PM

Base URLs:

Authentication

- HTTP Authentication, scheme: bearer

Default

POST 母线拓扑页面

POST /admin-api/bus/topology

> Body 请求参数

```
{
  "id": 37
}
```

请求参数

名称	位置	类型	必选	中文名	说明
body	body	object	否		none
» id	body	integer	是	柜列id	none

> 返回示例

> 成功

```
{
  "code": 0,
  "data": [
    {
      "busName": "Busbar-1",
      "devIp": "192.168.1.163",
      "path": "A",
      "direction": 0,
      "barKey": "192.168.1.163_Busbar-1",
      "busData": null,
      "boxDataList": [
        {
          "aisleBarId": 33,
          "aisleId": 6,
          "barKey": "192.168.1.163_Busbar-1_iBox-1",
          "boxIndex": 0,
          "boxName": "iBox-1",
          "createTime": "2024-07-19 17:11:14",
```

```json
        "id": 95,
        "type": 0,
        "updateTime": "2024-07-19 17:11:14"
      },
      {
        "aisleBarId": 33,
        "aisleId": 6,
        "barKey": "192.168.1.163_Busbar-1_iBox-2",
        "boxIndex": 1,
        "boxName": "iBox-2",
        "createTime": "2024-07-19 17:11:14",
        "id": 96,
        "type": 0,
        "updateTime": "2024-07-19 17:11:14"
      },
      {
        "aisleBarId": 33,
        "aisleId": 6,
        "barKey": "192.168.1.163_Busbar-1_iBox-3",
        "boxIndex": 2,
        "boxName": "iBox-3",
        "createTime": "2024-07-19 17:11:14",
        "id": 97,
        "type": 0,
        "updateTime": "2024-07-19 17:11:14"
      },
      {
        "aisleBarId": 33,
        "aisleId": 6,
        "barKey": "192.168.1.163_Busbar-1_iBox-4",
        "boxIndex": 3,
        "boxName": "iBox-4",
        "createTime": "2024-07-19 17:11:14",
        "id": 98,
        "type": 1,
        "updateTime": "2024-07-19 17:11:14"
      }
    ]
  },
  {
    "busName": "Busbar-2",
    "devIp": "192.168.1.150",
    "path": "B",
    "direction": 0,
    "barKey": "192.168.1.150_Busbar-2",
    "busData": null,
    "boxDataList": [
      {
        "aisleBarId": 34,
        "aisleId": 6,
        "barKey": "192.168.1.150_Busbar-2_iBox-1",
        "boxIndex": 0,
        "boxName": "iBox-1",
        "createTime": "2024-07-19 17:11:14",
        "id": 92,
```

```
        "type": 0,
        "updateTime": "2024-07-19 17:11:14"
      }
    ]
  }
],
"msg": ""
}
```

返回结果

状态码	状态码含义	说明	数据模型
200	OK	成功	Inline

返回数据结构

状态码 **200**

名称	类型	必选	约束	中文名	说明
» code	integer	true	none		none
» data	[object]	true	none		none
»» busName	string	true	none	始端箱名称	none
»» devIp	string	true	none	母线ip地址	none
»» path	string	true	none	AB路	none
»» direction	integer	true	none	方向左0 右1	none
»» barKey	string	true	none	key	none
»» busData	bus¦null	true	none	始端箱数据	none
»»» addr	integer	true	none		none
»»» bar_id	integer	true	none	母线id	none
»»» box_name	string	true	none	插接箱名称	none
»»» bus_data	object	true	none	母线数据	none
»»»» bus_cfg	object	true	none		none
»»»»» ac_dc	integer	true	none		none
»»»»» alarm_count	integer	true	none		none
»»»»» baud_rate	integer	true	none		none
»»»»» beep	integer	true	none		none
»»»»» box_num	integer	true	none		none

