MONTHLY REPORT #9

FEBRUARY 2023

NOTRUSTVERIFY.CH

Here is a summary of the work done by No Trust Verify since our last report

02 FEBRUARY

We have published an article on how to use bitcoin through the mixnet. This tutorial, offered as a proof of concept and intended for educational purposes only, shows how to use Bitcoin Core and the mixnet to connect to other nodes using the sock5 proxy connected to the Nym network, just as it would for Tor or i2p.

08 FEBRUARY

We have reactivated the No Trust Verify 3 mixnode.
Identity key:
ESPa5xnwZ7BebSX9SGmUbeYgNtkUeJo8PtbBx7JhzEHA
Explorer:
https://explorer.nymtech.net/networkcomponents/mixnode/774

13 FEBRUARY

Due to the current situation of global inflation and rising energy costs, our own operational costs (which are mainly related to the infrastructure hosting our mixnodes) have increased recently and in order to maintain the level of excellence demonstrated since the launch of NTV mixnodes, we have been forced to review our commission policy. Please note that the new operator commission applied to all NTV mixnodes has increased from 3% to 5%. We hope you understand this decision, which was not easy for us to make, and appreciate your confidence in our services.

23 FEBRUARY

No Trust Verify is also on nostr!

Find us via https://iris.to/notrustverify.ch or our public key :
npub1n8mkcvn56gaj9mk598nu3uyp3mqrwaztOrdxsmwddk3ghesfs46qpwc6ac

28 FEBRUARY

SURBs are on on pastenym.ch but what it means for the user ? It stands for Single-Use Reply Blocks and it's an essential part of the mixnet architecture.

SURBs are designed to enable true anonymous communication between the sender and the service provider, without any intermediaries being able to determine the source of the message.

For example, let's say you want to send a message on pastenym.ch. With SURBs, nobody can know where the message came from or which gateway was used to connect to the mixnet.

It's like sending a letter and instead of writing an address for the answer, you just write instructions on how to send back the answer. The different posts offices will know the path to reach the sender, but not the final destination.

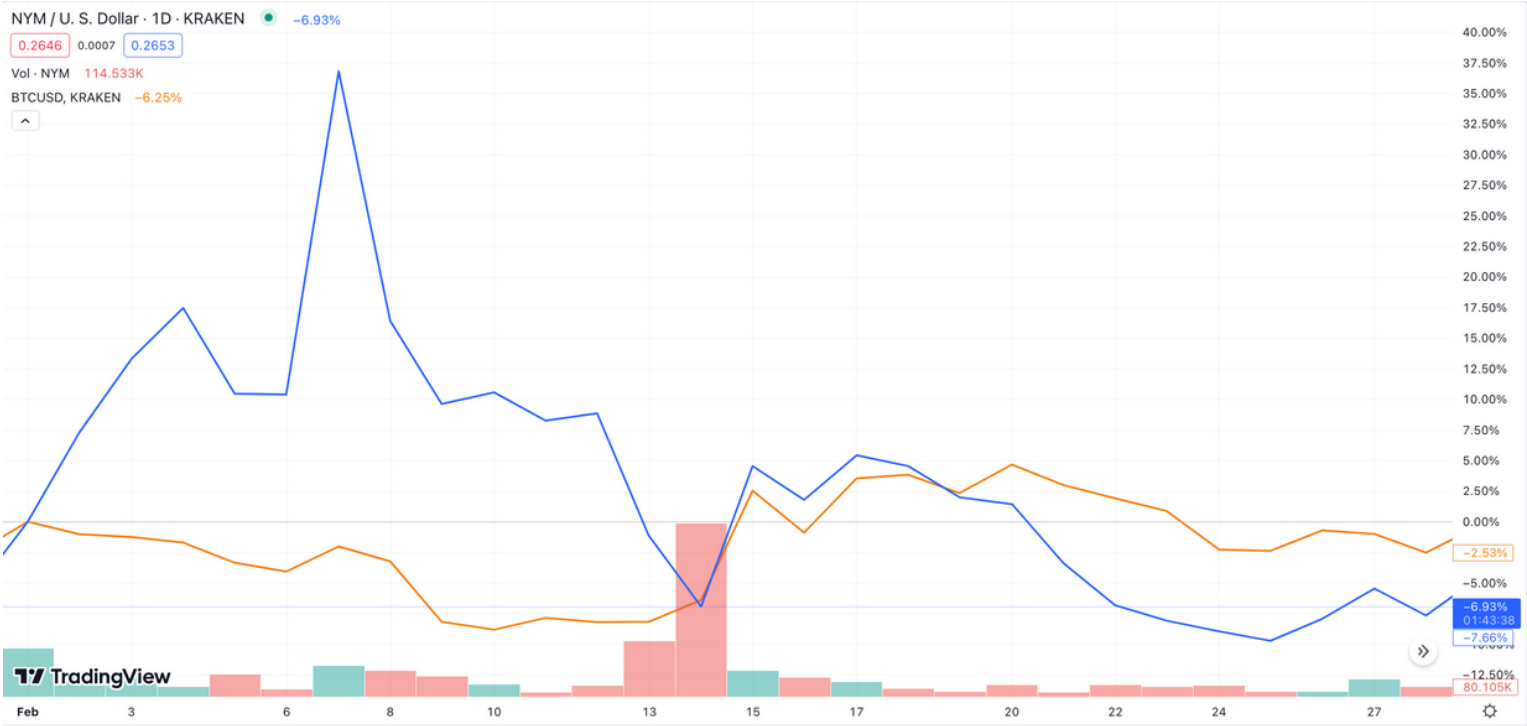
This ensures that your communication is truly anonymous, and your identity remains private. The Nym mixnet uses SURBs to provide this level of privacy and security for its users. However, one limitation of SURBs is that they only allow for a single anonymous reply. This means that if you need to have multiple replies for a single request, you may need to use a different solution.

