The `/topologydefinition` API calls have been promoted to general use.
- **Improvement:**
Fix Version: 7.22.8
API response for RIs now include the associated `targetId` if applicable.
- **Improvement:**
The IOPS Utilization for virtual machine entities can now be set via policy.
The `marketsettingsmanager` now contains a `resizeTargetUtilizationIops` parameter which can be used to set the IOPS utilization of virtual machine entities.
- **Improvement:**

Fix Version: 7.22.8

Reservations in the state "IN_PROGRESS" can now be deleted in both the API and UI.

- **Improvement:**

Fix Version: 7.22.7

With this release, you can now filter lists of Database Servers by the database Service, Engine, Edition, and Version.

The following filters have been added to the API:

- databaseServerByService
- databaseServerByEngine
- databaseServerByEdition
- databaseServerByVersion

- **Fixed Issue:**

Fix Version: 7.22.8

Statistics calls for cluster entities will now complete successfully for all other stats if the `priceIndex` is requested as part of filtering but there is no value present.

Additionally, if the `priceIndex` is being calculated at the time of the call, the API will return the last valid `priceIndex` value. Example JSON response:

```
"stats": [
  {
    "date": "2020-08-12T11:04:23-04:00",
    "statistics": [
      {
        "name":
          "CPU",
        "capacity": {
          "max": 10400,
          "min": 10400,
          "avg": 10400,
          "total": 10400,
          "totalMax": 10400,
```


...

- **Fixed Issue:**

Fix Version: 7.22.7

The policy types `BIND_TO_GROUP_AND_GEO_REDUNDANCY` and `AT_MOST_NBOUND` are no longer supported and will throw an `IllegalArgumentException`.

There is no replacement for `BIND_TO_GROUP_AND_GEO_REDUNDANCY`, and `AT_MOST_N_BOUND` (Note the underscore after "N") supersedes `AT_MOST_NBOUND`

- **Known Issue:**

Fix Version: 7.22.9

Customer Issue 112516

When requesting `numVMs` and headroom stats (such as `MemHeadroom`), the results will include different timestamps: `Midnight`, representing the headroom stats, and the time of the last discovery representing the `numVMs` stats.