名称	类型	必选	约束	中文名	说明
»»»»» breaker_status	integer	true	none		none
»»»»» bus_version	string	true	none		none
»»»»» cur_specs	integer	true	none		none
»»»»» iof	integer	true	none		none
»»»»» isd	integer	true	none		none
»»»»» item_type	integer	true	none		none
»»»»» lsp_status	integer	true	none		none
»»»»» shunt_trip	integer	true	none		none
»»»»» work_mode	integer	true	none		none
»»»» bus_total_data	object	true	none	总数据	none
»»»»» cur_residual_alarm	integer	true	none		none
»»»»» cur_residual_status	integer	true	none		none
»»»»» cur_residual_value	integer	true	none	剩余电流	none
»»»»» cur_unbalance	integer	true	none	电流三相不平衡	none
»»»»» cur_zero_alarm	integer	true	none		none
»»»»» cur_zero_status	integer	true	none		none
»»»»» cur_zero_value	integer	true	none	零线电流	none
»»»»» ele_active	number	true	none	电能	none
»»»»» ele_apparent	string	true	none	视在电能	none
»»»»» ele_reactive	string	true	none	无功电能	none
»»»»» hz_max	integer	true	none		none
»»»»» hz_min	integer	true	none		none
»»»»» hz_status	integer	true	none		none
»»»»» hz_value	number	true	none		none
»»»»» pow_apparent	integer	true	none	视在功率	none
»»»»» pow_max	integer	true	none		none
»»»»» pow_min	integer	true	none		none
»»»»» pow_reactive	integer	true	none	总无功功率	none
»»»»» pow_status	integer	true	none		none

名称	类型	必选	约束	中文名	说明
»»»»»» pow_value	integer	true	none	总有功功率	none
»»»»»» power_factor	integer	true	none	功率因素	none
»»»»»» vol_unbalance	integer	true	none	电压三相不平衡	none
»»»» line_item_list	object	true	none		none
»»»»»» cur_max	[integer]	true	none		none
»»»»»» cur_min	[integer]	true	none		none
»»»»»» cur_status	[integer]	true	none		none
»»»»»» cur_thd	[integer]	true	none	电流谐波含量	none
»»»»»» cur_value	[integer]	true	none	电流	none
»»»»»» ele_active	[number]	true	none		none
»»»»»» ele_reactive	[string]	true	none		none
»»»»»» load_rate	[integer]	true	none		none
»»»»»» pow_apparent	[integer]	true	none	视在功率	none
»»»»»» pow_max	[integer]	true	none		none
»»»»»» pow_min	[integer]	true	none		none
»»»»»» pow_reactive	[integer]	true	none	无功功率值	none
»»»»» pow_status	[integer]	true	none		none
»»»»»» pow_value	[integer]	true	none	有功功率	none
»»»»»» power_factor	[integer]	true	none	功率因素	none
»»»»»» vol_line_max	[integer]	true	none		none
»»»»»» vol_line_min	[integer]	true	none		none
»»»»»» vol_line_status	[integer]	true	none		none
»»»»»» vol_line_value	[number]	true	none	线电压	none
»»»»»» vol_max	[integer]	true	none		none
»»»»»» vol_min	[integer]	true	none		none
»»»»»» vol_status	[integer]	true	none		none
»»»»»» vol_thd	[integer]	true	none	电压谐波含量	none
»»»»»» vol_value	[number]	true	none	电压	none
»»» bus_name	string	true	none	始端箱名称	none

名称	类型	必选	约束	中文名	说明
»»» datetime	string	true	none	时间	none
»»» dev_alarm	string	true	none	设备告警	none
»»» dev_ip	string	true	none	ip	none
»»» env_item_list	object	true	none	环境数据	none
»»»» tem_max	[integer]	true	none		none
»»»» tem_min	[integer]	true	none		none
»»»» tem_status	[integer]	true	none		none
»»»» tem_value	[integer]	true	none		none
»»» status	integer	true	none	状态	none
»»» sys_time	string	true	none	系统时间	none
»» boxDataList	[object]	true	none	插接箱数据	none
»»» aisleBarId	integer	true	none		none
»»» aisleId	integer	true	none		none
»»» barKey	string	true	none	key	none
»»» boxIndex	integer	true	none	插接箱位置	none
»»» boxName	string	true	none	插接箱名称	none
»»» createTime	string	true	none		none
»»» id	integer	true	none		none
»»» type	integer	true	none	插接箱类型	none
»»» updateTime	string	true	none		none
»»» data	[box](#)	true	none	插接箱数据	none
»»»» addr	integer	false	none		none
»»»» bar_id	integer	false	none		none
»»»» box_data	object	false	none	插接箱数据	none
»»»»» box_cfg	object	true	none		none
»»»»»» alarm_count	integer	true	none		none
»»»»»» baud_rate	integer	true	none		none
»»»»»» beep	integer	true	none		none
»»»»»» box_type	integer	true	none		none

