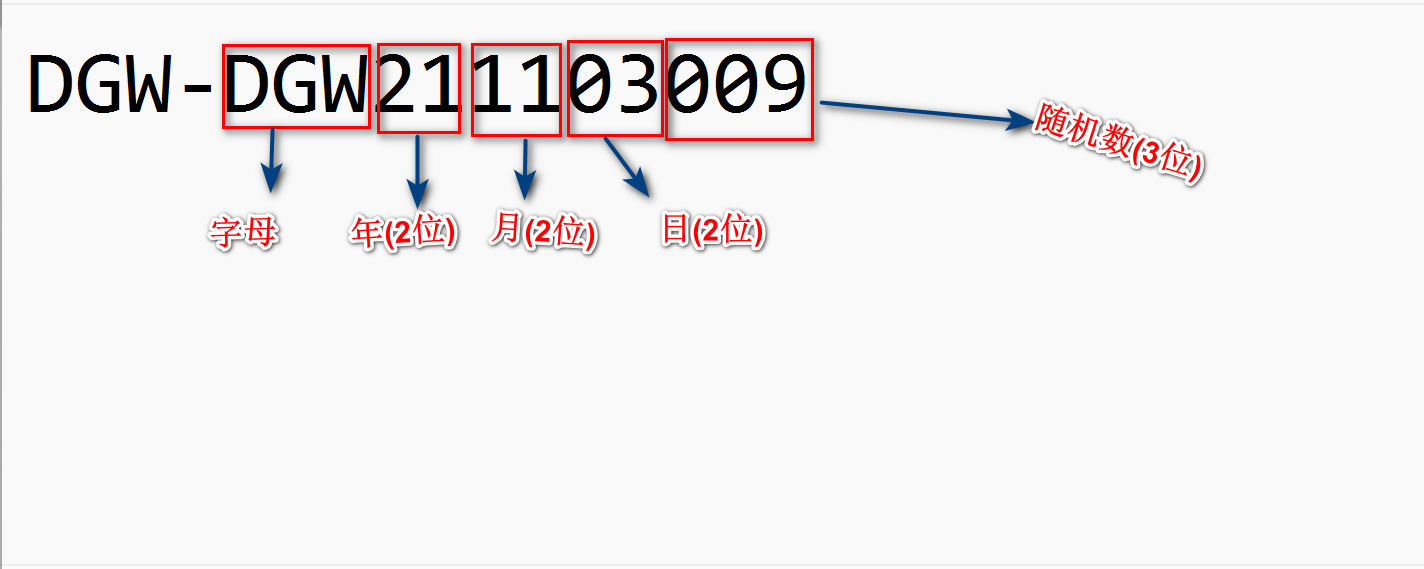
项目名称

SiteManagement

接口说明书

1. 内部测试环境：[Swagger UI (chinacloudsites.cn)](https://cn-ins-elinkcicd-appservice-001-d.chinacloudsites.cn/swagger/index.html)（cicd），可以跑通，能查gateway(某个特定的网管: DGW-DGW211103009)的在线状态，和设备的在线状态(某个特定的设备:PEC-VCC250610001)
2. 外部测试环境：[Swagger UI (chinacloudsites.cn)](https://cn-ins-edmiot-appservice-sitemgmt-d.chinacloudsites.cn/swagger/index.html)

本次修改做的一下的调正:

1. 所有的站点的id, 在返回的response里边的名字为site\_id.
2. 所有的设备号，都不做验证，例如mesh.json,直接取值(在mesh.json里边应该带上前缀:PEC-VCC250610001).
3. 所有的网管也应该带上前缀（DGW-DGW211103009），同时会对”-”后边做校验. 
4. 添加删除站点下的gateway接口。
5. 所有的设备的操作的api重新名字(devicemapping)
6. Health接口(api/{siteId}/health)，返回的结构的调整.

|  |  |
| --- | --- |
| 当前版本： | 0.0.1 |
| 作 者： |  |
| 完成日期： |  |

版 本 历 史

|  |  |  |
| --- | --- | --- |
| 版本/状态 | 作者 | 备注 |
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# 1.站点(site)

## 1.1 建立site

|  |  |
| --- | --- |
| Request Type | Post |
| URL | /api/sites |
| *URL parameters* | |
| *无* | |
| *Request Body* | |
| {  "registry": [    ]  } | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": {**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"registry": []**  **},**  **"errors": [],**  **"timestamp": 1683702285804**  **}** | |
| *R*equest Example | |
| 图形用户界面, 应用程序  描述已自动生成 | |
| *R*esponse Example | |
| 图形用户界面, 文本, 应用程序  描述已自动生成 | |

