**TE REST APIg**

**Improvements**

# **Introduction**

This documents can be used to write down every possible improvement for existing features that we detect during the development or testing processes.

**Proposals**

1. Different criteria for empty description filters.
   1. Some filters allow searching for empty descriptions (correct)
   2. Others don’t (incorrect)
2. Different criteria for malformed bodies when specifying
   1. Some endpoints return 400 (correct)
   2. Others return 404 (incorrect)
3. Boolean filters should be validated
   1. Most endpoints use boolean filters that can’t be validated, those should be replaced by string filters that should be validated.
   2. Also allow restricted values in Swagger
4. Missing errors cases in group linking endpoints
   1. Some endpoints allow to delete non existent links
   2. Some endpoints allow to create existent links
   3. Cyclic linking
   4. Put root groups inside other groups
5. The invalid and not found parameters included in the request body should display a 400 error code (Bugs: 336 and 333)
6. No TE license is verified when using rest-api (B-82882)
7. Order in Swagger:
   1. The order of the filter parameters in swagger is different in all endpoints
   2. Put Custom Property and Put Tasks have the id field after the request body
8. Include the following information in Swagger:
   1. Connected user
   2. Object count
9. The filter (deletedTimeRange) in the deletions endpoint displays empty list {} when the difference is 1 ms. e.g.: <https://localhost/api/v1/deletions?deletedTimeRange=2017-01-17T12:43:22.077Z,2017-01-17T12:43:22.078Z>
10. Create an endpoint to reset the statistics
11. Code refactor for NodeBusinessImpl and other business objects
12. Include the policyIds [] field in Get policyTests endpoint or create a new endpoint to display the information
13. Error codes in swagger descriptions: Swagger- Endpoints and Error Codes <https://drive.google.com/drive/u/0/folders/0B-3WW3x1dYwhfm5ENFhqWXVhR09qMWQ3cjFCR0poRm9HZThqYUFhdUl5cm5rOTFubkVCWnc>
14. Handle 500 errors like: <https://10.248.169.20/api/v1/sub_name=IOS>
15. Handle the 500 error when executing post version request using the following content: "%252F"
16. Upgrade to Guice 4 if possible, to be able to inject CapTargetRuleFilters in TaskBusinessImpl

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# **Done**

1. Change purge commands logging level to debug
2. Optimize the performance for get /api/v1/policytestresutls/\_extract for TE with SQLServer database

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# **Other documents**

Automation Improvements

<https://docs.google.com/document/d/1ybkddadU2U9gPnc7Ot0wz4JjC5E-Ki1YlU5AddhGBBQ/edit>

Data Adapter Improvements (2 improvements)

<https://docs.google.com/document/d/1-RAp8rr-NcXfCsE5FxfL28Y3T3xngBLeX2VJqapifRs/edit>

Data Adapter Automation Improvements

Datagen Tool Improvements (3 improvements)

<https://docs.google.com/document/d/1vrBKMd7jk922kpEbt7Aspnx0x9BmdqPAzjfLIblhL0w/edit>