

url_prefix = addr:port/api/v1

the http status code will be 200 if success and 400 if failed

get /services

action: query active services

return:

success: a list of active services in json format

failed: reasons

post /services

action: register a service

accept: {'type': type, 'name': name} in json format

return:

success: the created service in json format

failed: reasons

post /services/<id>/pulse

action: notify the task manager that the service with id is active

return:

success: the service in json format

failed: reasons

get /tasks

action: query tasks

accept: query filters

return:

success: tasks list in json format

failed: reasons

example:

get /tasks

get /tasks?id=1&status=processing

get /tasks/<id>

action: query task

return:

success: task in json format

failed: reasons

get /tasks/<id>/<property>

action: query property

return:

success:property in json format

failed:reasons

get /tasks/top/<type>/<name>/<cnt>

action: query top tasks

return:

success: top n ($n \leq \text{cnt}$) tasks list in json format

failed: reasons

post /tasks

action: post task

accept: json format data

return:

success:created task

failed:reasons

post /tasks/<id>/status/<status>

action: update status

return:

success:updated task

failed:reasons

post /tasks/<id>/comments

action: add comment

accept: json format comment

return:

success:updated task

failed:reasons