## 1.2 更新 site

|  |  |
| --- | --- |
| Request Type | Put |
| URL | /api/sites/{siteId} |
| *URL parameters* | |
| *无* | |
| *Request Body* | |
| {  "registry": [  {  "model": "vcc",  "url": "https://cninsedmiotblob001d.blob.core.chinacloudapi.cn/flt/configFiles/501418760/mesh/gateway-0001.json",  "checksum": "dhc/8WKWLEH3yaFfZtBagA=="  },  {  "model": "vrc",  "url": "https://cninsedmiotblob001d.blob.core.chinacloudapi.cn/flt/configFiles/501418760/mesh/lora-001.json",  "checksum": "1SjSa1lwsF9X06qBSTUZtg=="  }  ]  } | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": {**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"registry": [**  **{**  **"\_version": "638193005352156120",**  **"model": "vcc",**  **"url": "https://cninsedmiotblob001d.blob.core.chinacloudapi.cn/ecolink-site-management/deviceConfigFile/vcc/2ce85d16-7439-4e0d-a6d0-0a232134e0f2/gateway-0001.json",**  **"checksum": "dhc/8WKWLEH3yaFfZtBagA=="**  **},**  **{**  **"\_version": "638193005352156120",**  **"model": "vrc",**  **"url": "https://cninsedmiotblob001d.blob.core.chinacloudapi.cn/ecolink-site-management/deviceConfigFile/vrc/2ce85d16-7439-4e0d-a6d0-0a232134e0f2/lora-001.json",**  **"checksum": "1SjSa1lwsF9X06qBSTUZtg=="**  **}**  **]**  **},**  **"errors": [],**  **"timestamp": 1683703735215**  **}** | |
| *R*equest Example | |
| 图形用户界面, 文本, 应用程序  描述已自动生成 | |
| *R*esponse Example | |
| 文本  描述已自动生成 | |

## 1.3 查询 site

|  |  |
| --- | --- |
| Request Type | Get |
| URL | /api/sites/{siteId} |
| *URL parameters* | |
| *无* | |
| *Request Body* | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": {**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"registry": [**  **{**  **"\_version": "638193005352156120",**  **"model": "vcc",**  **"url": "https://cninsedmiotblob001d.blob.core.chinacloudapi.cn/ecolink-site-management/deviceConfigFile/vcc/2ce85d16-7439-4e0d-a6d0-0a232134e0f2/gateway-0001.json",**  **"checksum": "dhc/8WKWLEH3yaFfZtBagA=="**  **},**  **{**  **"\_version": "638193005352156120",**  **"model": "vrc",**  **"url": "https://cninsedmiotblob001d.blob.core.chinacloudapi.cn/ecolink-site-management/deviceConfigFile/vrc/2ce85d16-7439-4e0d-a6d0-0a232134e0f2/lora-001.json",**  **"checksum": "1SjSa1lwsF9X06qBSTUZtg=="**  **}**  **]**  **},**  **"errors": [],**  **"timestamp": 1683703960308**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |

# 2. 网管(gateway)

## 2.1 把gateway添加到site上。

|  |  |
| --- | --- |
| Request Type | POST |
| URL | /api/sites/{siteId}/gateway |
| *URL parameters* | |
| *无* | |
| *Request Body* | |
| {  "sn": "DGW-DGW211103008"  } | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": null,**  **"errors": [],**  **"timestamp": 1683704240825**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |

## 2.2更新gateway的sn.

|  |  |
| --- | --- |
| Request Type | Put |
| URL | /api/sites/{siteId}/gateway |
| *URL parameters* | |
| *无* | |
| *Request Body* | |
| {  "old": "DGW-DGW211103008",  "new": "DGW-DGW211103009"  } | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": null,**  **"errors": [],**  **"timestamp": 1683704240825**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |

## 2.3 获取site 下的gateway

|  |  |
| --- | --- |
| Request Type | Get |
| URL | /api/sites/{siteId}/gateway |
| *URL parameters* | |
| *无* | |
| *Request Body* | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": {**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"total": 2,**  **"gateway": [**  **{**  **"id": "DGW-DGW211103009",**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"connection\_state": "online",**  **"last\_seen": "2023-05-10T08:00:40.91"**  **},**  **{**  **"id": "DGW-DGW211103008",**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"connection\_state": "offline",**  **"last\_seen": null**  **}**  **]**  **},**  **"errors": [],**  **"timestamp": 1683705862700**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |
|  | |

