

- OMC
- Authentication
- 网元直连接口
  - GET 获取网元告警
    - Params
    - Responses
    - Responses Data Schema
- 网元直连接口/参数配置
  - PUT 网元配置对端网管信息
    - Params
    - Responses
    - Responses Data Schema
  - GET 网元参数配置数据
    - Params
    - Responses
    - Responses Data Schema
  - PUT 网元参数配置更新
    - Params
    - Responses
    - Responses Data Schema
  - DELETE 网元参数配置删除 (array)
    - Params
    - Responses
    - Responses Data Schema
  - POST 网元参数配置新增 (array)
    - Params
    - Responses
    - Responses Data Schema
- 网元直连接口/AMF
  - GET AMF基站信息
    - Params
    - Responses
    - Responses Data Schema
- 网元直连接口/IMS
  - GET IMS会话数
    - Params
    - Responses

- Responses Data Schema
- GET IMS会话信息
  - Params
  - Responses
  - Responses Data Schema
- 网元直连接口/SMF
  - GET SMF会话数
    - Params
    - Responses
    - Responses Data Schema
  - GET SMF在线用户列表
    - Params
    - Responses
    - Responses Data Schema
- 网元直连接口/PCF
  - GET Query PCF UE Info
    - Params
    - Responses
    - Responses Data Schema
  - POST Add PCF UE Info
    - Params
    - Responses
    - Responses Data Schema
  - PUT Modify PCF UE Info
    - Params
    - Responses
    - Responses Data Schema
  - DELETE Delete PCF UE Info
    - Params
    - Responses
    - Responses Data Schema
  - POST Batch Add PCF UE Info
    - Params
    - Responses
    - Responses Data Schema
  - PUT Batch Modify PCF UE Info
    - Params
    - Responses

- Responses Data Schema
- DELETE Batch Delete PCF UE Info
  - Params
  - Responses
  - Responses Data Schema
- GET Export PCF UE Info
  - Params
  - Responses
  - Responses Data Schema
- PUT Import PCF UE Info
  - Params
  - Responses
  - Responses Data Schema
- 网元直连接口/OMC
  - GET 获取OMC状态
    - Params
    - Responses
    - Responses Data Schema
  - POST 告警信息上报
    - Params
    - Responses
    - Responses Data Schema
  - POST 黄金指标上报
    - Params
    - Responses
    - Responses Data Schema
- 网元直连接口/N3IWF
  - GET N3IWF会话信息
    - Responses
    - Responses Data Schema
- Data Schema

# OMC

---

OMC HTTP Restful API Interfaces

Base URLs:

- [直连网元:](http://192.168.150:33030)  
<http://192.168.150:33030>

# Authentication

## 网元直连接口

## GET 获取网元告警

GET

/api/rest/faultManagement/v1/elementType/{elementTypeValue}/objectType/alarms

OMC不支持，部分网元也不支持，具体看情况

## Params

Name	Location	Type	Required	Description
elementTypeValue	path	string	yes	网元类型

### Response Examples

成功

null

```
[
  {
    "alarmSeq": 0,
    "alarmId": "90001711797675752",
    "neId": "4400HX1SMF001",
    "neName": "SMF_001",
    "neType": "SMF",
    "objectName": "SMF_001",
    "province": "网元所在省份",
    "PVFlag": "PNF",
    "eventTime": "2024-03-30T19:21:15+08:00",
    "alarmCode": 9000,
    "alarmType": "EquipmentAlarm",
```

```
"alarmTitle": "Service Process Startup",
"origSeverity": "Event",
"alarmStatus": 1,
"specificProblem": "cause:Service Process Startup",
"specificProblemID": "AC9000",
"locationInfo": "PDI:3964079,User:root,PName:smf,StartTime:2024-03-30 19:21:15"
}
]
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

### HTTP Status Code 200

Name	Type	Required	Restrictions	Title	description
» alarmSeq	integer	false	none		none
» alarmId	string	false	none		none
» neld	string	false	none		none
» neName	string	false	none		none
» neType	string	false	none		none
» objectName	string	false	none		none
» province	string	false	none		none
» PVFlag	string	false	none		none
» eventTime	string	false	none		none
» alarmCode	integer	false	none		none
» alarmType	string	false	none		none
» alarmTitle	string	false	none		none
» origSeverity	string	false	none		none

Name	Type	Required	Restrictions	Title	description
» alarmStatus	integer	false	none		none
» specificProblem	string	false	none		none
» specificProblemID	string	false	none		none
» locationInfo	string	false	none		none

## 网元直连接口/参数配置

### PUT 网元配置对端网管信息

PUT

/api/rest/systemManagement/v1/elementType/{elementTypeValue}/objectType/config/mcNeConfig

在网管上配置相连的网元信息，下发参数给网元。 udm pcf ausf下发返回200 响应请求内容 ims smf amf下发返回204 无数据返回 nssf下发返回201 响应操作修改内容

#### Body Parameters