To address this limitation, the Nym mixnet also implements multiSURBs, which allows for multiple anonymous replies without compromising the security of the network and user privacy. Overall, SURBs and multiSURBs are essential components of the Nym mixnet, enabling true anonymous communication and enhancing privacy and security for its users.

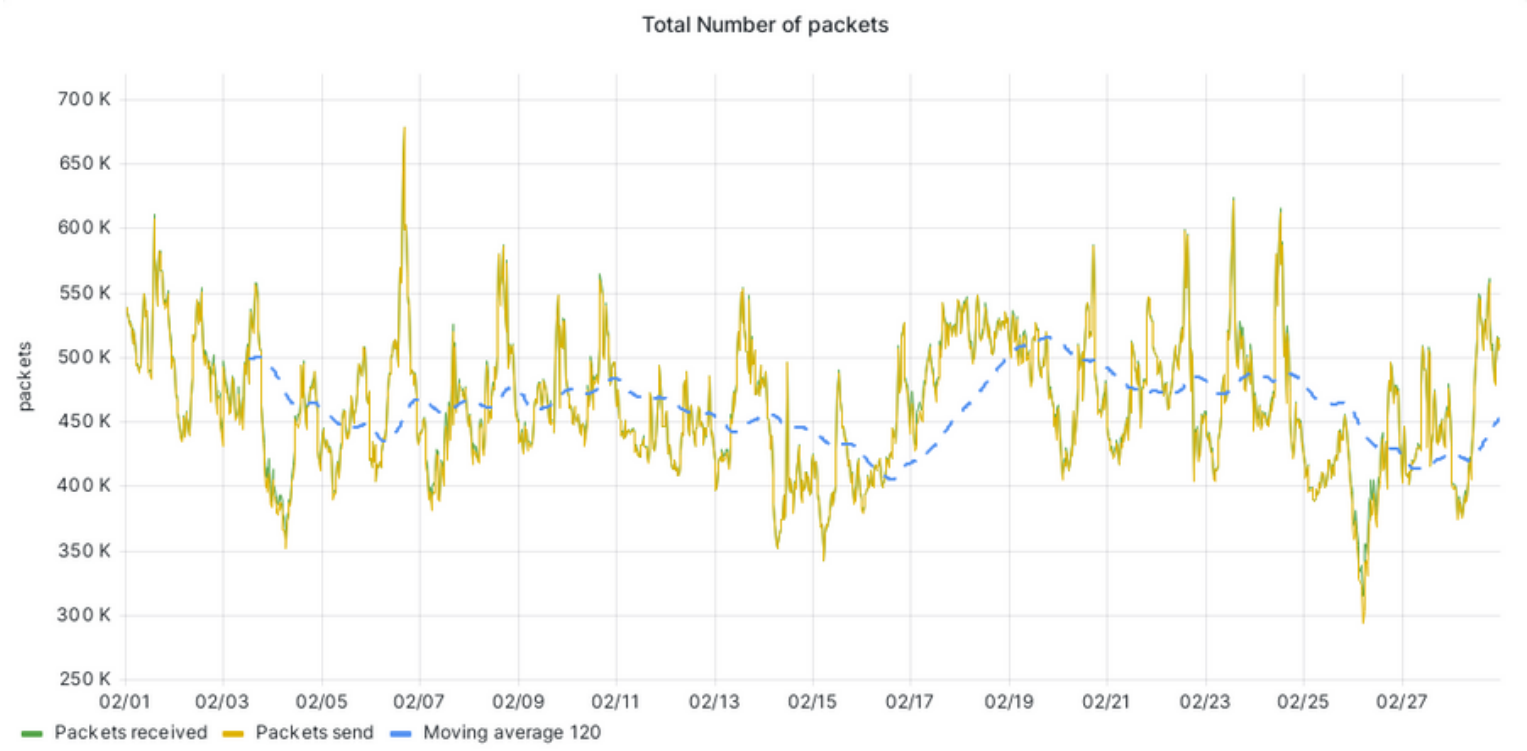
NYM METRICS

From now on, you will find in our monthly report some important metrics of the NYM network.

To begin with, here is an evolution of the price of $NYM with a comparison to BTC , over the month of February.