名称	类型	必选	约束	中文名	说明
»»»»»» box_version	string	true	none		none
»»»»»» breaker_status	[integer]	true	none		none
»»»»»» iof	integer	true	none		none
»»»»»» item_type	integer	true	none		none
»»»»»» loop_num	integer	true	none		none
»»»»»» work_mode	integer	true	none		none
»»»»» box_total_data	object	true	none		none
»»»»»» ele_active	number	true	none		none
»»»»»» ele_apparent	string	true	none		none
»»»»»» ele_reactive	string	true	none		none
»»»»»» pow_active	integer	true	none		none
»»»»»» pow_apparent	integer	true	none		none
»»»»»» pow_reactive	integer	true	none		none
»»»»»» power_factor	integer	true	none		none
»»»»» line_item_list	object	true	none		none
»»»»»» cur_thd	[integer]	true	none		none
»»»»»» cur_value	[integer]	true	none		none
»»»»»» ele_active	[number]	true	none		none
»»»»»» ele_reactive	[string]	true	none		none
»»»»»» load_rate	[integer]	true	none		none
»»»»»» pow_active	[integer]	true	none		none
»»»»»» pow_apparent	[integer]	true	none		none
»»»»»» pow_reactive	[integer]	true	none		none
»»»»»» power_factor	[integer]	true	none		none
»»»»»» vol_value	[number]	true	none		none
»»»»» loop_item_list	object	true	none		none
»»»»»» cur_max	[integer]	true	none		none
»»»»»» cur_min	[integer]	true	none		none
»»»»»» cur_status	[integer]	true	none		none

名称	类型	必选	约束	中文名	说明
»»»»»» cur_value	[integer]	true	none		none
»»»»»» ele_active	[number]	true	none		none
»»»»»» ele_reactive	[string]	true	none		none
»»»»»» pow_apparent	[integer]	true	none		none
»»»»»» pow_max	[number]	true	none		none
»»»»»» pow_min	[integer]	true	none		none
»»»»»» pow_reactive	[integer]	true	none		none
»»»»»» pow_status	[integer]	true	none		none
»»»»»» pow_value	[integer]	true	none		none
»»»»»» power_factor	[integer]	true	none		none
»»»»»» vol_max	[integer]	true	none		none
»»»»»» vol_min	[integer]	true	none		none
»»»»»» vol_status	[integer]	true	none		none
»»»»»» vol_value	[number]	true	none		none
»»»»» outlet_item_list	object	true	none		none
»»»»»» ele_active	[number]	true	none		none
»»»»»» ele_apparent	[string]	true	none		none
»»»»»» ele_reactive	[string]	true	none		none
»»»»»» pow_active	[integer]	true	none		none
»»»»»» pow_apparent	[integer]	true	none		none
»»»»»» pow_reactive	[integer]	true	none		none
»»»»»» power_factor	[integer]	true	none		none
»»»» box_name	string	false	none		none
»»»» bus_name	string	false	none		none
»»»» datetime	string	false	none		none
»»»» dev_ip	string	false	none		none
»»»» env_item_list	object	false	none		none
»»»»» tem_max	[integer]	true	none		none
»»»»» tem_min	[integer]	true	none		none

名称	类型	必选	约束	中文名	说明
»»»»» tem_status	[integer]	true	none		none
»»»»» tem_value	[integer]	true	none		none
»»»» status	integer	false	none		none
»»»» sys_time	string	false	none		none
» msg	string	true	none		none

