## http请求说明:

action="http://172.17.6.180:8080/omp/topo" method="post"

## 一、根据设备类型与产品分组查询主机信息

输入：

json={

"key":"topo.server.list",

"data":{

"iphost":"1"//主机名或者IP,没有则为””,

"pdId":"1", //产品id,没有则为””

“deviceid”:”12”//设备类型id

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":

[{"id":17362,"ip":"172.17.3.86","hostName":"optserver.mpay.com"},

{"id":15882,"ip":"172.17.6.180","hostName":"srvcntl01"

}],"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二、根据ID获取设备类型信息

输入：

json={

"key":"topo.server.get",

"id":"15882"

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{"id":17456,

"ip":"172.50.50.53",//IP地址

"hostName":"test4",//主机名

"room":"GDC",//机房

"cabinet":"机柜2",//机柜

"product":null,//所属产品

"os":"win12",//操作系统

"vm":2,//物理机还是虚拟机, 1-物理机 2-虚拟机

"environment":"1",//所属环境,1-运维镜像，2--生产，3--测试镜像，4--测试，5--开发

"serverModel":"2",//服务器型号

"phyServerHostname":"test9"//如果是虚拟机，则为对应物理机的主机名

},"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 三、创建拓扑图入库

输入：

json={

"key":"topo.info.create",

"serverInfo":"17453, test1;17760, optserver.mpay.com2",

//17453为设备id，test1为取的节点名，如果有多个节点，节点之间用;分割，没有节点为空或逻辑拓扑图此字段也为空

"topoInfo":"55, dd; 56, rrt", //55为子拓扑图id，dd为拓扑图名，字符串格式同上，没有的话为空

"serviceInfo":"pmsignlist, omp\_icealarm", //服务名，没有为空或物理拓扑图此字段也为空

"ids":"21,34", //子拓扑图id列表,没有为空

"data":{

"topoName":"abc", //拓扑图名称

"nodes":"3", //拓扑图节点数

"graph":"gdnbgd", //拓扑图图形

"data":"gdnbgd", //拓扑图数据

"creator":"gfbhf", //创建人

"environment":1, //环境

"topoType":1 //1:物理图,2:逻辑图

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{

},

"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 四、更新拓扑图数据

输入：

json={

"key":"topo.info.update",

"serverInfo":"17453, test1;17760, optserver.mpay.com2",

//17453为设备id，test1为取的节点名，如果有多个节点，节点之间用;分割，没有节点为空或逻辑拓扑图此字段也为空

"topoInfo":"55, dd; 56, rrt", //55为拓扑图id，dd为拓扑图名，字符串格式同上，没有的话为空

"serviceInfo":"pmsignlist, omp\_icealarm", //服务名，没有为空或物理拓扑图此字段也为空

"ids":"23,24", //子拓扑图id列表,没有为空

"data":{ "topoId":"3", //拓扑图ID

"topoName":"abc", //拓扑图名称

"nodes":"3", //拓扑图节点数

"graph":"gdnbgd", //拓扑图图形

"data":"gdnbgd", //拓扑图数据

"creator":"gfbhf", //创建人

"environment":1, //环境

"topoType":1 //1:物理图,2:逻辑图

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{

},

"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 五、根据ID查询拓扑图详细信息

输入：

json={

"key":"topo.info.get",

"id":"3", //拓扑图ID

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{"topoId":3,

"topoName":"abc",

"nodes":3,

"graph":"gdnbgd",

"data":"ffafffaffff",

"createDate":"2016-01-1417:43:39.0", //创建日期

"creator":"gfbhf",

"environment":1

}, //data中数据参数说明同上面输入

"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 六、根据ID删除拓扑图

输入：

json={

"key":"topo.info.delete",

"id":"3", //拓扑图ID

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{}, "pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 七、批量删除拓扑图

输入：

json={

"key":"topo.info.deletebatch",

"ids":"3,4,5", //拓扑图ID列表

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{}, "pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 八、显示拓扑图列表信息