```
{
  "neId": "001",
  "neName": "SMF_001",
  "port": 3030,
  "province": "-",
  "pvFlag": "PNF",
  "rmUID": "4400HX1SMF001",
  "vendorName": "AGrandTech",
  "dn": "-"
}
```

## Params

Name	Location	Type	Required	Title	Description
elementTypeValue	path	string	yes		网元类型
body	body	object	no		none

Name	Location	Type	Required	Title	Description
» neld	body	string	yes	网元标识(内部)	none
» rmUID	body	string	yes	rmUID 网元唯一标识	none
» neName	body	string	yes	网元名称(内部)/友好名称(北向资源/性能等使用)	none
» pvFlag	body	string	yes	网元虚实性标识 VNF/PNF: 虚拟/物理	none
» province	body	string	yes	网元所在省份	none
» vendorName	body	string	yes	厂商名称	none
» dn	body	string	yes	资源里边的 ManagedBy, 性能的Dn, 网络唯一标识	none

### Response Examples

成功

### 204 Response

```
{}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline
204	No Content	删除成功	Inline

## Responses Data Schema

# GET 网元参数配置数据

GET

/api/rest/systemManagement/v1/elementType/{elementTypeValue}/objectType/config/{paraName}

## Params

Name	Location	Type	Required	Title	Description
elementTypeValue	path	string	yes		网元类型
paraName	path	string	yes		网元参数mib

### Response Examples

#### Success

```
{
  "data": [
    {
      "index": 0,
      "plmnId": "46011",
      "tac": 81
    },
    {
      "index": 1,
      "plmnId": "46011",
      "tac": 82
    }
  ]
}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	Success	Inline

## Responses Data Schema



# PUT 网元参数配置更新

PUT

/api/rest/systemManagement/v1/elementType/{elementTypeValue}/objectType/config/{paraName}

成功204 无内容 仅array使用index属性定位变更数据项

## Body Parameters

```
{
  "index": 2,
  "plmnId": "46060",
  "apn": "internet",
  "pgwIp": "192.168.1.181"
}
```

## Params

Name	Location	Type	Required	Title	Description
elementTypeValue	path	string	yes		网元类型小写
paraName	path	string	yes		可用属性值
loc	query	string	no		仅array 层级 index, 必须大于已有的
body	body	object	no		none

## Response Examples

No Content

## Responses

HTTP Status Code	Meaning	Description	Data schema
204	No Content	No Content	Inline

# Responses Data Schema

## DELETE 网元参数配置删除（array）

DELETE

/api/rest/systemManagement/v1/elementType/{elementTypeValue}/objectType/config/{paraName}

成功返回204 无内容 array类型会有loc的层概念, 多层时需要, 划分嵌套层  
0/ueDnnIppool/1

### Params

Name	Location	Type	Required	Title	Description
elementTypeValue	path	string	yes		网元类型小写
paraName	path	string	yes		可用属性值
loc	query	string	yes		层级 index, 必须大于已有的

#### Response Examples

#### 204 Response

### Responses

HTTP Status Code	Meaning	Description	Data schema
204	No Content	No Content	Inline

# Responses Data Schema

## POST 网元参数配置新增（array）

POST

/api/rest/systemManagement/v1/elementType/{neType}/objectType/config/{paramName}

响应200成功, 请求体发送什么返回什么 array类型会有loc的层概念, 多层时需要, 划分嵌套层0/ueDnnIpPool/1

### Body Parameters

