# DBaaS平台管理接口

说明： 192.168.16.0/24 网段 服务IP：192.168.16.31:4000

146.240.104.0/24 网段 服务IP：146.240.104.25:4000

## 站点管理

### 站点登记

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/datacenter | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 站点登记 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 监控管理IP地址 | horus\_ip | | string | |  |
| 监控管理端口 | horus\_port | |  | |  |
|  |  | |  | |  |
| NAS地址 | nas\_ip | | string | |  |
| NAS目录 | nas\_dir | | string | |  |
| 挂载目录 | nas\_mount\_dir | | string | |  |
| 举例 |  | | | | |
| 201  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 站点检查

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/datacenter/check | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 站点检查 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

## 集群管理接口

### 集群创建

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | POST /v1.0/clusters | | | | | |
| 调用逻辑 | 前端应用→后端管理 | | | | | |
| 功能描述 | 创建集群 | | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 名称 | name | | string | | 不能为空 |
| 类型 | type | | string | | 不能为空，  字符串项upsql , upproxy |
| 站点ID | dc | | string | | 不能为空 |
| 最大节点数量 | max\_node | | int | | 默认100 |
| 集群最大使用比例 | usage\_limit | | float | | 0-1 |
| 集群存储类型 | storage\_type | | string | | 不能为空，  字符串项local, san |
| 存储ID | storage\_id | | string | | 如果集群存储类型为local，该值为空，  如果集群存储类型为san，该值不能为空 |
| 举例 | 创建本地存储集群  {  "name": "cluster001",  "type": "upsql",  "dc": "shanghai001",  "max\_node": 100,  "usage\_limit": 0.8,  "storage\_type": "local"  }  创建SAN存储集群  {  "name": "cluster001",  "type": "upsql",  "dc": "shanghai001",  "max\_node": 100,  "usage\_limit": 0.8,  "storage\_type": "SAN"  "storage\_id": "8u3xssdffm4easdjf"  } | | | | |
| 201  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 集群id | id | string | |  | |
| 举例 | {  "ID": "3f1ebb615c5d8ba700ba65c9ad43e2c3e6957ae9cdc34c2141f04f6499fe3392"  } | | | | |
| 是否同步 | true | | | | | |

### 集群停用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/clusters/{cluster\_id}/disable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 停用集群 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 集群启用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/clusters/{cluster\_id}/enable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 启用集群 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 集群删除

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/clusters/{cluster\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 删除集群 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 集群信息更新

