**集中管控接口**

**技术规范**

(草稿)

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# 接口定义

## 增加主机

|  |  |
| --- | --- |
| 接口 | 增加主机 |
| URL | /host/add |
| 方法 | POST |
| **Content-type** | application/json; charset=UTF-8 |
| 参数 | {  "hostId": "10271", // 设备的唯一标识  "name": "集中管控", // 设备显示名称  "host": "cmc", // 主机的正式名称  "ip": "192.168.1.1,192.168.1.2",  "platform": "PLATFORM\_2",  // PLATFORM\_1, PLATFORM\_2, PLATFORM\_3, PLATFORM\_4  "status": "0",  // 状态 0: 正常, 1: 维修, 2: 故障, 3: 迁移, 4: 注销  "type": "DEVICE\_TYPE\_SWITCH",  // 取值范围: DEVICE\_TYPE\_SWITCH, ,DEVICE\_TYPE\_ROUTER, DEVICE\_TYPE\_FIREWALL,  // DEVICE\_TYPE\_GAP, DEVICE\_TYPE\_FGAP, DEVICE\_TYPE\_HOST, DEVICE\_TYPE\_VPN,  // DEVICE\_TYPE\_AMP, DEVICE\_TYPE\_AUP, DEVICE\_TYPE\_VSG, DEVICE\_TYPE\_NDX,  // Zabbix servers,  "area": "AREA\_1",  // AREA\_1, AREA\_2, AREA\_3, AREA\_4, AREA\_5,  "equipmentItemList": [  {  "hostId": "10271", // 设备的唯一标识  "itemKey": "cpu\_usage\_key", // 监控项Key  "itemId": " 28983", // 监控项ID  "itemName": "CPU使用率", // 监控项名称  "lastValue": "200", // 监控项最后一个值  "prevValue": "100" // 监控项上一个值  },  {  "hostId": "hostId",  "itemKey": "itemKey1",  "itemId": "itemId1",  "itemName": "itemName1",  "lastValue": "200",  "prevValue": "100"  }  ]  } |
| 返回值 |  |
| 说明 |  |
| 备注 |  |

## 更新主机

|  |  |
| --- | --- |
| 接口 | 更新主机 |
| URL | /host/update/{hostId} |
| 方法 | PUT |
| **Content-type** | application/json; charset=UTF-8 |
| 参数 | {  "hostId": "10271", // 设备的唯一标识  "name": "集中管控", // 设备显示名称  "host": "cmc", // 主机的正式名称  "ip": "192.168.1.1,192.168.1.2",  "platform": "PLATFORM\_2",  // PLATFORM\_1, PLATFORM\_2, PLATFORM\_3, PLATFORM\_4  "status": "0",  // 状态 0: 正常, 1: 维修, 2: 故障, 3: 迁移, 4: 注销  "type": "DEVICE\_TYPE\_SWITCH",  // 取值范围: DEVICE\_TYPE\_SWITCH, ,DEVICE\_TYPE\_ROUTER, DEVICE\_TYPE\_FIREWALL,  // DEVICE\_TYPE\_GAP, DEVICE\_TYPE\_FGAP, DEVICE\_TYPE\_HOST, DEVICE\_TYPE\_VPN,  // DEVICE\_TYPE\_AMP, DEVICE\_TYPE\_AUP, DEVICE\_TYPE\_VSG, DEVICE\_TYPE\_NDX,  // Zabbix servers,  "area": "AREA\_1",  // AREA\_1, AREA\_2, AREA\_3, AREA\_4, AREA\_5,  "equipmentItemList": [  {  "hostId": "10271", // 设备的唯一标识  "itemKey": "cpu\_usage\_key", // 监控项Key  "itemId": " 28983", // 监控项ID  "itemName": "CPU使用率", // 监控项名称  "lastValue": "200", // 监控项最后一个值  "prevValue": "100" // 监控项上一个值  },  {  "hostId": "hostId",  "itemKey": "itemKey1",  "itemId": "itemId1",  "itemName": "itemName1",  "lastValue": "200",  "prevValue": "100"  }  ]  } |
| 返回值 |  |
| 说明 |  |
| 备注 |  |

## 删除主机

|  |  |
| --- | --- |
| 接口 | 删除主机 |
| URL | /host/delete/{hostId} |
| 方法 | DELETE |
| **Content-type** | application/json; charset=UTF-8 |
| 参数 |  |
| 返回值 |  |
| 说明 |  |
| 备注 |  |