数据模型

box

```
{
  "addr": 0,
  "bar_id": 0,
  "box_data": {
    "box_cfg": {
      "alarm_count": 0,
      "baud_rate": 0,
      "beep": 0,
      "box_type": 0,
      "box_version": "string",
      "breaker_status": [
        0
      ],
      "iof": 0,
      "item_type": 0,
      "loop_num": 0,
      "work_mode": 0
    },
    "box_total_data": {
      "ele_active": 0,
      "ele_apparent": "string",
      "ele_reactive": "string",
      "pow_active": 0,
      "pow_apparent": 0,
      "pow_reactive": 0,
      "power_factor": 0
    },
    "line_item_list": {
      "cur_thd": [
        0
      ],
      "cur_value": [
        0
      ],
```

```json
          "ele_active": [
            0
          ],
          "ele_reactive": [
            "string"
          ],
          "load_rate": [
            0
          ],
          "pow_active": [
            0
          ],
          "pow_apparent": [
            0
          ],
          "pow_reactive": [
            0
          ],
          "power_factor": [
            0
          ],
          "vol_value": [
            0
          ]
        },
        "loop_item_list": {
          "cur_max": [
            0
          ],
          "cur_min": [
            0
          ],
          "cur_status": [
            0
          ],
          "cur_value": [
            0
          ],
          "ele_active": [
            0
          ],
          "ele_reactive": [
            "string"
          ],
          "pow_apparent": [
            0
          ],
          "pow_max": [
            0
          ],
          "pow_min": [
            0
          ],
          "pow_reactive": [
            0
```

```
          ],
          "pow_status": [
            0
          ],
          "pow_value": [
            0
          ],
          "power_factor": [
            0
          ],
          "vol_max": [
            0
          ],
          "vol_min": [
            0
          ],
          "vol_status": [
            0
          ],
          "vol_value": [
            0
          ]
        },
        "outlet_item_list": {
          "ele_active": [
            0
          ],
          "ele_apparent": [
            "string"
          ],
          "ele_reactive": [
            "string"
          ],
          "pow_active": [
            0
          ],
          "pow_apparent": [
            0
          ],
          "pow_reactive": [
            0
          ],
          "power_factor": [
            0
          ]
        }
      },
      "box_name": "string",
      "bus_name": "string",
      "datetime": "string",
      "dev_ip": "string",
      "env_item_list": {
        "tem_max": [
          0
        ],
```

```
    "tem_min": [
      0
    ],
    "tem_status": [
      0
    ],
    "tem_value": [
      0
    ]
  },
  "status": 0,
  "sys_time": "string"
}
```

属性

名称	类型	必选	约束	中文名	说明
addr	integer	false	none		none
bar_id	integer	false	none		none
box_data	object	false	none	插接箱数据	none
» box_cfg	object	true	none		none
»» alarm_count	integer	true	none		none
»» baud_rate	integer	true	none		none
»» beep	integer	true	none		none
»» box_type	integer	true	none		none
»» box_version	string	true	none		none
»» breaker_status	[integer]	true	none		none
»» iof	integer	true	none		none
»» item_type	integer	true	none		none
»» loop_num	integer	true	none		none
»» work_mode	integer	true	none		none
» box_total_data	object	true	none		none
»» ele_active	number	true	none		none
»» ele_apparent	string	true	none		none
»» ele_reactive	string	true	none		none
»» pow_active	integer	true	none		none
»» pow_apparent	integer	true	none		none

名称	类型	必选	约束	中文名	说明
»» pow_reactive	integer	true	none		none
»» power_factor	integer	true	none		none
» line_item_list	object	true	none		none
»» cur_thd	[integer]	true	none		none
»» cur_value	[integer]	true	none		none
»» ele_active	[number]	true	none		none
»» ele_reactive	[string]	true	none		none
»» load_rate	[integer]	true	none		none
»» pow_active	[integer]	true	none		none
»» pow_apparent	[integer]	true	none		none
»» pow_reactive	[integer]	true	none		none
»» power_factor	[integer]	true	none		none
»» vol_value	[number]	true	none		none
» loop_item_list	object	true	none		none
»» cur_max	[integer]	true	none		none
»» cur_min	[integer]	true	none		none
»» cur_status	[integer]	true	none		none
»» cur_value	[integer]	true	none		none
»» ele_active	[number]	true	none		none
»» ele_reactive	[string]	true	none		none
»» pow_apparent	[integer]	true	none		none
»» pow_max	[number]	true	none		none
»» pow_min	[integer]	true	none		none
»» pow_reactive	[integer]	true	none		none
»» pow_status	[integer]	true	none		none
»» pow_value	[integer]	true	none		none
»» power_factor	[integer]	true	none		none
»» vol_max	[integer]	true	none		none
»» vol_min	[integer]	true	none		none