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/clusters/{cluster\_id}/update | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 集群信息更新 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 集群最大使用比例 | usage\_limit | | float | | 0-1 |
| 最大节点数量 | max\_node | | int | | 默认100 |
| 举例 | {  "usage\_limit":0.9,  "max\_node":200  } | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单个集群概要信息查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/clusters/{cluster\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 单个集群概要信息查询 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 集群ID | id | string | |  | |
| 集群名称 | name | string | |  | |
| 集群所属站点 | dc | string | |  | |
| 集群类型 | type | string | | 选择范围：upsql / upproxy | |
| 集群存储类型 | storage\_type | string | | 选择范围： local / san | |
| 关联存储ID | storage\_id | string | | 和集群关联的存储 ID  如果集群存储类型为local，该值为空，  如果集群存储类型为san，该值不能为空 | |
| 可容纳最大物理机数量 | max\_node | int | |  | |
| 资源使用率限制 | usage\_limit | float | | 值的范围 0.0—1.0 | |
| 是否启用 | enabled | bool | | 集群状态，false：停用，true：启用。 | |
| 集群包含物理机数量 | node\_num | int | |  | |
| 集群所包含物理机 | node | [{}] | |  | |
| 物理机ID | node.id | string | |  | |
| 物理机名称 | node.name | string | |  | |
| 物理机所在集群ID | node.cluster\_id | string | |  | |
| 物理机管理IP地址 | node.adm\_ip | string | |  | |
| 物理机docker引擎ID | node.engin\_id | string | |  | |
| 物理机docker状态 | node.docker\_status | string | |  | |
| 物理机机房 | node.room | string | |  | |
| 物理机机位 | node.seat | string | |  | |
| 物理机最大容器数量 | node.max\_container | int | |  | |
| 物理机管理状态 | node.status | int | | 物理机状态  0 准备入库 import  1 初始化安装中 installing  2 初始化安装成功 installed  3 初始化安装失败 installfailed  4 测试中 testing  5 测试失败 failedtest  6 启用 enable  7 停用 disable | |
| 物理机注册时间 | node. register\_at | string | |  | |
| 物理机资源 | node.resource | {} | |  | |
| 物理机CPU总数 | node.resource. TotalCPUs | int | |  | |
| 物理机CPU已使用 | node.resource. UsedCPUs | int | |  | |
| 物理机内存总量 | node.resource. TotalMemory | int | |  | |
| 物理机内存剩余 | node.resource. UsedMemory | int | |  | |
| 举例 | {  "id": "596dfba7976cd0b9a062d5eb489999594481ee3ffa59008ace5a7d4fce02e7c6",  "name": "cluster001",  "type": "upsql",  "storage\_type": "local",  "storage\_id": "",  "dc": "shanghai001",  "enabled": true,  "max\_node": 100,  "usage\_limit": 0.8,  "nodes": [  {  "id": "17988a59dd352eec61529f1c39f22b2e79788b72e25ebd5d978790c6f4ff9d3c",  "name": "node002",  "cluster\_id": "596dfba7976cd0b9a062d5eb489999594481ee3ffa59008ace5a7d4fce02e7c6",  "admin\_ip": "192.168.2.142",  "engine\_id": "XUVG:R2Q6:MCLK:IPPS:S6WZ:KAEQ:WOBU:JGOP:WEZY:CXMI:U2TZ:Q2GK",  "docker\_status": "Healthy",  "room": "sh001",  "seat": "a009",  "max\_container": 4,  "status": 6,  "register\_at": "2016-05-26 19:37:12",  "resource": {  "TotalCPUs": 4,  "UsedCPUs": 0,  "TotalMemory": 8389586944,  "UsedMemory": 0  }  },  {  "id": "51cd0a4bbe28e99499c689ea0833ea4f795566b4b234245297a96d93a2b81b51",  "name": "node001",  "cluster\_id": "596dfba7976cd0b9a062d5eb489999594481ee3ffa59008ace5a7d4fce02e7c6",  "admin\_ip": "192.168.2.141",  "engine\_id": "NRO3:QG74:OHJV:2SKS:2SU2:GRT7:2RXI:W73I:YCMN:KVTS:WYHV:WEAC",  "docker\_status": "Healthy",  "room": "sh001",  "seat": "a009",  "max\_container": 8,  "status": 6,  "register\_at": "2016-05-26 19:37:02",  "resource": {  "TotalCPUs": 4,  "UsedCPUs": 0,  "TotalMemory": 8389586944,  "UsedMemory": 0  }  }  ]  } | | | | |
| 是否同步 | true | | | | | |

### 全部集群概要信息查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/clusters | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 全部集群概要信息查询 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 集群ID | id | string | |  | |
| 集群名称 | name | string | |  | |
| 集群所属站点 | dc | string | |  | |
| 集群类型 | type | string | | 选择范围：upsql / upproxy | |
| 集群存储类型 | storage\_type | string | | 选择范围： local / san | |
| 关联存储ID | storage\_id | string | | 和集群关联的存储 ID  如果集群存储类型为local，该值为空，  如果集群存储类型为san，该值不能为空 | |
| 可容纳最大物理机数量 | max\_node | int | |  | |
| 资源使用率限制 | usage\_limit | float | | 值的范围 0.0—1.0 | |
| 是否启用 | enabled | bool | | 集群状态 false：停用，true：启用。 | |
| 集群包含物理机数量 | node\_num | int | |  | |
| 举例 | [  {  "id": "596dfba7976cd0b9a062d5eb489999594481ee3ffa59008ace5a7d4fce02e7c6",  "name": "cluster001",  "type": "upsql",  "storage\_type": "local",  "storage\_id": "",  "dc": "shanghai001",  "enabled": true,  "max\_node": 100,  "node\_num": 2,  "usage\_limit": 0.8  },  {  "id": "a8332fbefc36a329409d1d586f0886589632b5a71e35ae0824c85edcb2eb88df",  "name": "cluster002",  "type": "proxy",  "storage\_type": "local",  "storage\_id": "",  "dc": "shanghai001",  "enabled": true,  "max\_node": 100,  "node\_num": 2,  "usage\_limit": 0.8  }  ] | | | | |
| 是否同步 | true | | | | | |