## 2.4删除Site下的某个gateway

|  |  |
| --- | --- |
| Request Type | Delete |
| URL | /api/sites/{siteId}/gateway{gatewayId} |
| *URL parameters* | |
| *无* | |
| *Request Body* | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": null,**  **"errors": [],**  **"timestamp": 1683705933503**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |
|  | |

# 3.设备配置(device)到网管(gateway)

## 3.1获取site 或 gateway下的设备

|  |  |
| --- | --- |
| Request Type | Get |
| URL | /api/sites/{siteId}/devicemapping |
| *URL parameters* | |
| gatewayId (option) | |
| *Request Body* | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": {**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"no\_owner": {**  **"vcc": [**  **{**  **"id": "PEC-VCC250610001"**  **},**  **{**  **"id": "PEC-VCC250610002"**  **}**  **],**  **"vrc": [**  **{**  **"id": "LOR-VRC230505001"**  **},**  **{**  **"id": "LOR-VRC230505002"**  **}**  **]**  **},**  **"gateway": []**  **},**  **"errors": [],**  **"timestamp": 1683706181404**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |
|  | |

## 3.2 设备添加到网管

|  |  |
| --- | --- |
| Request Type | POST |
| URL | /api/sites/{siteId}/devicemapping/{gatewayId} |
| *URL parameters* | |
|  | |
| *Request Body* | |
| {  "deviceIds": [  "PEC-VCC250610001",  "LOR-VRC230505001"  ]  } | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": null,**  **"errors": [],**  **"timestamp": 1683706674181**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |
|  | |

## 3.3更新网管下的设备

|  |  |
| --- | --- |
| Request Type | PUT |
| URL | /api/sites/{siteId}/devicemapping/{gatewayId} |
| *URL parameters* | |
|  | |
| *Request Body* | |
| {  "deviceIds": [  "PEC-VCC250610001",  "LOR-VRC230505001",  "PEC-VCC250610002",  "LOR-VRC230505002"  ]  } | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": null,**  **"errors": [],**  **"timestamp": 1683706674181**  **}** | |
| *R*equest Example | |
| 图形用户界面, 文本, 应用程序, 电子邮件  描述已自动生成 | |
| *R*esponse Example | |
|  | |
|  | |

## 3.4删除已经添加到gateway中的某个设备

|  |  |
| --- | --- |
| Request Type | Delete |
| URL | /api/sites/{siteId}/devicemapping/{deviceId} |
| *URL parameters* | |
|  | |
| *Request Body* | |
|  | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": null,**  **"errors": [],**  **"timestamp": 1683707428864**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |
|  | |

# 4.设备状态查询（health）

## 3.1查询site 的设备状态

|  |  |
| --- | --- |
| Request Type | Get |
| URL | /api/sites/{siteId}/health |
| *URL parameters* | |
|  | |
| *Request Body* | |
|  | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": {**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"vcc": {**  **"total": 2,**  **"online": 1,**  **"data": [**  **{**  **"id": "PEC-VCC250610001",**  **"connection\_state": "online",**  **"last\_seen": "2023-05-09T22:26:54.2533333"**  **}**  **]**  **},**  **"vrc": {**  **"total": 2,**  **"online": 0,**  **"data": []**  **}**  **},**  **"errors": [],**  **"timestamp": 1683707741583**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |
|  | |

## 3.2 查询site 的某个设备的状态

|  |  |
| --- | --- |
| Request Type | Get |
| URL | /api/sites/{siteId}/{deviceId} |
| *URL parameters* | |
|  | |
| *Request Body* | |
|  | |
|  | |
| *Response Body* | |
| **{**  **"status": 200,**  **"data": {**  **"id": "PEC-VCC250610001",**  **"site\_id": "32108fc4-b25d-4938-ac4b-8145e6456729",**  **"connection\_state": "offline",**  **"last\_seen": null,**  **"last\_event": null**  **},**  **"errors": [],**  **"timestamp": 1683709242978**  **}** | |
| *R*equest Example | |
|  | |
| *R*esponse Example | |
|  | |
|  | |
|  | |