```
{
  "index": 3,
  "plmnId": "46000",
  "tac": 1,
  "regionId": 1,
  "setId": 1,
  "pointer": 1,
  "amfIp": "192.168.1.188"
}
```

## Params

Name	Location	Type	Required	Title	Description
neType	path	string	yes		网元类型小写
paramName	path	string	yes		可用属性值
loc	query	string	yes		层级 index, 必须大于已有的
body	body	object	no		none

### Response Examples

成功

```
null
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

### 网元直连接口/AMF

## GET AMF基站信息

GET /api/rest/ueManagement/v1/elementType/amf/objectType/nbInfo

### Params

Name	Location	Type	Required	Title	Description
nbld	query	string	yes		none
neld	query	string	yes		none

#### Response Examples

记录不存在

```
{
  "cause": "GNB_NOT_FOUND",
  "status": 404
}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
404	Not Found	记录不存在	Inline

## Responses Data Schema

# 网元直连接口/IMS

## GET IMS会话数

GET /api/rest/ueManagement/v1/elementType/ims/objectType/ueNum

### Params

Name	Location	Type	Required	Title	Description
neld	query	string	no		none
Authorization	header	string	yes		Authoirzation token
Referer	header	string	yes		User Referer
User-Agent	header	string	yes		User Agent
Accept-Language	header	string	yes		en_US;q=0.9

### Response Examples

#### Success

```
{
  "ueNum": 512
}
```

```
{
  "ueNum": 512
}
```

### Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	Success	Inline

# Responses Data Schema

## GET IMS会话信息

GET /api/rest/ueManagement/v1/elementType/ims/objectType/ueInfo

### Params

Name	Location	Type	Required	Title	Description
neld	query	string	no		none
Authorization	header	string	yes		Authoirzation token
Referer	header	string	yes		User Referer
User-Agent	header	string	yes		User Agent
Accept-Language	header	string	yes		en_US;q=0.9

### Response Examples

#### Success

```
{
  "ueNum": 512
}
```

```
{
  "ueNum": 512
}
```

### Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	Success	Inline

# Responses Data Schema

## 网元直连接口/SMF

### GET SMF会话数

GET /api/rest/ueManagement/v1/elementType/smf/objectType/ueNum

只含5G用户数据

### Params

Name	Location	Type	Required	Title	Description
neld	query	string	no		none
Authorization	header	string	yes		Authoirzation token
Referer	header	string	yes		User Referer
User-Agent	header	string	yes		User Agent
Accept-Language	header	string	yes		en_US;q=0.9

#### Response Examples

#### OK

```
{
  "data": {
    "ueNum": 26090
  }
}
```

### Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	OK	Inline

# Responses Data Schema

HTTP Status Code **200**

Name	Type	Required	Restrictions	Title	description
» data	object	true	none		none
»» ueNum	integer	true	none		none

## GET SMF在线用户列表

GET /api/rest/ueManagement/v1/elementType/smf/objectType/ueInfo

含4G 5G用户数据

### Params

Name	Location	Type	Required	Title	Description
imsi	query	string	no		none
msisdn	query	string	no		none
pageNum	query	number	no		Page number, default 1
pageSize	query	number	no		Size of one page, default 10

#### Response Examples

OK

```
{
  "rows": [
    {
      "imsi": "imsi-001010000000000",
      "msisdn": "msisdn-1010000000",
      "ratType": "NR",
      "pduSessionInfo": [
        {
          "ipv4": "11.0.4.224",
          "dnn": "cmnet",
          "tai": "00101-001124",
          "pduSessionID": 1,
        }
      ]
    }
  ]
}
```