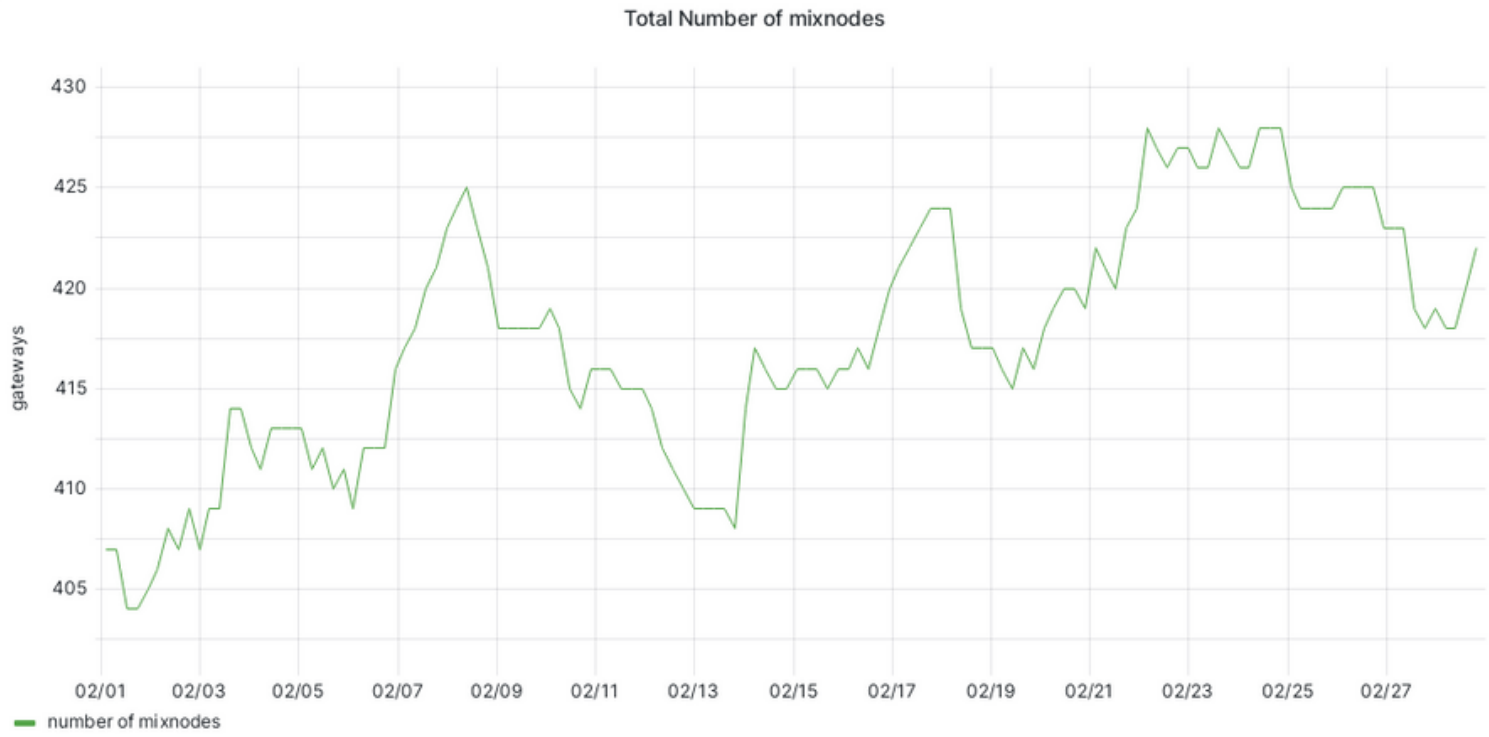


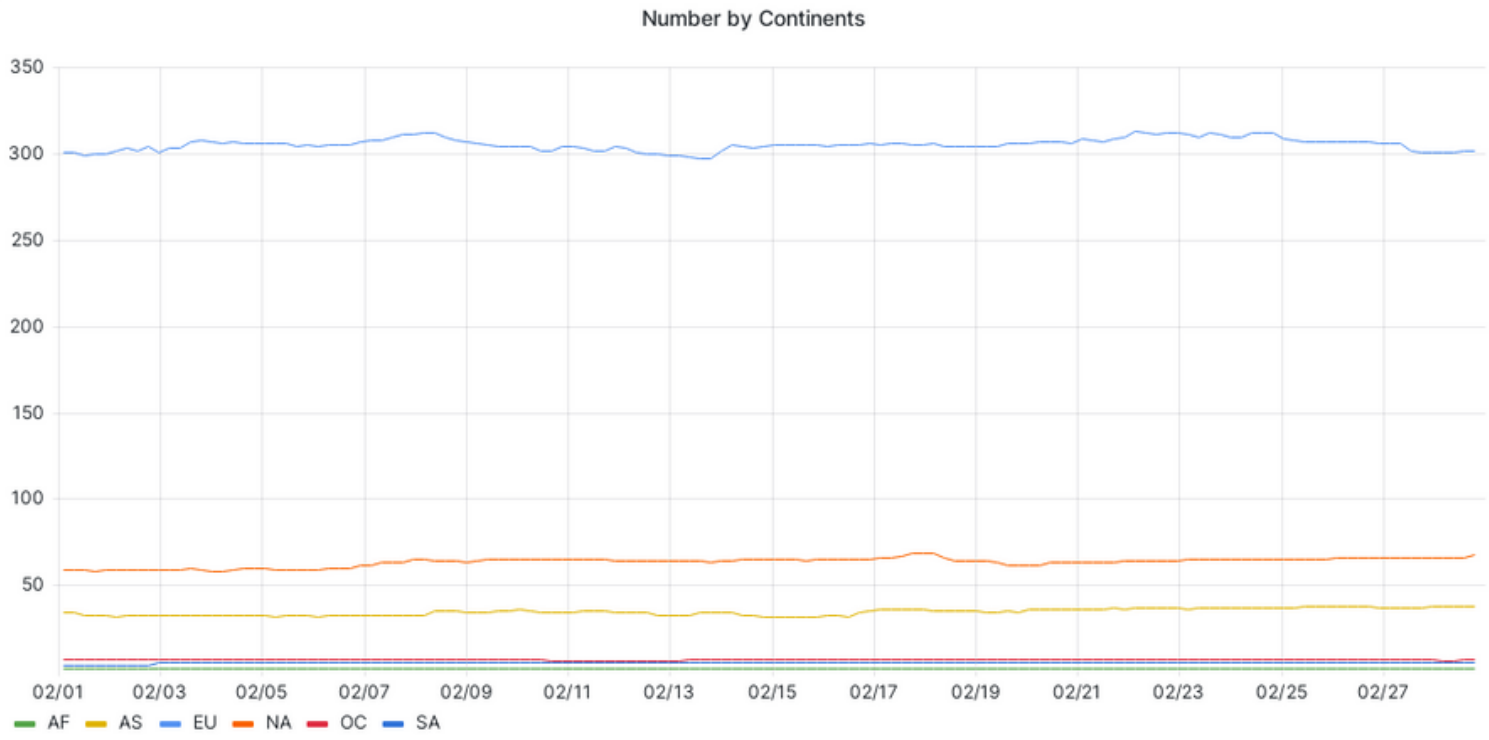
Evolution of packet processing for the entire mixnet.



