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# Workload Optimization Manager 3.6.3

## REST API Changes

March 24, 2023

This document describes issues that result in changes to the REST API. It is a running list of changes that accumulates 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, this list will start with new changes to the API.

Because the API is a full reflection of the Workload Optimization Manager 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 [API Deprecation Contract \(on page 6\)](#).

## REST API Changes

For this release, there are no new API changes to report. API changes from the previous version family are incorporated in the new API Guide.

For a list of features deprecated in this release, see [API Deprecation History \(on page 1\)](#).

## API Deprecation History

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

### **EOL: 8.8.1**

These deprecated features are removed from the API.

|                    |  |
|--------------------|--|
| Endpoints          | None   |
| Requests           | <ul style="list-style-type: none"> <li>▪ GET /search/market/<br/><b>Instead, use GET /markets</b></li> <li>▪ GET /search/target/<br/><b>Instead, use GET /targets</b></li> <li>▪ GET /groups/&lt;groupId&gt;/actions/&lt;actionId&gt;<br/><b>Do not use this call (not implemented).</b></li> <li>▪ GET, POST /target/&lt;targetId&gt;/stats<br/><b>Do not use this call (not implemented).</b></li> <li>▪ GET /businessunits/&lt;busUnitId&gt;/stats<br/><b>Instead, use GET /entities/&lt;entityId&gt;/stats or GET /stats/&lt;entityId&gt;/stats. These calls use the business unit entity ID.</b></li> <li>▪ POST /businessunits/&lt;busUnitId&gt;/stats<br/><b>Instead, use POST /stats/&lt;entityId&gt;/stats or POST /stats.</b></li> </ul> |
| Request Parameters | None   |
| DTOs               | None   |
| DTO Parameters     | None   |
| ENUM Values        | <ul style="list-style-type: none"> <li>▪ entityType:VMSpec<br/><b>Use VirtualMachineSpec instead</b></li> <li>▪ entityTypes:VMSpec<br/><b>Use VirtualMachineSpec instead</b></li> <li>▪ entityTypeFilter:VMSpec<br/><b>Use VirtualMachineSpec instead</b></li> <li>▪ providerEntityType:VMSpec<br/><b>Use VirtualMachineSpec instead</b></li> <li>▪ relatedEntityType:VMSpec<br/><b>Use VirtualMachineSpec instead</b></li> <li>▪ providerType:VMSpec<br/><b>Use VirtualMachineSpec instead</b></li> </ul>   |

## EOL: 8.7.1

These deprecated features are removed from the API.

|           |  |
|-----------|--|
| Endpoints | None   |
| Requests  | <ul style="list-style-type: none"> <li>▪ DELETE /entities/&lt;entityId&gt;/tags/&lt;tagKey&gt;<br/><b>Instead, use DELETE /entities/&lt;entityId&gt;/tags?key=&lt;tagKey&gt;</b></li> <li>▪ DELETE /groups/&lt;groupId&gt;/tags/&lt;tagKey&gt;<br/><b>Instead, use DELETE /groups/&lt;groupId&gt;/tags?key=&lt;tagKey&gt;</b></li> </ul> |

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| Request Parameters | None   |
| DTOs               | <ul style="list-style-type: none"> <li>LicenseApiInputDTO<br/>Instruction: Use LicenseApiDTO.</li> </ul>   |
| DTO Parameters     | <ul style="list-style-type: none"> <li>DTO: HttpProxyDTO<br/>Parameter Name: portNumber<br/>Instruction: Use proxyPortNumber.</li> <li>DTO: LogEntryApiDTO<br/>Parameter Name: reasonCommodity<br/>Instruction: Use the array, reasonCommodities.</li> </ul> |

## EOL: 8.6.1

### Behavior Changes:

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

For searches, the API paginates the returned data. Starting with version 8.6.1, the default pagination limit is 100 entries, and the maximum pagination limit is 500. If you do not specify a pagination limit, then the API returns pages set to the default limit of 100. If you make no settings, and your search results include more than 100 entries, the results will be paginated. Your scripts should always check for a pagination cursor when processing search results.