```

    "ipv6": "",
    "sstSD": "1-000001",
    "upfN3IP": "192.168.1.161",
    "ranN3IP": "192.168.8.34",
    "activeTime": "2024-06-27 14:41:09",
    "upState": "Active"
  }
]
},
],
"total": 1
}

```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	OK	Inline

## Responses Data Schema

HTTP Status Code **200**

Name	Type	Required	Restrictions	Title	description
» rows	[object]	true	none		none
»» imsi	string	true	none		none
»» msisdn	string	true	none		none
»» ratType	string	true	none		none
»» pduSessionInfo	[object]	true	none		none
»»» ipv4	string	true	none		none
»»» dnn	string	true	none		none
»»» tai	string	true	none		none
»»» pduSessionID	integer	true	none		none
»»» ipv6	string	true	none		none
»»» sstSD	string	true	none		none
»»» upfN3IP	string	true	none		none

Name	Type	Required	Restrictions	Title	description
»»» ranN3IP	string	true	none		none
»»» activeTime	string	true	none		none
»»» upState	string	true	none		none
» total	integer	true	none		none

## 网元直连接口/PCF

### GET Query PCF UE Info

GET /api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo

#### Params

Name	Location	Type	Required	Title	Description
imsi	query	string	no		none
msisdn	query	string	no		none
neld	query	string	yes		none
AccessToken	header	string	yes		none
Authorization	header	string	yes		Authoirzation token
Referer	header	string	yes		User Referer
User-Agent	header	string	yes		User Agent
Accept-Language	header	string	yes		en_US;q=0.9

#### Response Examples

##### 成功

```
{
  "data": [
    {
      "msisdn": "12307550237",
```

```
    "pccRules": "internet",
    "rfsp": 0,
    "sessRules": "internet"
  },
  {
    "msisdn": "12307550238",
    "pccRules": "internet|ims_sig",
    "rfsp": 0,
    "sessRules": "internet|ims_sig"
  }
]
```

```
{
  "data": [
    {
      "msisdn": "12307550237",
      "pccRules": "internet",
      "rfsp": 0,
      "sessRules": "internet"
    },
    {
      "msisdn": "12307550238",
      "pccRules": "internet|ims_sig",
      "rfsp": 0,
      "sessRules": "internet|ims_sig"
    }
  ]
}
```

```
{
  "data": [
    {
      "hdrEnrich": "dnn",
      "imsi": "460990100000006",
      "msisdn": "86755900001",
      "pccRules": "internet|ims_sig",
      "qosAudio": "qos_audio",
      "qosVideo": "qos_video",
      "rfsp": 1,
      "sar": "def_sar",
      "sessRules": "internet|ims_sig",
      "uePolicy": "uep_001"
    }
  ]
}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

# POST Add PCF UE Info

POST /api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo

### Body Parameters

```
{
  "imsi": "460990100000002",
  "msisdn": "86755900001",
  "qosAudio": "qos_audio",
  "pccRules": "internet|ims_sig",
  "rfsp": 1,
  "uePolicy": "uep_001",
  "sessRules": "internet|ims_sig",
  "sar": "def_sar",
  "hdrEnrich": "dnn",
  "qosVideo": "qos_video"
}
```

## Params

Name	Location	Type	Required	Title	Description
neld	query	string	yes		none
body	body	object	no		none
» imsi	body	string	yes		none
» msisdn	body	string	yes		none
» rfsp	body	integer	no		none
» sar	body	string	no		none
» pccRules	body	string	no		none
» sessRules	body	string	no		none

Name	Location	Type	Required	Title	Description
» uePolicy	body	string	no		none
» qosAudio	body	string	no		none
» qosVideo	body	string	no		none
» hdrEnrich	body	string	no		none

## Response Examples

### 200 Response

```
{}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

# PUT Modify PCF UE Info

PUT /api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo

## Body Parameters

```
{
  "imsi": "000510200000001",
  "msisdn": "1350000001",
  "rfsp": "omitempty",
  "sar": "",
  "pccRules": "",
  "sessRules": "",
  "uePolicy": "",
  "qosAudio": "",
  "qosVideo": "",
```

```
"hdrEnrich": ""  
}
```

## Params

Name	Location	Type	Required	Title	Description
imsi	query	string	no		none
msisdn	query	string	no		none
neld	query	string	yes		none
AccessToken	header	string	yes		none
body	body	object	no		none
» imsi	body	string	yes		none
» msisdn	body	string	no		none
» rfsp	body	integer	no		none
» sar	body	string	no		none
» pccRules	body	string	no		none
» sessRules	body	string	no		none
» uePolicy	body	string	no		none
» qosAudio	body	string	no		none
» qosVideo	body	string	no		none
» hdrEnrich	body	string	no		none

### Response Examples

#### 200 Response

```
{}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

# DELETE Delete PCF UE Info

DELETE /api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo

## Params

Name	Location	Type	Required	Title	Description
imsi	query	string	yes		none
nelid	query	string	yes		none
AccessToken	header	string	yes		none

