流量矩阵

http://10.211.55.16:10086/traffic

一共100*99个数据，0-1代表从节点0到节点1的流量，1-0代表从节点1到节点0的流量

```
{
  "0-1": 4.01790123305261,
  "0-10": 12.3848790880258,
  "0-11": 10.284531327000323,
  "0-12": 8.283771427570866,
  "0-13": 1.6172025750955799,
  "0-14": 1.2604775640255914,
  "0-15": 3.501344856238538,
  "0-16": 13.34255570521417,
  "0-17": 6.00176353512988,
  "0-18": 3.5727809813083553,
  "0-19": 10.965820873818664,
  "0-2": 9.881752033753836,
  "0-20": 10.345451828922595,
  "0-21": 2.22337594403313,
  "0-22": 6.292307388766502,
  "0-23": 11.335191709150763,
  "0-24": 1.020848384090884,
  "0-25": 2.182486473973364,
  "0-26": 1.3348573836364566,
  "0-27": 2.408519130383132,
  "0-28": 14.646013138896182,
```

```
    "0-29": 9.323935935458913,
    "0-3": 4.491929528396643,
    "0-30": 13.034983960039037
  }
```

链路时延

---

http://10.211.55.16:10086/telemetry/delay

一共283条数据，283条边，链路往返时延，0-1表示从节点0到节点1的往返时延，注意：没有1-0，也就是没有节点1到节点0的往返时延数据

```
{
  "0-1": 16.19881358356168,
  "0-11": 3.715851117995077,
  "0-12": 1.551250190836314,
  "0-5": 13.976151757300645,
  "0-7": 5.744602026695231,
  "0-78": 18.75910358710108,
  "0-8": 1.9619579260055864,
  "1-2": 0.3293079416150385,
  "1-3": 4.503456560558096,
  "1-34": 19.493682217672564,
  "1-4": 2.0295325675213007,
  "10-11": 1.9951769713253786,
  "10-38": 0.8105933745717308,
  "11-60": 0.3415758373540436,
  "12-13": 10.423342703601485,
  "12-14": 10.645661395328553,
```

```
    "12-16": 9.768746238485067,
    "12-17": 17.654867751557218,
    "12-18": 12.24578770440846,
    "12-20": 15.974320383781674,
    "12-22": 0.4489580354919323,
    "12-24": 17.143608740032267,
    "12-26": 19.968909847340186,
    "12-28": 15.731225299568079,
    "12-30": 6.421739870063401
}
```

链路丢包率

http://10.211.55.16:10086/telemetry/loss

一共283条数据，283条边，链路往返时延，0-1表示从节点0到节点1的这条链路的丢包率，注意：没有1-0

```
{
    "0-1": 0.7098889012962789,
    "0-11": 0.2762109542096339,
    "0-12": 0.1844227840001794,
    "0-5": 0.7511021398539389,
    "0-7": 0.25631479003395186,
    "0-78": 0.5703503602837264,
    "0-8": 0.8593177403242449,
    "1-2": 0.05172655579759405,
    "1-3": 0.7903692821115044,
    "1-34": 0.8110591384229637,
    "1-4": 0.9236958633129536,
```

```
    "10-11": 0.9317253467533371,
    "10-38": 0.7073641614669047,
    "11-60": 0.18758749657270107,
    "12-13": 0.9179874393539297,
    "12-14": 0.012500583626263743,
    "12-16": 0.33178177592201563,
    "12-17": 0.7953033024359909,
    "12-18": 0.299205376413947,
    "12-20": 0.3442880244331371,
    "12-22": 0.9178856779524163,
    "12-24": 0.141863375839947,
    "12-26": 0.7376686709196297
}
```

最大链路利用率

http://10.211.55.16:10086/maxrate

```
{
    "res": 0.925
}
```

所有链路速率

一共566个数据，0-1代表从节点0流向节点1的速率，单位是 Mbit/s, 1-0代表从节点1流向节点0的速率,这两个数据是不一样的

```json
{
  "0-1": 6.603790057228427,
  "0-11": 17.145212730259846,
  "0-12": 74.47352401553978,
  "0-5": 10.575817266232212,
  "0-7": 78.51548424411945,
  "0-78": 53.277666748064824,
  "0-8": 43.01978945325591,
  "1-0": 57.074898833742104,
  "1-2": 30.949663361555245,
  "1-3": 75.97735906809436,
  "1-34": 87.28172044020806,
  "1-4": 50.59338712726154,
  "10-11": 78.81270175861536,
  "10-38": 34.92311848258432,
  "10-4": 44.37193910783769,
  "10-5": 77.38806733600076,
  "10-9": 92.95411806721586,
  "11-0": 69.37903163033617,
  "11-10": 80.61454837244865,
  "11-60": 49.29321481228654,
```

```
"11-7": 72.07188043318826,
"11-8": 58.00594492491834
}
```