名称	类型	必选	约束	中文名	说明
»» vol_status	[integer]	true	none		none
»» vol_value	[number]	true	none		none
» outlet_item_list	object	true	none		none
»» ele_active	[number]	true	none		none
»» ele_apparent	[string]	true	none		none
»» ele_reactive	[string]	true	none		none
»» pow_active	[integer]	true	none		none
»» pow_apparent	[integer]	true	none		none
»» pow_reactive	[integer]	true	none		none
»» power_factor	[integer]	true	none		none
box_name	string	false	none		none
bus_name	string	false	none		none
datetime	string	false	none		none
dev_ip	string	false	none		none
env_item_list	object	false	none		none
» tem_max	[integer]	true	none		none
» tem_min	[integer]	true	none		none
» tem_status	[integer]	true	none		none
» tem_value	[integer]	true	none		none
status	integer	false	none		none
sys_time	string	false	none		none

bus

```json
{
  "addr": 0,
  "bar_id": 0,
  "box_name": "string",
  "bus_data": {
    "bus_cfg": {
      "ac_dc": 0,
      "alarm_count": 0,
```

```
      "baud_rate": 0,
      "beep": 0,
      "box_num": 0,
      "breaker_status": 0,
      "bus_version": "string",
      "cur_specs": 0,
      "iof": 0,
      "isd": 0,
      "item_type": 0,
      "lsp_status": 0,
      "shunt_trip": 0,
      "work_mode": 0
    },
    "bus_total_data": {
      "cur_residual_alarm": 0,
      "cur_residual_status": 0,
      "cur_residual_value": 0,
      "cur_unbalance": 0,
      "cur_zero_alarm": 0,
      "cur_zero_status": 0,
      "cur_zero_value": 0,
      "ele_active": 0,
      "ele_apparent": "string",
      "ele_reactive": "string",
      "hz_max": 0,
      "hz_min": 0,
      "hz_status": 0,
      "hz_value": 0,
      "pow_apparent": 0,
      "pow_max": 0,
      "pow_min": 0,
      "pow_reactive": 0,
      "pow_status": 0,
      "pow_value": 0,
      "power_factor": 0,
      "vol_unbalance": 0
    },
    "line_item_list": {
      "cur_max": [
        0
      ],
      "cur_min": [
        0
      ],
      "cur_status": [
        0
      ],
      "cur_thd": [
        0
      ],
      "cur_value": [
        0
      ],
      "ele_active": [
        0
```

```
    ],
    "ele_reactive": [
      "string"
    ],
    "load_rate": [
      0
    ],
    "pow_apparent": [
      0
    ],
    "pow_max": [
      0
    ],
    "pow_min": [
      0
    ],
    "pow_reactive": [
      0
    ],
    "pow_status": [
      0
    ],
    "pow_value": [
      0
    ],
    "power_factor": [
      0
    ],
    "vol_line_max": [
      0
    ],
    "vol_line_min": [
      0
    ],
    "vol_line_status": [
      0
    ],
    "vol_line_value": [
      0
    ],
    "vol_max": [
      0
    ],
    "vol_min": [
      0
    ],
    "vol_status": [
      0
    ],
    "vol_thd": [
      0
    ],
    "vol_value": [
      0
    ]
```

```
      }
    },
    "bus_name": "string",
    "datetime": "string",
    "dev_alarm": "string",
    "dev_ip": "string",
    "env_item_list": {
      "tem_max": [
        0
      ],
      "tem_min": [
        0
      ],
      "tem_status": [
        0
      ],
      "tem_value": [
        0
      ]
    },
    "status": 0,
    "sys_time": "string"
}
```