### Response Examples

#### Record Not Found

```
{
  "cause": "DATA_NOT_FOUND",
  "status": 404
}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
404	Not Found	Record Not Found	Inline

## Responses Data Schema

## HTTP Status Code 404

Name	Type	Required	Restrictions	Title	description
» cause	string	true	none		none
» status	integer	true	none		none

# POST Batch Add PCF UE Info

POST /api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo/batch/{number}

### Body Parameters

```
{
  "num": 11,
  "imsi": "260990100000001",
  "msisdn": "86755900001",
  "qosAudio": "qos_audio",
  "pccRules": "internet|ims_sig",
  "rfsp": 1,
  "uePolicy": "uep_001",
  "sessRules": "internet|ims_sig",
  "sar": "def_sar",
  "hdrEnrich": "dnn",
  "qosVideo": "qos_video",
  "neId": "001"
}
```

## Params

Name	Location	Type	Required	Title	Description
number	path	string	yes		none
neId	query	string	yes		none
body	body	object	no		none
» imsi	body	string	yes		none
» msisdn	body	string	yes		none
» rfsp	body	integer	no		none



Name	Location	Type	Required	Title	Description
» sar	body	string	no		none
» pccRules	body	string	no		none
» sessRules	body	string	no		none
» uePolicy	body	string	no		none
» qosAudio	body	string	no		none
» qosVideo	body	string	no		none
» hdrEnrich	body	string	no		none

## Response Examples

### 200 Response

```
{}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

# PUT Batch Modify PCF UE Info

PUT /api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo/batch/{number}

## Body Parameters

```
{
  "imsi": "000510200000001",
  "msisdn": "1350000001",
  "rfsp": "omitempty",
  "sar": ""
```

```
"pccRules": "",
"sessRules": "",
"uePolicy": "",
"qosAudio": "",
"qosVideo": "",
"hdrEnrich": ""
}
```

## Params

Name	Location	Type	Required	Title	Description
number	path	string	yes		none
neld	query	string	yes		none
body	body	object	no		none
» imsi	body	string	yes		none
» msisdn	body	string	yes		none
» rfsp	body	integer	yes		none
» sar	body	string	yes		none
» pccRules	body	string	yes		none
» sessRules	body	string	yes		none
» uePolicy	body	string	yes		none
» qosAudio	body	string	yes		none
» qosVideo	body	string	yes		none
» hdrEnrich	body	string	yes		none

### Response Examples

#### 200 Response

```
{}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

# DELETE Batch Delete PCF UE Info

DELETE

/api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo/batch/{number}

## Params

Name	Location	Type	Required	Title	Description
number	path	string	yes		none
neld	query	string	yes		none
imsi	query	string	yes		none
Authorization	header	string	yes		Authoirzation token
Referer	header	string	yes		User Referer
User-Agent	header	string	yes		User Agent
Accept-Language	header	string	yes		en_US;q=0.9

### Response Examples

#### 成功

```
{
  "cause": "no imsi",
  "status": 400
}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

# GET Export PCF UE Info

GET /api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo/file/export

## Params

Name	Location	Type	Required	Title	Description
neld	query	string	yes		none
fileType	query	string	yes		none

### Response Examples

#### 200 Response

```
{}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

## Responses Data Schema

# PUT Import PCF UE Info

PUT /api/rest/ueManagement/v1/elementType/pcf/objectType/ueInfo/file/import

## Body Parameters

```
{
  "neId": "001",
  "type": "txt",
  "filePath": "xxx.txt"
}
```

## Params

Name	Location	Type	Required	Title	Description
neId	query	string	yes		none
filePath	query	string	yes		none
fileType	query	string	yes		none
body	body	object	no		none
» imsi	body	string	yes		none
» msisdn	body	string	yes		none
» rfsp	body	integer	yes		none
» sar	body	string	yes		none
» pccRules	body	string	yes		none
» sessRules	body	string	yes		none
» uePolicy	body	string	yes		none
» qosAudio	body	string	yes		none
» qosVideo	body	string	yes		none
» hdrEnrich	body	string	yes		none

## Response Examples

### OK

```
{
  "detail": "[Request Body] unexpected end of JSON input",
  "status": 400,
}
```