### 全部集群资源查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/resources | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 全部集群资源查询 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 | [  {  "Enable": true,  "ID": "596dfba7976cd0b9a062d5eb489999594481ee3ffa59008ace5a7d4fce02e7c6",  "Name": "cluster001",  "Entire": {  "TotalCPUs": 8,  "UsedCPUs": 0,  "TotalMemory": 16779173888,  "UsedMemory": 0  }  },  {  "Enable": true,  "ID": "a8332fbefc36a329409d1d586f0886589632b5a71e35ae0824c85edcb2eb88df",  "Name": "cluster002",  "Entire": {  "TotalCPUs": 8,  "UsedCPUs": 0,  "TotalMemory": 16779173888,  "UsedMemory": 0  }  }  ] | | | | |
| 是否同步 | true | | | | | |

### 单个集群资源查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/resources/{cluster\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 单个集群概要信息查询 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 | {  "Enable": true,  "ID": "596dfba7976cd0b9a062d5eb489999594481ee3ffa59008ace5a7d4fce02e7c6",  "Name": "cluster001",  "Entire": {  "TotalCPUs": 8,  "UsedCPUs": 2,  "TotalMemory": 16779173888,  "UsedMemory": 4096000000  },  "Nodes": [  {  "ID": "17988a59dd352eec61529f1c39f22b2e79788b72e25ebd5d978790c6f4ff9d3c",  "Name": "node002",  "EngineID": "XUVG:R2Q6:MCLK:IPPS:S6WZ:KAEQ:WOBU:JGOP:WEZY:CXMI:U2TZ:Q2GK",  "Addr": "192.168.2.142",  "Status": "Healthy",  "TotalCPUs": 4,  "UsedCPUs": 1,  "TotalMemory": 8389586944,  "UsedMemory": 2048000000,  "Containers": [  {  "ID": "deffe587125e4605a995f9471f62493c74c4d879e84f4b178ad86ba6bec7bb4a",  "Name": "/683a662a\_test01",  "Image": "registry.dbaas.me:8080/upsql:5.6.19",  "Driver": "devicemapper",  "NetworkMode": "host",  "Created": "2016-05-31T03:25:35.229513655Z",  "State": "running",  "Labels": {  "com.docker.swarm.id": "c9ab181c9030feead4ea428796920773ceedb1315f55ec1bc4bca72c15d80d66",  "container\_ip": "192.168.20.102",  "registry.imageID": "sha256:a8cba63a04978073220ebfdc68010a07a06fbf6d5d000101a45429478a9f3591",  "unit\_id": "683a662a061b407dc531c8eebfa22373bf81297e2e032a8d18f8d8374dc2ec54",  "upm.ip": "192.168.20.102/24:bond1"  },  "Env": [  "constraint:node==XUVG:R2Q6:MCLK:IPPS:S6WZ:KAEQ:WOBU:JGOP:WEZY:CXMI:U2TZ:Q2GK",  "PORT=30004",  "IPADDR=192.168.20.102",  "C\_NAME=683a662a\_test01",  "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/mysql/bin",  "LD\_LIBRARY\_PATH=/usr/local/mysql/lib:"  ],  "Mounts": null,  "CpusetCpus": "0",  "CPUs": 1,  "Memory": 2048000000,  "MemorySwap": -1,  "OomKillDisable": false  }  ]  },  {  "ID": "51cd0a4bbe28e99499c689ea0833ea4f795566b4b234245297a96d93a2b81b51",  "Name": "node001",  "EngineID": "NRO3:QG74:OHJV:2SKS:2SU2:GRT7:2RXI:W73I:YCMN:KVTS:WYHV:WEAC",  "Addr": "192.168.2.141",  "Status": "Healthy",  "TotalCPUs": 4,  "UsedCPUs": 1,  "TotalMemory": 8389586944,  "UsedMemory": 2048000000,  "Containers": [  {  "ID": "d45b086280b08e22d475b2655ff6721cf18be1f0f9f4471cd0df8c04d4f8b845",  "Name": "/85b352e2\_test01",  "Image": "registry.dbaas.me:8080/upsql:5.6.19",  "Driver": "devicemapper",  "NetworkMode": "host",  "Created": "2016-05-31T03:25:34.890896683Z",  "State": "running",  "Labels": {  "com.docker.swarm.id": "f2973f9fc2ffb5f3c7ed3435164750c9db9599a2eb050494cdc6bf06b1186632",  "container\_ip": "192.168.20.103",  "registry.imageID": "sha256:a8cba63a04978073220ebfdc68010a07a06fbf6d5d000101a45429478a9f3591",  "unit\_id": "85b352e29a06b7bdaa11c6623e609db24a589a7950da08bbf2a3f04769635c1b",  "upm.ip": "192.168.20.103/24:bond1"  },  "Env": [  "constraint:node==NRO3:QG74:OHJV:2SKS:2SU2:GRT7:2RXI:W73I:YCMN:KVTS:WYHV:WEAC",  "PORT=30005",  "IPADDR=192.168.20.103",  "C\_NAME=85b352e2\_test01",  "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/mysql/bin",  "LD\_LIBRARY\_PATH=/usr/local/mysql/lib:"  ],  "Mounts": null,  "CpusetCpus": "0",  "CPUs": 1,  "Memory": 2048000000,  "MemorySwap": -1,  "OomKillDisable": false  }  ]  }  ]  } | | | | |
| 是否同步 | true | | | | | |