输入：

json={

"key":"topo.listinfo.get",

"page":{"pageNo":"1","pageSize":"20"},

"data":{

"topoName":"777", //拓扑图名称,没有则为空

"environment":1 , //环境，不能为空

"topoType":1 //1:物理图,2:逻辑图,不能为空

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS","data":[{"topoId":54,"topoName":"777","nodes":7,"createDate":"2016-03-01 10:53:50","environment":1,"topoType":1,"creator":"Admin"}],"pageNo":1,"pageSize":20,"totalPage":1,"total":1}

## 九、获取物理拓扑图基本信息

输入：

json={

"key":"topo.info.summary",

"ids":"3,4,5" //拓扑图中节点的ID列表

"topoIds":"3" //拓扑图中的子拓扑图ID列表,没有则为空

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{

"topoInfo":[{"topoId":54,"topoName":"777","nodes":7,"createDate":"2016-03-08 16:36:28.0","environment":1,"topoType":1,"creator":"Admin"}],

"serverInfo":[{"id":17453,

"ip":"172.17.6.156",//IP地址"hostName":"test1",//主机名

"vm":1, //物理机还是虚拟机, 1-物理机 2-虚拟机

"environment":"5",//所属环境,1-运维镜像，2--生产，3--测试镜像，4--测试，5--开发"deviceId":"17750","deviceName":"路由器",

"iconUrl":"other.png",//设备对应图标

"warns":"2"},//告警数

{"id":17454,"ip":"172.50.50.51","hostName":"test2","vm":1,"environment":"1","deviceId":"17750","deviceName":"路由器","iconUrl":"other.png","warns":"0"}]},"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 十、获取拓扑图节点的告警基本信息

输入：

json={

"key":"topo.node.summary",

"ip":"172.17.3.88" //拓扑图中节点的IP

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{[{"service":"monitor-agent",//服务名

"pid":"1234",//服务进程号

"status":"0",//服务状态 0-运行中；1-已挂掉；2-异常

"path":"/usr/local/monitor",//所在路径

"verion":"1.0.0",//服务版本

"time":"1小时20分",//持续时间

"warns":"8"//告警数}]},

"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 十一、获取拓扑图节点的告警详细信息

输入：

json={

"key":"topo.node.detail",

"ip":"172.17.3.88" ,//拓扑图中节点的IP

"service":"monitor-agent",//服务名

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{[{"element":"0020",//告警元素

"info":"进程挂掉",//告警信息

"time":"2016-01-12 17:13:52",//告警时间

"remark":"/usr/local/monitor",//备注

}]},

"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 十二、获取设备类型列表(list)

输入：

json={

"key":" topo.devicetype.list",

“data”:{

“deviceName”:”路由器”//模糊查询的设备名称

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":

[{"deviceid":"1",//设备ID

"deviceName":"服务器",//设备名称

"deviceDemo":"服务器",//备注

"operator":"admin",//操作人

"iconurl":null//图标url

},

{"deviceid":"2","deviceName":"路由器","deviceDemo":"路由器","operator":"admin"}],"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 十三、添加设备类型信息

输入：

json={

"key":" topo.devicetype.create",

“data”:{

"deviceName":"路由器",//设备类型名称

"deviceDemo":"备注",//备注

"operator":"admin",//操作人

"iconurl":null//图标url

}

}

输出：

{"errorCode":0,// 非0失败

"errorMessage":"SUCCESS",//失败时表示失败信息

"data":"","pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 十四、更新设备类型信息

输入：

json={

"key":" topo.devicetype.update",

“id”:”12”,//设备类型id

“data”:{

"deviceName":"路由器",//设备类型名称

"deviceDemo":"备注",//备注

"operator":"admin",//操作人

"iconurl":null//图标url

}

}

输出：

{"errorCode":0,// 非0失败

"errorMessage":"SUCCESS",//失败时表示失败信息

"data":"","pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 十五、分页获取设备类型信息

输入：

json={

"key":"topo.devicetype.search",

"page":{"pageNo":"1","pageSize":"20"},

“data”:{

"deviceName":"路由器",//设备类型名

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS","data":[{"deviceid":"17464","deviceName":"路由器","deviceDemo":"备注","operator":"admin","iconurl":null//图标url