始端箱数据

属性

名称	类型	必选	约束	中文名	说明
addr	integer	true	none		none
bar_id	integer	true	none	母线id	none
box_name	string	true	none	插接箱名称	none
bus_data	object	true	none	母线数据	none
» bus_cfg	object	true	none		none
»» ac_dc	integer	true	none		none
»» alarm_count	integer	true	none		none
»» baud_rate	integer	true	none		none
»» beep	integer	true	none		none
»» box_num	integer	true	none		none
»» breaker_status	integer	true	none		none
»» bus_version	string	true	none		none
»» cur_specs	integer	true	none		none

名称	类型	必选	约束	中文名	说明
»» iof	integer	true	none		none
»» isd	integer	true	none		none
»» item_type	integer	true	none		none
»» lsp_status	integer	true	none		none
»» shunt_trip	integer	true	none		none
»» work_mode	integer	true	none		none
» bus_total_data	object	true	none	总数据	none
»» cur_residual_alarm	integer	true	none		none
»» cur_residual_status	integer	true	none		none
»» cur_residual_value	integer	true	none	剩余电流	none
»» cur_unbalance	integer	true	none	电流三相不平衡	none
»» cur_zero_alarm	integer	true	none		none
»» cur_zero_status	integer	true	none		none
»» cur_zero_value	integer	true	none	零线电流	none
»» ele_active	number	true	none	电能	none
»» ele_apparent	string	true	none	视在电能	none
»» ele_reactive	string	true	none	无功电能	none
»» hz_max	integer	true	none		none
»» hz_min	integer	true	none		none
»» hz_status	integer	true	none		none
»» hz_value	number	true	none		none
»» pow_apparent	integer	true	none	视在功率	none
»» pow_max	integer	true	none		none
»» pow_min	integer	true	none		none
»» pow_reactive	integer	true	none	总无功功率	none
»» pow_status	integer	true	none		none
»» pow_value	integer	true	none	总有功功率	none
»» power_factor	integer	true	none	功率因素	none
»» vol_unbalance	integer	true	none	电压三相不平衡	none

名称	类型	必选	约束	中文名	说明
» line_item_list	object	true	none		none
»» cur_max	[integer]	true	none		none
»» cur_min	[integer]	true	none		none
»» cur_status	[integer]	true	none		none
»» cur_thd	[integer]	true	none	电流谐波含量	none
»» cur_value	[integer]	true	none	电流	none
»» ele_active	[number]	true	none		none
»» ele_reactive	[string]	true	none		none
»» load_rate	[integer]	true	none		none
»» pow_apparent	[integer]	true	none	视在功率	none
»» pow_max	[integer]	true	none		none
»» pow_min	[integer]	true	none		none
»» pow_reactive	[integer]	true	none	无功功率值	none
»» pow_status	[integer]	true	none		none
»» pow_value	[integer]	true	none	有功功率	none
»» power_factor	[integer]	true	none	功率因素	none
»» vol_line_max	[integer]	true	none		none
»» vol_line_min	[integer]	true	none		none
»» vol_line_status	[integer]	true	none		none
»» vol_line_value	[number]	true	none	线电压	none
»» vol_max	[integer]	true	none		none
»» vol_min	[integer]	true	none		none
»» vol_status	[integer]	true	none		none
»» vol_thd	[integer]	true	none	电压谐波含量	none
»» vol_value	[number]	true	none	电压	none
bus_name	string	true	none	始端箱名称	none
datetime	string	true	none	时间	none
dev_alarm	string	true	none	设备告警	none
dev_ip	string	true	none	ip	none

名称	类型	必选	约束	中文名	说明
env_item_list	object	true	none	环境数据	none
» tem_max	[integer]	true	none		none
» tem_min	[integer]	true	none		none
» tem_status	[integer]	true	none		none
» tem_value	[integer]	true	none		none
status	integer	true	none	状态	none
sys_time	string	true	none	系统时间	none

名称	类型	必选	约束	中文名	说明
env_item_list	object	true	none	环境数据	
» tem_max	[integer]	true	none		
» tem_min	[integer]	true	none		