

THEORIES

Note:

- caricare i fatti nella post di una teoria necessita del "." dopo i singoli fatti;
- fare una post di un fatto successivo deve avvenire senza il ".";
- l'update di un fatto sostituisce il primo che compare nella teoria con quel functor name.

Accept: application/json

Content-Type: text/plain

```
Theory - A:
{
  "timestamp": "",
  "version": "",
  "name": "",
  "link": "",
  "facts": [
    prologterm,
    prologterm
  ],
}
```

- **GET /theories**
"getTheories"
--> *Gets all theories*

Returns: [A, A, A, ...]
- **GET /theories/:name**
"getTheory"
--> *Gets a specific theory*

Returns: A
- **GET /theories/:name/history/:version**
"getTheoryVersion"
--> *Gets a specific version of a specific theory*

Returns: A
- **GET /theories/:name/facts/:functor**
"getTheoryFacts"
--> *Gets all the facts for a specific functor in a theory*

Returns: [fact, fact, fact, ...]

- **GET /theories/:name/facts/:functor/history/:version**
"getTheoryFactsVersion"
--> Gets all the facts for a specific functor in a specific theory version

Returns: [fact, fact, fact, ...]
- **POST /theories** {params: theory name, body: text plain with prolog syntax}
"addNewTheory"
--> Adds a new theory

Returns: A
- **POST /theories/:name** {body: text plain with prolog syntax}
"addNewTheoryVersion"
--> Updates an already existing theory

Returns: A
- **POST /theories/:name/facts/** {body: text plain with prolog syntax}
"addNewFactToTheory"
--> Adds a new fact to a theory

Returns: A
- **PUT /theories/:name/facts/:functor** {body: text plain with prolog syntax}
"updateFactInTheory"
--> Replaces the first fact that appears with that functor name

Returns: A
- **DELETE /theories/:name**
"removeTheory"
--> Deletes an existing theory

Returns: NOTHING (just http status code)

GOALS

Accept: application/json

Content-Type: text/plain

```
Goal - A:
{
  "name": "{name}",
  "link": "https://www.lpaas.example/goals/{name}",
  "subGoals": [
    B,
    B,
    ...
  ]
}

SubGoal - B:
{
  "name": "goal(X)",
  "link": "https://www.lpaas.example/goals/{name}/{index}"
}
```

- **GET /goals**
"getGoalLists"
--> Gets all the goals

Returns: [A, A, A, ...]
- **GET /goals/:name**
"getGoalList"
--> Gets a specific goal

Returns: A
- **GET /goals/:name/:index**
"getSubGoal"
--> Gets a specific subgoal of a specific goal

Returns: B
- **POST /goals** {body: A or string}
"addNewGoalList"
--> Adds a new goal

Returns: A
- **POST /goals/:name** {body: A or string}
"addNewSubGoal"
--> Adds a new subgoal for a specific, already existing goal

Returns: A

- **PUT /goals/:name** {body: A}
"replaceGoalList"

--> *Replaces all the subgoals for a specific, already existing goal*

Returns: A

- **PUT /goals/:name/:index** {body: A or string}
"replaceSubGoal"

--> *Replaces the subgoal with a specific index for a specific goal*

Returns: NOTHING (just http status code)

- **DELETE /goals/:name**
"removeGoalList"

--> *Deletes an existing goal*

Returns: NOTHING (just http status code)

SOLUTIONS

Accept: application/json

Content-Type: application/json

```
Solutions - A:
{
  "version": 0,
  "timestamp": "2018-12-11T08:19:40.052Z",
  "link": "https://www.lpaas.example/solutions/hookname",
  "solutions": [
    "a(b)",
    "c(X)"
  ]
}
```

N.B. L'hook "last" non ritorna l'ultima solution inserita e lancia eccezione

- **POST /solutions** {body: goals-link, theory-link}
"addNewSolutionSet"
--> *Creates a new solution-set request*

Returns: A
- **GET /solutions/**
"getHooks"
--> *Retrieves the last version of all the solution-sets*

Returns: A
- **GET /solutions/:hook**
"getHook"
--> *Retrieves the last version of a solution-set*

Returns: A
- **GET /solutions/:hook/history/:versionOrTimestamp**
"getHookVersion"
--> *Retrieves a specific version of a solution-set*

Returns: A
- **DELETE /solutions**
"removeAll"
--> *Deletes all the solution-sets*

Returns: NOTHING (just http status code)
- **DELETE /solutions/:hook**
"removeHook"
--> *Deletes a solution-set (and all its versions)*

Returns: NOTHING (just http status code)

- **DELETE /solutions/:hook/history/:versionOrTimestamp
"removeHookVersion"**

--> *Deletes a solution-set specific version*

Returns: NOTHING (just http status code)