## 网络管理

### 网段导入

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/networkings | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 导入网段 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 起始IP地址 | start | | string | |  |
| 结束IP地址 | end | | string | |  |
| IP掩码 | prefix | | int | | 范围：0-32 |
| 网段类型 | type | | string | | 类型范围  external\_access\_networking  internal\_access\_networking |
| 网关 | gateway | | string | |  |
| 举例 | {  "start": "192.168.16.151",  "end":"192.168.16.160",  "prefix": 24,  "type": "internal\_access\_networking",  "gateway": "192.168.16.1"  } | | | | |
| 201  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 网段ID | ID | string | |  | |
| 举例 | {  "ID": "cc9ba0acb7ac5783d49d93fd9f8605570a337696420e7343ad834feca0780e42"  } | | | | |
| 是否同步 | true | | | | | |

### 网段停用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/networkings/{netwroking\_id}/disable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 停用网段 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 网段启用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/networkings/{netwroking\_id}/enable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 启用网段 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 网段删除

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/ networkings/{ networking \_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 删除网段 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 网段查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/networkings | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 网段查询 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
|  | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 识别号 | id | string | |  | |
| 网段类型 | type | string | | 类型范围  external\_access\_networking  internal\_access\_networking | |
| 网关 | gateway | string | |  | |
| 起始IP地址 | start | string | |  | |
| 结束IP地址 | end | string | |  | |
| IP掩码 | prefix | int | |  | |
| 是否启用 | enabled | bool | |  | |
| IP地址总数 | total | int | |  | |
| IP地址使用数量 | used | init | |  | |
| 举例 | [  {  "id": "5b09213ed669aa26d12058f3e3f48128a6ae0eafd57f477d113c84ec1f09b243",  "type": "external\_access\_networking",  "gateway": "192.168.120.1",  "enabled": true,  "total": 51,  "used": 3,  "start": "192.168.120.100",  "end": "192.168.120.150"  },  {  "id": "8acb1a45a7644e8f2d79fce46a341576ee4d4a8fccabbbd478266ad4b7c97dfa",  "type": "internal\_access\_networking",  "gateway": "192.168.20.1",  "enabled": true,  "total": 51,  "used": 12,  "start": "192.168.20.100",  "end": "192.168.20.150"  }  ] | | | | |
| 是否同步 | true | | | | | |

## 端口管理

### 端口查询

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/ports | | | | | | |
| 参数 | | 名称 | | | 类型 | | | 备注 |
| start | | | int | | | 开始端口号 |
| end | | | int | | | 结束端口号 |
| limit | | | int | | | 限制个数 |
| 调用逻辑 | | 前端应用→后端管理 | | | | | | |
| 功能描述 | | 停用端口 | | | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | | **备注** | |
|  |  | |  | | |  | |
| 举例 |  | | | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | | **备注** | | |
| 端口 | port | int | | |  | | |
| 名称 | name | string | | |  | | |
| 所属实例单元ID | unit\_id | string | | |  | | |
| 所属实例单元名称 | unit\_name | string | | |  | | |
| 协议类型 | proto | string | | | tcp ／ udp | | |
| 是否被分配 | allocated | bool | | | true：被分配  false：未分配 | | |
| 举例 | [  {  "port": 30000,  "name": "Port",  "unit\_id": "61e066d6ed2cfbb31ff07a1847c553922e2125155d7d74159ad573a4cf32c75a",  "unit\_name": "61e066d6\_test01",  "proto": "tcp",  "allocated": true  },  {  "port": 30001,  "name": "ProxyPort",  "unit\_id": "61e066d6ed2cfbb31ff07a1847c553922e2125155d7d74159ad573a4cf32c75a",  "unit\_name": "61e066d6\_test01",  "proto": "tcp",  "allocated": true  },  {  "port": 30002,  "name": "proxy\_data\_port",  "unit\_id": "5ef8d29a0387ae1426b032bc235c768647a8dbdbfd3ea66958af5f56bec88f82",  "unit\_name": "5ef8d29a\_test01",  "proto": "tcp",  "allocated": true  }  ] | | | | | | |
| 是否同步 | true | | | | | | | |

