

核心网新增全局吞吐量指标上报，网管增加指标监控页面显示

2025-07-18 13:38 - 钱 伯宁

状态:	进行中	开始日期:	2025-07-18
优先级:	普通	计划完成日期:	
指派给:	马 党旗	% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
描述			
UllnBytes uint32 `json:"ullnBytes,omitempty"` //上行入口流量，byte UlnOutBytes uint32 `json:"ulOutBytes,omitempty"` //上行出口流量，byte UllnPackets uint32 `json:"ullnPackets,omitempty"` //上行入口包数，个 UlnOutPackets uint32 `json:"ulOutPackets,omitempty"` //上行出口包数，个 DllnBytes uint32 `json:"dllnBytes,omitempty"` //下行入口流量，byte DlnOutBytes uint32 `json:"dlOutBytes,omitempty"` //下行出口流量，byte DllnPackets uint32 `json:"dllnPackets,omitempty"` //下行入口包数，个 DlnOutPackets uint32 `json:"dlOutPackets,omitempty"` //下行出口包数，个			

历史记录

#1 - 2025-07-18 13:39 - 钱 伯宁

- 状态从 新建 变更为 进行中

已完成接口设计，待编码联调

#2 - 2025-07-23 11:35 - 钱 伯宁

- 指派给从 钱 伯宁 变更为 马 党旗

修改流量统计配置开关接口：
<edit-config><target><running/></target><operation>update</operation><tputcfg
xmlns="http://www.yunzhiruantong.com/yzrt/yzmm/tputcfg">{"type":"","extension":"","value":{"gnbip":{"192.168.68.50":false},"smRef":{"imsi-001010000000011-imsi":false}}}</tputcfg></edit-config>
获取流量统计开关接口：
请求：<get-config><target><running/></target><operation>query</operation><tputcfg
xmlns="http://www.yunzhiruantong.com/yzrt/yzmm/tputcfg">{"type":"","extension":"","value":""}</tputcfg></get-config>
应答：
<data>{"result":"success","data":{"gnbip":{"192.168.68.50":true},"smRef":{"imsi-001010000000011-internet":true,"imsi-001010000000012-imsi":true,"imsi-001010000000012-internet":true}}},"code":0}</data>
核心网吞吐量指标上报接口：
基站吞吐量统计上报：
redis channel：core-gnbTput
内容：{"ip":"192.168.62.15","version":0,"body":{"gnbip":{"192.168.68.50"},"ulInBytes":3868,"ulOutBytes":3336,"ulInPackets":19,"ulOutPackets":19,"dllnBytes":479985,"dlOutBytes":486705,"dllnPackets":420,"dlOutPackets":420}}"
全站吞吐量统计：
redis channel: core-allTput
内容：{"ip":"192.168.62.15","version":0,"body":{"timeStamp":1753153479,"ulInBytes":7997,"ulOutBytes":6821,"ulInPackets":42,"ulOutPackets":42,"dllnBytes":854387,"dlOutBytes":866147,"dllnPackets":735,"dlOutPackets":735}}"
终端吞吐量统计：
redis channel: core-pduTput
内容：{"ip":"192.168.62.15","version":0,"body":{"ueIp":"60.60.0.1","smRef":{"imsi-001010000000001-internet"},"ulBytes":0,"ulPackets":0,"dlBytes":0,"dlPackets":0}}"
结构：
type AllTputInfo2Redis struct {
Ip string `json:"ip"`
Ver uint8 `json:"version"`
Data AllTputInfoPub `json:"body"`
}
type AllTputInfoPub struct {
TimeStamp uint64 `json:"timeStamp"` //时间戳(单位:s)
UllnBytes uint32 `json:"ullnBytes"` //上行入口流量，byte
UlnOutBytes uint32 `json:"ulOutBytes"` //上行出口流量，byte
UllnPackets uint32 `json:"ullnPackets"` //上行入口包数，个
UlnOutPackets uint32 `json:"ulOutPackets"` //上行出口包数，个
DllnBytes uint32 `json:"dllnBytes"` //下行入口流量，byte

```

DlOutBytes uint32 `json:"dlOutBytes"` //下行出口流量，byte
DlInPackets uint32 `json:"dlInPackets"` //下行入口包数，个
DlOutPackets uint32 `json:"dlOutPackets"` //下行出口包数，个
}

```

```

type GnbTputInfo2Redis struct {
    Ip string `json:"ip"`
    Ver uint8 `json:"version"`
    Data []GnbTputInfoPub `json:"body"`
}

type GnbTputInfoPub struct {
    GnbIp string `json:"gnbIp"` //基站ip
    UlInBytes uint32 `json:"ulInBytes"` //上行入口流量，byte
    UlOutBytes uint32 `json:"ulOutBytes"` //上行出口流量，byte
    UlInPackets uint32 `json:"ulInPackets"` //上行入口包数，个
    UlOutPackets uint32 `json:"ulOutPackets"` //上行出口包数，个
    DlInBytes uint32 `json:"dlInBytes"` //下行入口流量，byte
    DlOutBytes uint32 `json:"dlOutBytes"` //下行出口流量，byte
    DlInPackets uint32 `json:"dlInPackets"` //下行入口包数，个
    DlOutPackets uint32 `json:"dlOutPackets"` //下行出口包数，个
}

type PduTputInfo2Redis struct {
    Ip string `json:"ip"`
    Ver uint8 `json:"version"`
    Data []PduTputInfoPub `json:"body"`
}

type PduTputInfoPub struct {
    Uelp string `json:"uelp"`
    SmRef string `json:"smRef"`
    UlBytes uint32 `json:"ulBytes"` //上行流量，byte
    UlPackets uint32 `json:"ulPackets"` //上行报数，个
    DlBytes uint32 `json:"dlBytes"` //下行流量，byte
    DlPackets uint32 `json:"dlPackets"` //下行包数，个
}

```