## 增加事件

|  |  |
| --- | --- |
| 接口 | 增加事件 |
| URL | /event/add |
| 方法 | POST |
| **Content-type** | application/json; charset=UTF-8 |
| 参数 | {  "eventId": "14", // 事件Id  "hostId": "10271", // 设备的唯一标识  "eventStartTime": 1634538811000, // 事件发生时间  "eventType": 0,  // 0 CPU负载, 1 内存负载, 2 硬盘负载, 3 网络负载  "eventTypeDesc": "High CPU utilization",  "eventPriority": "2",  "eventPriorityDesc": "高优先级",  "eventDesc": "集中管控 has been restarted"  } |
| 返回值 |  |
| 说明 |  |
| 备注 |  |

## 更新事件

|  |  |
| --- | --- |
| 接口 | 更新主机 |
| URL | /event/update/{eventId} |
| 方法 | PUT |
| **Content-type** | application/json; charset=UTF-8 |
| 参数 | {  "eventId": "14", // 事件Id  "hostId": "10271", // 设备的唯一标识  "eventEndTime": 1634538911000, // 事件结束时间  "eventType": 0,  // 0 CPU负载, 1 内存负载, 2 硬盘负载, 3 网络负载  "eventTypeDesc": "High CPU utilization",  "eventPriority": "2",  "eventPriorityDesc": "高优先级",  "eventDesc": "集中管控 has been restarted"  } |
| 返回值 |  |
| 说明 |  |
| 备注 |  |

事件信息EsEquipmentEventLog

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Event ID | eventId | Zabbix事件列表 | eventid | objectid |
| 设备唯一标识 | hostId | EquipmentTriggerDTO  [objectId] | hostId |  |
| 设备名称 | hostName | Equipment[hostId] | Name |  |
| 设备类型 | hostType | Equipment | Type |  |
| 设备部署区域 | hostPlatform | Equipment | Platform |  |
| 设备部署区域名称 | hostPlatformName | Equipment | Platform |  |
| 事件发生时间 | eventStartTime | Zabbix事件列表 | Clock | r\_eventid |
| 解决状态 | resolvedStatus | 计算 |  |  |
| 事件结束时间 | eventEndTime | Zabbix事件列表  [r\_eventid] | Clock |  |
| 事件持续时间 | eventDuration | 计算 |  |  |
| 事件类型 | eventType | EquipmentTriggerDTO | description |  |
| 事件类型描述 | eventTypeDesc | EquipmentTriggerDTO | description |  |
| 事件优先级 | eventPriority | EquipmentTriggerDTO | priority |  |
| 事件优先级名称 | eventPriorityDesc | EquipmentTriggerDTO | PriorityDesc |  |
| 事件描述 | eventDesc | EquipmentTriggerDTO | description |  |
| 确认状态 | confirmStatus | Web |  |  |
| 确认者姓名 | confirmUsername | Web |  |  |
| 确认时间 | confirmTime | Web |  |  |

触发器信息EquipmentTriggerDTO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 设备唯一标识 | hostId | Zabbix的Trigger | Hostid |  |
| 表达式 | expression | Zabbix的Trigger | expression |  |
| 优先级 | priority | Zabbix的Trigger | priority |  |
| 描述 | description | Zabbix的Trigger | description |  |
| 监控项Id | itemId |  |  |  |

主机信息Equipment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | id |  |  |  |
| 设备安装的物理地址 | systemLocation | 无 |  |  |
| 厂家/型号 | manufactory | 无 |  |  |
| 供应商 | vendor | 无 |  |  |
| 技术支持联系人 | echsupport | 无 |  |  |
| 技术支持联系电话 | phone | 无 |  |  |
| 设备提供的服务 | systemServices | 无 |  |  |
| 设备的唯一标识 | hostId | Zabbix的Host | hostid |  |
| 设备显示名称 | name | Zabbix的Host | name |  |
| 主机的正式名称 | host | Zabbix的Host | host |  |
|  | ip | Zabbix的Host | Ips |  |
|  | platform | Zabbix的Host | Groups |  |
| 子平台部署区域 | status | Zabbix的Host | status |  |
| 设备类型 | type | Zabbix的Host | Groups |  |
| 子平台下的区域位置 | area | Zabbix的Host | Groups |  |

监控项信息EquipmentItem

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | id |  |  |  |
| 监控项标识 | itemKey | Zabbix的Item | key\_ |  |
| item标识 | itemId | Zabbix的Item | itemid |  |
|  | itemName | Zabbix的Item | name |  |
|  | prevValue | Zabbix的Item | prevvalue |  |
| 设备的唯一标识 | hostId | Equipment | hostid |  |
|  | lastValue | Zabbix的Item | lastvalue |  |

设备宏信息EquipmentMacro

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | id |  |  |  |
| 设备的唯一标识 | hostId | Equipment | hostid |  |
|  | name | Zabbix的Macros | macro |  |
|  | value | Zabbix的Macros | value |  |
|  | type | Template |  |  |
|  | createTime | New date |  |  |
|  | updateTime | New date |  |  |