### 端口导入

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/ports/ | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 导入端口 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 开始端口 | start | | int | |  |
| 结束端口 | end | | int | |  |
| 举例 | {  "start": 30000,  "end": 30100  } | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 导入数量 | num | int | |  | |
| 举例 | {  "num": 100  } | | | | |
| 是否同步 | true | | | | | |

### 端口删除

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/ports/{port} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 删除端口 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

## 存储管理

### 存储登记

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/storage/san | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 存储登记，可以重复登记，检查数据是否存在，如果存在update，不存在insert，需要做可用性验证 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 201  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 存储出库

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/storage/san/{storage\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 存储出库 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### RAID Group登记

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/storage/san/{storage\_id}/raid\_group | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | RAID Group登记 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| Raid group 号 | rg\_num | | int | |  |
| 举例 |  | | | | |
| 201  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### RAID Group停用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/storage/san/raid\_group/{raid\_group\_id}/disable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | RAID Group 停用 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### RAID Group启用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/storage/san/raid\_group/{raid\_group\_id}/enable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | RAID Group启用 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### RAID Group注销

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/storage/san/raid\_group/{raid\_group\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | RAID group注销 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

## 软件管理

### 软件入库

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/image/load | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 入库软件镜像 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 软件名 | name | | string | |  |
| 版本号 | version | | string | |  |
| 导入文件路径 | path | | string | |  |
| 软件配置文件模版 | config\_file\_path | | string | |  |
| 软件配置放路径 | config\_mount\_path | | string | |  |
| 可编辑参数集合 | config\_keyset | | [{}] | |  |
| 参数名称 | config\_keyset.key | | string | |  |
| 是否用户可编辑 | config\_keyset.canset | | bool | |  |
| 是否需要重启生效 | config\_keyset.mustrestart | | bool | |  |
| 描述 | config\_keyset.description | | string | |  |
| 举例 | {  "name": "upsql",  "version": "5.6.19",  "path": "/DBaaS\_images/upsql-5.6.19/upsql-5.6.19.tar",  "template\_file\_path": "/DBaaS\_images/upsql-5.6.19/my.cnf.temp",  "config\_file\_path": "/DBAASDAT/my.cnf",  "config\_keyset": []  } | | | | |
| 201  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 软件ID | ID | string | |  | |
| 举例 | {  "ID": "3f1ebb615c5d8ba700ba65c9ad43e2c3e6957ae9cdc34c2141f04f6499fe3392"  } | | | | |
| 是否同步 | true | | | | | |

### 软件停用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/image/{image\_id}/disable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 停用软件 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 软件启用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/image/{image\_id}/enable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 启用软件 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 软件出库