```
"title": "Malformed request syntax"
}
```

```
{
  "neId": "001",
  "fileType": "txt",
  "filePath": "/home/agtuser/PCF_001_1701420431873_zsda89.txt"
}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	OK	Inline

## Responses Data Schema

HTTP Status Code **200**

Name	Type	Required	Restrictions	Title	description
» neId	string	true	none		none
» fileType	string	true	none		none
» filePath	string	true	none		none

## 网元直连接口/OMC

### GET 获取OMC状态

GET

/api/rest/systemManagement/v1/elementType/{elementTypeValue}/objectType/systemState

## Params

Name	Location	Type	Required	Title	Description
elementTypeValue	path	string	yes		网元类型
Authorization	header	string	yes		Authoirzation token
Referer	header	string	yes		User Referer
User-Agent	header	string	yes		User Agent
Accept-Language	header	string	yes		en_US;q=0.9

## Response Examples

### OK

```
{
  "hostName": "5GC",
  "osInfo": "Linux 5GC 4.15.0-112-generic #113-Ubuntu SMP Thu Jul 9 23:41:39 UTC
2020 x86_64 GNU/Linux",
  "dbInfo": "adb v1.0.1",
  "version": "2.2312.10",
  "ipAddr": [
    "192.168.1.173",
    ""
  ],
  "port": 3030,
  "capability": 50000,
  "serialNum": "13740272",
  "expiryDate": "2023-12-31",
  "cpuUsage": {
    "nfCpuUsage": 0,
    "sysCpuUsage": 209
  },
  "memUsage": {
    "totalMem": 8167368,
    "nfUsedMem": 1413816,
    "sysMemUsage": 2372
  },
  "diskSpace": {
    "partitionNum": 7,
    "partitionInfo": [
      {
        "total": 3966,
        "used": 0
      },
      {
        "total": 797,
        "used": 0
      },
      {
        "total": 200559,
        "used": 16755
      }
    ]
  }
}
```

```

    {
      "total": 3987,
      "used": 0
    },
    {
      "total": 5,
      "used": 0
    },
    {
      "total": 3987,
      "used": 0
    },
    {
      "total": 797,
      "used": 0
    }
  ]
}

```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	OK	Inline

## Responses Data Schema

### HTTP Status Code 200

Name	Type	Required	Restrictions	Title	description
» hostName	string	true	none		linux命令: hostname
» osInfo	string	true	none		linux命令: uname -a
» dbInfo	string	true	none		网元如果有db, 显示数据库名和版本信息
» version	string	true	none		软件版本信息
» ipAddr	[string]	true	none		none
» port	integer	true	none		端口
» capability	integer	true	none		none



Name	Type	Required	Restrictions	Title	description
» serialNum	string	true	none		none
» expiryDate	string	true	none		过期时间
» cpuUsage	object	true	none		CPIU使用
»» nfCpuUsage	integer	true	none		none
»» sysCpuUsage	integer	true	none		none
» memUsage	object	true	none		none
»» totalMem	integer	true	none		none
»» nfUsedMem	integer	true	none		none
»» sysMemUsage	integer	true	none		none
» diskSpace	object	true	none		none
»» partitionNum	integer	true	none		none
»» partitionInfo	[object]	true	none		none
»»» total	integer	true	none		none
»»» used	integer	true	none		none

## POST 告警信息上报

POST

/api/rest/faultManagement/v1/elementType/{elementTypeValue}/objectType/alarms

### Body Parameters

```
[
  {
    "alarmSeq": 1,
    "alarmId": "HXEMSSM10000",
    "neId": "4400HX1MOCNGW001",
    "alarmCode": 10000,
    "alarmTitle": "The system state is abnormal",
    "eventTime": "2024-03-18T18:08:18+08:00",
    "alarmType": "EquipmentAlarm",
```

```
"origSeverity": "Major",
"perceivedSeverity": "",
"pvFlag": "PNF",
"neName": "MOCNGW",
"neType": "MOCNGW",
"objectUid": "",
"objectName": "EMS;SystemManagement;Heartbeat",
"objectType": "SystemState",
"locationInfo": "SystemManagement.State: NE heartbeat timestamp=2024-03-13
18:02:29i%threshold=30",
"province": "",
"alarmStatus": 1,
"specificProblem": "Alarm cause: the system state of target NE has not been
received for 30 seconds",
"specificProblemID": "AC10000",
"addInfo": ""
}
]
```