You can change these settings in the Workload Optimization Manager `cr.yaml` file. Find the entries for:

- `apiPaginationDefaultLimit`
- `apiPaginationMaxLimit`

We made the following deprecation changes in the 8.6.1 release. These deprecated features were removed from the API at that time.

|           |      |
|-----------|------|
| Endpoints | None |
| Requests  | None |

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|--------------------|--|
| Request Parameters | None   |
| DTOs               | <ul style="list-style-type: none"> <li>ReportScheduleApiDTO<br/>This release will remove ReportScheduleApiDTO.</li> </ul>  |
| DTO Parameters     | <ul style="list-style-type: none"> <li> <b>DTO: ActionApiDTO</b><br/> <b>Parameter Name: CurrentLocation</b><br/> <b>Instruction: The object in this parameter will only contain the following fields:</b> <ul style="list-style-type: none"> <li>links</li> <li>uuid</li> <li>className</li> <li>displayName</li> <li>discoveredBy</li> <li>environmentType</li> <li>vendorIDs</li> </ul> </li> <li> <b>DTO: ActionApiDTO</b><br/> <b>Parameter Name: NewLocation</b><br/> <b>Instruction: The object in this parameter will only contain the following fields:</b> <ul style="list-style-type: none"> <li>links</li> <li>uuid</li> <li>className</li> <li>displayName</li> <li>discoveredBy</li> <li>environmentType</li> <li>vendorIDs</li> </ul> </li> <li> <b>DTO: ProductVersionDTO</b><br/> <b>Parameter Name: buildUser</b><br/> <b>Instruction: Deprecated with no replacement. This parameter was not implemented in the 8.x product family.</b> </li> </ul> |

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|  | <ul style="list-style-type: none"> <li>           DTO: GroupApiDTO<br/>           Parameter Name: <code>remoteId</code><br/>           Instruction: Deprecated with no replacement. This parameter was not implemented in the 8.x product family.         </li> <li>           DTO: UserApiDTO<br/>           Parameter Names:           <ul style="list-style-type: none"> <li>- <code>roleUuid</code></li> <li>- <code>roleName</code></li> </ul> </li> </ul> <p>Instruction: Deprecated. Use the <code>roles</code> parameter in UserApiDTO.</p> |
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## 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`
- `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 specify any one of these parameters, the API paginates the returned data. If you do not specify any of these parameters, the API does not paginate the output, and it 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 made the following deprecation changes in the 8.5.1 release. These deprecated features were removed from the API at that time.

|                    |   |
|--------------------|---|
| Endpoints          | None  |
| Requests           | <ul style="list-style-type: none"> <li>           Request: <code>GET /users/onetimepassword</code><br/>           Instruction: Deprecated with no replacement. This is not required for any Workload Optimization Manager activities.         </li> </ul> |
| Request Parameters | None  |
| DTOs               | None  |
| DTO Parameters     | None  |

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

## API Deprecation Contract

The following endpoints, requests, DTOs, and parameters are deprecated in the Workload Optimization Manager 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: 8.9.1

We will make the following deprecation changes in the 8.9.1 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"> <li>           DTO: ScenarioChangeApiDTO<br/>           Instruction: Use the <code>loadChanges</code> or <code>configChanges</code> parameters in the <code>Scenario-ApiDTO</code>.         </li> </ul>           |
| DTO Parameters     | <ul style="list-style-type: none"> <li>           DTO: ScenarioApiDTO<br/>           Parameter Name: <code>changes</code><br/>           Instruction: Use the <code>loadChanges</code> or <code>configChanges</code> parameters.         </li> </ul> |

## EOL: 8.10.1

We will make the following deprecation changes in the 8.10.1 release. These deprecated features will be removed from the API at that time.

|                    |  |
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| Endpoints          | None   |
| Requests           | None   |
| Request Parameters | None   |
| DTOs               | None   |
| DTO Parameters     | <ul style="list-style-type: none"> <li>           DTO: StatApiInputDTO<br/>           Parameter Name: <code>costPrice</code><br/>           Instruction: Use the dedicated <code>cost</code> endpoints in <code>/entities</code>, <code>/groups</code>, and <code>/markets</code> instead.         </li> </ul> <p><b>NOTE:</b><br/>These are marked "In Development" currently but will reach GA soon.</p> <ul style="list-style-type: none"> <li>- <code>/entities/{entity_Uuid}/cost</code></li> <li>- <code>/groups/{group_Uuid}/cost</code></li> <li>- <code>/markets/{market_Uuid}/cost</code></li> </ul> |