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/image/{image\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 出库软件 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 软件查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/image/{image\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 软件模版查询 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 识别号 | id | string | |  | |
| 软件名 | name | string | |  | |
| 版本号 | version | string | |  | |
|  | docker\_image\_id |  | |  | |
|  | label |  | |  | |
|  | enabled |  | |  | |
|  | size |  | |  | |
|  | upload\_at |  | |  | |
|  | template\_config | [{}] | |  | |
|  | template\_config .config\_id | string | |  | |
|  | template\_config .config\_mount\_path | string | |  | |
|  | template\_config.config\_content | string | |  | |
| 可编辑参数集合 | config\_keyset | [{}] | |  | |
| 参数名称 | config\_keyset.key | string | |  | |
| 是否用户可编辑 | config\_keyset.canset | bool | |  | |
| 是否需要重启生效 | config\_keyset.mustrestart | bool | |  | |
| 描述 | config\_keyset.description | string | |  | |
| 举例 | {  "id": "65400dc5b15cc4478e40193b52a7decfb5962c3e64cbc1e62db645bfb92cb2fa",  "name": "upproxy",  "version": "1.0.2",  "docker\_image\_id": "sha256:0591e0b699b65bf8059c9990752dc0ef3b973c7df714513c16809c0287d3e4d8",  "label": null,  "enabled": true,  "size": 21428,  "upload\_at": "2016-05-26 19:44:15",  "template\_config": {  "config\_id": "229e2c7b0949dd02402f2dc7878907eef4a2c3ee77cdc17fcacf15d6c409243c",  "config\_mount\_path": "/DBAASCNF/upsql-proxy.conf",  "config\_content": "[upsql-proxy]\n#标识\nproxy-domain = <service\_id>\nproxy-name = <unit\_id>\n#默认数据库节点\ndefault-datanode = default\n#使用场景列表\n#读写分离\nneed-rw-split = false\n#分库分表\nneed-shard = false\n#autocommit = true\n#charset-names = gbk\n#proxy客户端连接地址\nproxy-address = <proxy\_ip\_addr>:<proxy\_data\_port>\n#线程数\nevent-threads-count = <cpu\_num>\n#基路径,其他路径相关参数的基路径,相对路径都以该基路径计算\n#必须用户手动配置,且配置为绝对路径\nbasedir = /usr/local/uproxy\n#拓扑结构和虚拟数据库配置,相对路径\ntopology-config = /DBAASCNF/topology.json\n#virtual-database-config = /DBAASCNF/virtual-database.xml\n#日志信息,相对路径\nproxy-log-file = /DBAASLOG/upproxy.log\n[adm-cli]\n#adm-svr对外服务地址\nadm-svr-address = <swm\_ip\_addr>:<swm\_port>\nadm-cli-event-threads-count = 2\n#proxy接收proxy-cmd命令地址\nadm-cli-address = <proxy\_ip\_addr>:<proxy\_adm\_port\n",  "config\_keyset": null  }  } | | | | |
| 是否同步 | true | | | | | |

### 软件模版更新

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/image/{image\_id}/template | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 软件模版更新 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 软件配置文件模版内容 | config\_content | | string | |  |
| 可编辑参数集合 | config\_keyset | | [{}] | |  |
| 参数名称 | config\_keyset.key | | string | |  |
| 是否用户可编辑 | config\_keyset.canset | | bool | |  |
| 是否需要重启生效 | config\_keyset.mustrestart | | bool | |  |
| 描述 | config\_keyset.description | | string | |  |
| 举例 | {  "config\_content": "[upsql-proxy]\n#标识\nproxy-domain = <service\_id>\nproxy-name = <unit\_id>\n#默认数据库节点\ndefault-datanode = default\n#使用场景列表\n#读写分离\nneed-rw-split = false\n#分库分表\nneed-shard = false\n#autocommit = true\n#charset-names = gbk\n#proxy客户端连接地址\nproxy-address = <proxy\_ip\_addr>:<proxy\_data\_port>\n#线程数\nevent-threads-count = <cpu\_num>\n#基路径,其他路径相关参数的基路径,相对路径都以该基路径计算\n#必须用户手动配置,且配置为绝对路径\nbasedir = /usr/local/uproxy\n#拓扑结构和虚拟数据库配置,相对路径\ntopology-config = /DBAASCNF/topology.json\n#virtual-database-config = /DBAASCNF/virtual-database.xml\n#日志信息,相对路径\nproxy-log-file = /DBAASLOG/upproxy.log\n[adm-cli]\n#adm-svr对外服务地址\nadm-svr-address = <swm\_ip\_addr>:<swm\_port>\nadm-cli-event-threads-count = 2\n#proxy接收proxy-cmd命令地址\nadm-cli-address = <proxy\_ip\_addr>:<proxy\_adm\_port\n",  "config\_keyset": null  } | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

## 主机管理

### 主机入库

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/clusters/{cluster\_id}/nodes | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 入库主机 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 别名 | name | | string | | 主机别名，是管理员为物理机起的管理名称，并不是物理机主机名。 |
| IP地址 | address | | string | |  |
| OS超级用户名 | username | | string | |  |
| OS超级用户密码 | password | | string | |  |
| 最大容器数量 | max\_container | | int | |  |
| 机房 | room | | string | |  |
| 机位 | seat | | string | |  |
| 机械硬盘设备名 | hdd | | []string | |  |
| 固态硬盘设备名 | ssd | | []string | |  |
| 举例 | [{  "name": "node001",  "address": "192.168.16.41",  "username": "root",  "password": "root",  "max\_container": 4,  "room": "shanghai001",  "seat": "09283",  "password": "root",  "hdd": ["sdb"],  "ssd": []  }] | | | | |
| 201  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 主机ID | id | string | |  | |
| 主机别名 | name | string | |  | |
| 入库任务ID | taskid | string | |  | |
| 举例 | [  {  "ID": "d37418b56fccf90150a0545eff09f4cddf96b0d7ae3549af9412f6ad7d16a05d",  "Name": "node002",  "TaskID": "d42d6ce703aa377df087ee8d467418ce9b4407a5746936debfb3172956658149"  }  ] | | | | |
| 是否同步 | true | | | | | |