## Params

Name	Location	Type	Required	Title	Description
elementTypeValue	path	string	yes		none
User-Agent	header	string	yes		User Agent
Accept-Language	header	string	yes		en_US;q=0.9
body	body	array[object]	no		none

### Response Examples

成功

```
{}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

# Responses Data Schema

## POST 黄金指标上报

POST

/api/rest/performanceManagement/v1/elementType/{elementTypeValue}/objectType/kpiReport/{index}

### Body Parameters

```
{\r\n  \"TimeStamp\": \"{% mock 'now', 'day', 'yyyy-MM-dd', '', mode='start' %}T{% mock 'now', 'second', 'HH:mm:ss+08:00', '', mode='start' %}\",\r\n  \"Task\": {\r\n    \"Period\": {\r\n      \"StartTime\": \"{% mock 'now', 'day', 'yyyy-MM-dd', '', mode='start' %}T{% mock 'now', 'second', 'HH:mm:ss+08:00', duration='-5 second', mode='start' %}\",\r\n      \"EndTime\": \"{% mock 'now', 'day', 'yyyy-MM-dd', '', mode='start' %}T{% mock 'now', 'second', 'HH:mm:ss+08:00', '', mode='start' %}\",\r\n    },\r\n    \"NE\": {\r\n      \"NEName\": \"MME_001\", \r\n      \"rmUID\": \"4400HX1MME001\", \r\n      \"NeType\": \"MME\", \r\n      \"KPIs\": [\r\n        {\r\n          \"KPIID\": \"MME.A.01\", \r\n          \"Value\": {% mock 'integer', 0, 5675 %}, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.02\", \r\n          \"Value\": {% mock 'integer', 0, 5675 %}, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.03\", \r\n          \"Value\": {% mock 'integer', 0, 5675 %}, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.04\", \r\n          \"Value\": {% mock 'integer', 0, 5675 %}, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.05\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.06\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.07\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.08\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.09\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.10\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.11\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.12\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.13\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.14\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.15\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }, \r\n        {\r\n          \"KPIID\": \"MME.A.16\", \r\n          \"Value\": 0, \r\n          \"Err\": \"\"\r\n        }\r\n      ]\r\n    }\r\n  }\r\n}
```

```

0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.17\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.18\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.19\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.20\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.21\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.22\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.23\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.24\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.25\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.26\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.27\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.28\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.29\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.30\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        },\r\n
{\r\n        \\"KPIID\\": \\"MME.A.31\\",\r\n        \\"Value\\":
0,\r\n        \\"Err\\": \\"\\\"\\r\n        }]\r\n
}\r\n    }\r\n}"

```

## Params

Name	Location	Type	Required	Title	Description
elementTypeValue	path	string	yes		网元类型
index	path	string	yes		黄金指标的上报粒度是1分钟，index是当前时间片在一天中的索引，取值：0~1439
Authorization	header	string	yes		Authoirzation token
Referer	header	string	yes		User Referer
User-Agent	header	string	yes		User Agent

Name	Location	Type	Required	Title	Description
Accept-Language	header	string	yes		en_US;q=0.9
body	body	object	no		none
» TimeStamp	body	string	yes		none
» Task	body	object	yes		none
»» Period	body	object	yes		none
»»» StartTime	body	string	yes		none
»»» EndTime	body	string	yes		none
»» NE	body	object	yes		none
»»» NENAME	body	string	yes		none
»»» rmUID	body	string	yes		none
»»» NeType	body	string	yes		none
»»» KPIs	body	[object]	yes		none
»»»» KPIID	body	string	yes		none
»»»» Value	body	integer	yes		none
»»»» Err	body	string	yes		none

## Response Examples

成功

```
null
```

```
{}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	成功	Inline

# Responses Data Schema

## 网元直连接口/N3IWF

### GET N3IWF会话信息

GET /api/rest/ueManagement/v1/elementType/n3iwf/objectType/ueInfo

#### Response Examples

#### Success

```
{
  "data": {
    "ueNum": 0
  }
}
```

## Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	Success	Inline

## Responses Data Schema

## Data Schema