},{"deviceid":"2","deviceName":"路由器test","deviceDemo":"备注","operator":"admin","iconurl":null//图标url

}],"pageNo":1,"pageSize":20,"totalPage":1,"total":2}

## 十六、删除设备类型信息

输入：

json={

"key":"topo.devicetype.delete",

"id":"2"//设备类型id

}

输出：

{"errorCode":0,// 非0失败

"errorMessage":"SUCCESS",//失败时表示失败信息

"data":"","pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 十七、批量删除设备类型信息

输入：

json={

"key":" topo.devicetype.deletebatch",

"ids":"22,33"//设备类型id,多个用逗号隔开

}

输出：

{"errorCode":0,// 非0失败

"errorMessage":"SUCCESS",//失败时表示失败信息

"data":"","pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 十八、获取单个设备类型信息

输入：

json={

"key":" topo.devicetype.get",

"id":" 17464"//设备类型id

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{"deviceid":"17464",

"deviceName":"路由器1",//设备类型名称

"deviceDemo":"备注",

"operator":"admin",

"iconurl":null//图标url

},"pageNo":0,"pageSize":0,"totalPage":0,"total":0

## 十九、根据产品id查询是否设置图标

输入：

json={

"key":"topo.producticon.search",

"id":"15874", //产品ID

"data":{

}

}

输出：

{"errorCode":0,// 非0失败

"errorMessage":"SUCCESS",//失败时表示失败信息

"data":"","pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二十、分页获取产品信息列表

输入：

json={

"key":"topo.products.list",

"page":{"pageNo":"1","pageSize":"20"},

"data":{

" pdName":"scm", //产品名,没有则为空

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS","data":[{"pdId":15874,"pdName":"scm","pdDemo":null,"pdIcon":"56d6b85421f1d.png"},{"pdId":16087,"pdName":"mq\_msg","pdDemo":"ss","pdIcon":"56e92a64b7aa1.png"},{"pdId":16692,"pdName":"mpay","pdDemo":null,"pdIcon":"56e92a6bb5e92.jpg"},{"pdId":16707,"pdName":"Monitor\_servcontrol","pdDemo":"tyu","pdIcon":"56e92a73d3e37.png"},{"pdId":16736,"pdName":"WEB","pdDemo":"rt","pdIcon":"56e92a7c3a454.png"},{"pdId":17440,"pdName":"mapy","pdDemo":"sxs","pdIcon":"56e92abd22e53.png"},{"pdId":17637,"pdName":"omp","pdDemo":null,"pdIcon":"56e92ac3181dc.png"},{"pdId":17781,"pdName":"logsrv-service","pdDemo":null,"pdIcon":null}],"pageNo":1,"pageSize":20,"totalPage":1,"total":8}

## 二十一、获取单个产品信息

输入：

json={

"key":"topo.products.get",

"id":"15874", //产品ID

"data":{

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS","data":{"pdId":15874,"pdName":"scm","pdDemo":"","pdIcon":""},"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二十二、更新单个产品信息

输入：

json={

"key":"topo.products.update",

"id":"15874", //产品ID

"data":{

"pdDemo":"abc", //产品备注,没有则为空

"pdIcon":"\*\*\*.png" //产品图标

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS","data":"","pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二十三、获得服务信息列表

输入：

json={

"key":"topo.services.list",

"data":{

"productName":"scm", //产品名称,没有则为空

"serviceName":"pmsignlist" //服务名称,没有则为空

}

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS","data":[{"aliasProduct":"scm","serviceName":"pmsignlist","serviceFunction":"调单服务"},{"aliasProduct":"scm","serviceName":"omp\_icealarm","serviceFunction":"ice调用失败告警"},{"aliasProduct":"scm","serviceName":"omp\_groupweight1233","serviceFunction":"ice服务"},{"aliasProduct":"mq\_msg","serviceName":"MsgQueueReceiverStartUp","serviceFunction":"交易引擎服务"},{"aliasProduct":"mpay","serviceName":"mpay\_shjk","serviceFunction":"实时消息推送服务"},{"aliasProduct":"Monitor\_servcontrol","serviceName":"simulate\_spos","serviceFunction":"监控数据服务"},{"aliasProduct":"WEB","serviceName":"web-service","serviceFunction":"php"},{"aliasProduct":"mapy","serviceName":"fund\_mpay\_client\_provider","serviceFunction":"新总账UI"},{"aliasProduct":"omp","serviceName":"omp-zookeeper","serviceFunction":"重命名test"}],"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二十四、获取逻辑拓扑图基本信息