### 主机停用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/clusters/nodes/{node\_id}/disable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 停用物理机 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | false | | | | | |

### 主机启用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/clusters/nodes/{node\_id}/enable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 启用物理机 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 主机出库

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/clusters/nodes/{node\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 出库物理机 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| OS用户名 | username | | string | |  |
| OS用户密码 | password | | string | | 明文 |
| 举例 | {  "username": "root",  "password": "root"  } | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 主机信息更新

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/clusters/nodes/{node\_id}/update | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 主机信息更新 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 最大容器数量 | max\_container | | int | |  |
| 举例 | {  "max\_container": 4  } | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 主机信息查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/clusters/nodes/{node\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 主机信息查询 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

## 实例管理

### 实例查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services?from=DBAAS | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例启动 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| ID | ID | string | |  | |
| 名称 | Name | string | |  | |
| 业务代码 | business\_code | string | |  | |
| 版本号 | Version | string | |  | |
| 部署架构 | Arch | string | |  | |
| CPU数量 | CPusetCpus | string | |  | |
| 内存大小 | Memory | int | |  | |
| 管理状态 | manage\_status | int | |  | |
| 运行状态 | running\_status | string | |  | |
| 创建时间 | created\_at | datatime | |  | |
| 举例 | [  {  "ID": "12a93f84d355c693a1a1cac5dd99dbd99df4822bc2df8d064098ae33659c5347",  "Name": "test02",  "business\_code": "test",  "Version": "5.6.19",  "Arch": "master:1",  "CPusetCpus": "1",  "Memory": 2048000000,  "manage\_status": 15,  "running\_status": "running",  "created\_at": "2016-06-08 10:56:00"  },  {  "ID": "98d341a2aedd64fd59911208f06759ffd6745d75d0220b2b9450083a7978dc22",  "Name": "test01",  "business\_code": "test",  "Version": "5.6.19",  "Arch": "master:1",  "CPusetCpus": "1",  "Memory": 2048000000,  "manage\_status": 15,  "running\_status": "running",  "created\_at": "2016-06-08 11:04:17"  }  ] | | | | |
| 是否同步 | true | | | | | |

### 实例创建

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例创建 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 实例名称 | name | | string | |  |
| 实例结构 | arch | | string | |  |
| 实例结构模块 | modules | | []{} | |  |
| 模块名称 | modules.name | | string | |  |
| 模块版本 | modules.version | | string | |  |
| 模块类型 | modules.type | | string | |  |
| 模块结构 | modules.arch | | string | |  |
|  | modules.stores | |  | |  |
|  | modules.stores.name | |  | |  |
|  |  | |  | |  |
|  |  | |  | |  |
|  |  | |  | |  |
|  |  | |  | |  |
| 举例 | {  "name": "test01",  "arch": "switch\_manager:1#proxy:1#upsql:2",  "backup\_maxsize": 102400000000,  "backup\_retention": 6000,  "modules": [  {  "name": "switch\_manager",  "version": "1.0.2",  "type": "switch\_manager",  "arch": "master:1",  "candidates":[],  "stores": [  {  "name": "CNF",  "type": "local:HDD",  "size": 1024000000  },  {  "name": "LOG",  "type": "local:HDD",  "size": 1024000000  }  ],  "host\_config": {  "cpusetcpus": "1",  "memory": 1024000000,  "networkmode": "host"  }  },  {  "name": "upproxy",  "version": "1.0.2",  "type": "proxy",  "arch": "master:1",  "candidates":[],  "stores": [  {  "name": "CNF",  "type": "local:HDD",  "size": 1024000000  },  {  "name": "LOG",  "type": "local:HDD",  "size": 1024000000  }  ],  "host\_config": {  "cpusetcpus": "1",  "memory": 1024000000,  "networkmode": "host"  }  },  {  "name": "upsql",  "version": "5.6.19",  "type": "upsql",  "arch": "master:1#standby:1",  "candidates":[],  "stores": [  {  "name": "DAT",  "type": "local:HDD",  "size": 1024000000  },  {  "name": "LOG",  "type": "local:HDD",  "size": 1024000000  }  ],  "host\_config": {  "cpusetcpus": "1",  "memory": 2048000000,  "networkmode": "host"  }  }  ],  "backup\_strategy": {  "type": "full",  "spec": "\* \* \* \* \*",  "valid": "2006-01-02 15:04:05",  "timeout": 600,  "backupdir": "/BACKUP/"  },  "users":[  {  "type": "proxy",  "username": "user001",  "password": "123456",  "role": "db"  }  ]  } | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | false | | | | | |

