

# Suggestions for reducing NPB CPU utilization

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## Contact Information

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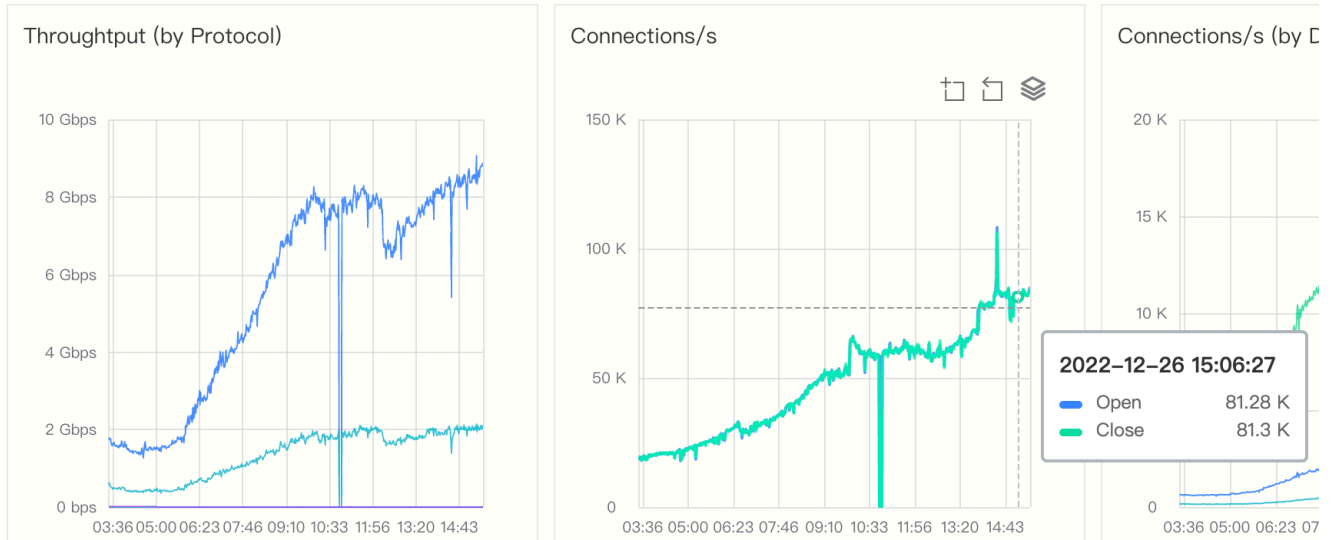
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## 1 Issue

We were getting reports of high CPU usage in NPBs of Bole-IGW, which exceed 85% and generate alarms in the Network Zodiac Dashboard.

## 2 Causes

According to our observation, the Bole-IGW's sessions establishment rate (~10,000 sessions per 1Gbps) is significantly higher than the average level (3000 new sessions per 1Gbps traffic), which brings more loads.



Furthermore, the performance diagnostic result shows that the redundant policy objects intensify the CPU shortage, i.e., the FQDN [twitter.com](http://twitter.com)<sup>1</sup> is configured repeatedly in 100 different objects.

<sup>1</sup> <http://twitter.com>

### **3 Workaround**

We recommend that the customer merge redundant FQDNs in policy objects. This may reduce CPU usage by about 10%.

## 4 Improvements

In release 23.01, we'll add the object analysis feature, which can report redundant Items.