输入：

json={

"key":"topo.info.summary.logic",

"pdId":"",

"services":"mpay\_shjk, pmsignlist " //拓扑图中节点的服务列表

"topoIds":"118" //拓扑图中子拓扑图ID列表,没有则为空

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{

"topoInfo":[], //子拓扑图信息,没有为空

"serviceInfo":[{"prName":"scm","service":"pmsignlist","warns":0,"proIcon":"56e92a6bb5e92.jpg","servFunc":"调单服务"}]}, //服务信息，没有为空

"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二十五、获取逻辑拓扑图节点的告警详细信息

输入：

json={

"key":"topo.node.detail.logic",

"service":"monitor-agent",//服务名

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":{[{"element":"0020",//告警元素

“ip”:”172.17.6.156”,//IP

"info":"进程挂掉",//告警信息

"time":"2016-01-12 17:13:52",//告警时间

"remark":"/usr/local/monitor",//备注

}]},

"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二十六、根据图标url是否与设备绑定判断是否删除设备图标

输入：

json={

"key":"topo\_deviceicon\_delete",

"iconUrl":" other.png",//图标url

}

输出：

{"errorCode":1, //返回0才能删除

"errorMessage":"图标与设备已经绑定，请先解除关系","data":"","pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二十七、根据图标url是否与产品绑定判断是否删除产品图标

输入：

json={

"key":"topo\_producticon\_delete",

"iconUrl":"56d6b85421f1d.png",//图标url

}

输出：

{"errorCode":1, //返回0才能删除

"errorMessage":"图标与产品已经绑定，请先解除关系

","data":"","pageNo":0,"pageSize":0,"totalPage":0,"total":0}

## 二十八、获取产品信息列表

输入：

json={

"key":" topo.products.search",

}

输出：

{"errorCode":0,"errorMessage":"SUCCESS",

"data":[

{"pdId":15874,

"pdName":"scm","pdDemo":null,"pdIcon":"56d6b85421f1d.png"},

{"pdId":16087,"pdName":"mq\_msg","pdDemo":"ss","pdIcon":"56e92a64b7aa1.png"},{"pdId":16692,"pdName":"mpay","pdDemo":null,"pdIcon":"56e92a6bb5e92.jpg"},{"pdId":16707,"pdName":"Monitor\_servcontrol","pdDemo":"tyu","pdIcon":"56e92a73d3e37.png"},{"pdId":16736,"pdName":"WEB","pdDemo":"rt","pdIcon":"56e92a7c3a454.png"},{"pdId":17440,"pdName":"mapy","pdDemo":"sxs","pdIcon":"56e92abd22e53.png"},{"pdId":17637,"pdName":"omp","pdDemo":null,"pdIcon":"56e92ac3181dc.png"},{"pdId":17781,"pdName":"logsrv-service","pdDemo":null,"pdIcon":null}],"pageNo":0,"pageSize":0,"totalPage":0,"total":0}

**备注：**

**(1)2016-03-16:新改需求,三、四接口新增子拓扑图ids字段;**

**(2)2016-03-17:新改需求,九、二十四接口新增子拓扑,topoIds字段。**

**(3) 2016-03-18新增二十六与二十七接口**

**(4) 2016-03-19新增二十八接口,一次性获取所有产品；**

**(5) 2016-03-22 更改二十四接口输出格式（多了图标）；**

**(6) 2016-03-23 更改三、四接口输入格式，新增serverInfo，topoInfo，serviceInfo三个字段；**

**(7) 2016-03-24更改二十四接口输出格式:新增服务描述字段servFunc;**