### 实例启动

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/{service\_id}/start | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例启动 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 实例停止

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/{service\_id}/stop | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例停止 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 实例注销

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/services/{service\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例注销 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 实例性能扩展

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/{service\_id}/scale-up | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例性能扩展 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 实例软件类型 | type | | string | | upsql ／ upproxy ／ switch\_manager |
| 性能配置 | config | | {} | |  |
| 内存总量 | config.memory | | int | | 单位为 byte |
| cpu个数 | config.cpusetcpus | | string | |  |
| 举例 | [  {  "type": "upsql",  "config": {  "memory": 2000000,  "cpusetcpus": "2"  }  }  ] | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 任务ID | task\_id |  | |  | |
| 举例 | {  "task\_id": "0c3f49575d05319c59485800dfd423678b2d31a3892da222ac2763f50046d42d"  } | | | | |
| 是否同步 | false | | | | | |

### 实例存储扩展

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/{service\_id}/volume-extend | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例存储扩展 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 实例软件类型 | type | | string | | upsql ／ upproxy ／ switch\_manager |
| 性能配置 | extensions | | {} | |  |
| 扩容名称 | extensions.name | | string | |  |
| 扩容大小 | extensions.size | | int | | 单位为byte |
| 举例 | [  {  "type": "upsql",  "extensions": [  {  "name": "DAT",  "size": 1024000000  }  ]  }  ] | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
| 任务ID | task\_id |  | |  | |
| 举例 | {  "task\_id": "0c3f49575d05319c59485800dfd423678b2d31a3892da222ac2763f50046d42d"  } | | | | |
| 是否同步 | false | | | | | |

### 实例备份

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/{service\_id}/backup | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例备份 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | false | | | | | |

### 实例备份文件查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/services/{service\_id}/backupfile/list | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例备份 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 实例恢复

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/{service\_id}/recover | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例恢复 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  | backup\_file\_id | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | false | | | | | |

### 备份策略添加

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/{service\_id}/backup\_strategy | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例备份策略添加 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 201  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 备份策略删除

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | DELETE /v1.0/services/backup\_strategy/{backup\_strategy\_id} | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例备份策略删除 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 204  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 备份策略启用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/backup\_strategy/{backup\_strategy\_id}/enable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 备份策略启用 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 备份策略停用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/backup\_strategy/{backup\_strategy\_id}/disable | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 备份策略停用 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 备份策略编辑

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/services/backup\_strategy/{backup\_strategy\_id}/update | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | |  | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

## 单元管理

### 单元启动

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/units/{unit\_id}/start | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例单元启动 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元停止

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/units/{unit\_id}/stop | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例单元停止 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元备份

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/units/{unit\_id}/backup | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例单元停止 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元恢复

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/units/{unit\_id}/recover | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例单元停止 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元迁移

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/units/{unit\_id}/migrate | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例单元迁移 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 目标主机 | node | |  | | 可以为空，如果是空，那么将自动分配 |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元重建

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/units/{unit\_id}/rebuild | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例单元重建 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
| 目标主机 | node | |  | | 可以为空，如果是空，那么将自动分配 |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元隔离

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/units/{unit\_id}/isolate | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例单元隔离。强制关闭后，从proxy中隔离 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元回切

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/units/{unit\_id}/switchback | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 实例单元回切 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元慢日志开启

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/ | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | |  | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

### 单元慢日志关闭

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | POST /v1.0/ | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | |  | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |

## 任务管理

### 任务全部查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接口url | | GET /v1.0/tasks | | | | |
| 调用逻辑 | | 前端应用→后端管理 | | | | |
| 功能描述 | | 任务查询 | | | | |
| 输入参数 | **字段名** | **参数名称** | | **参数类型** | | **备注** |
|  |  | |  | |  |
| 举例 |  | | | | |
| 200  返回参数 | **字段名** | **参数名称** | **参数类型** | | **备注** | |
|  |  |  | |  | |
| 举例 |  | | | | |
| 是否同步 | true | | | | | |