NYM METRICS

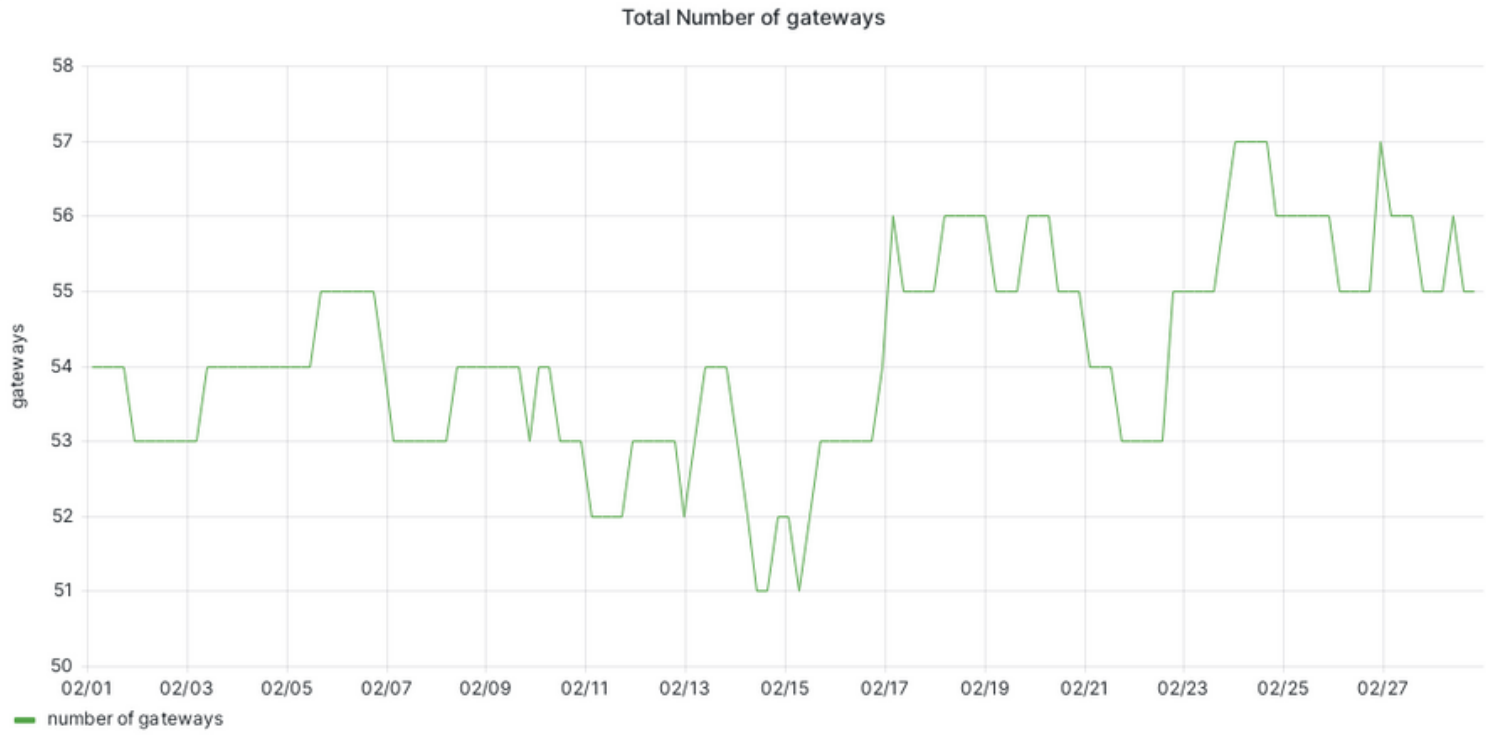
We will now look at the evolution of the **mixnodes** metrics in terms of their number and geographical distributions.

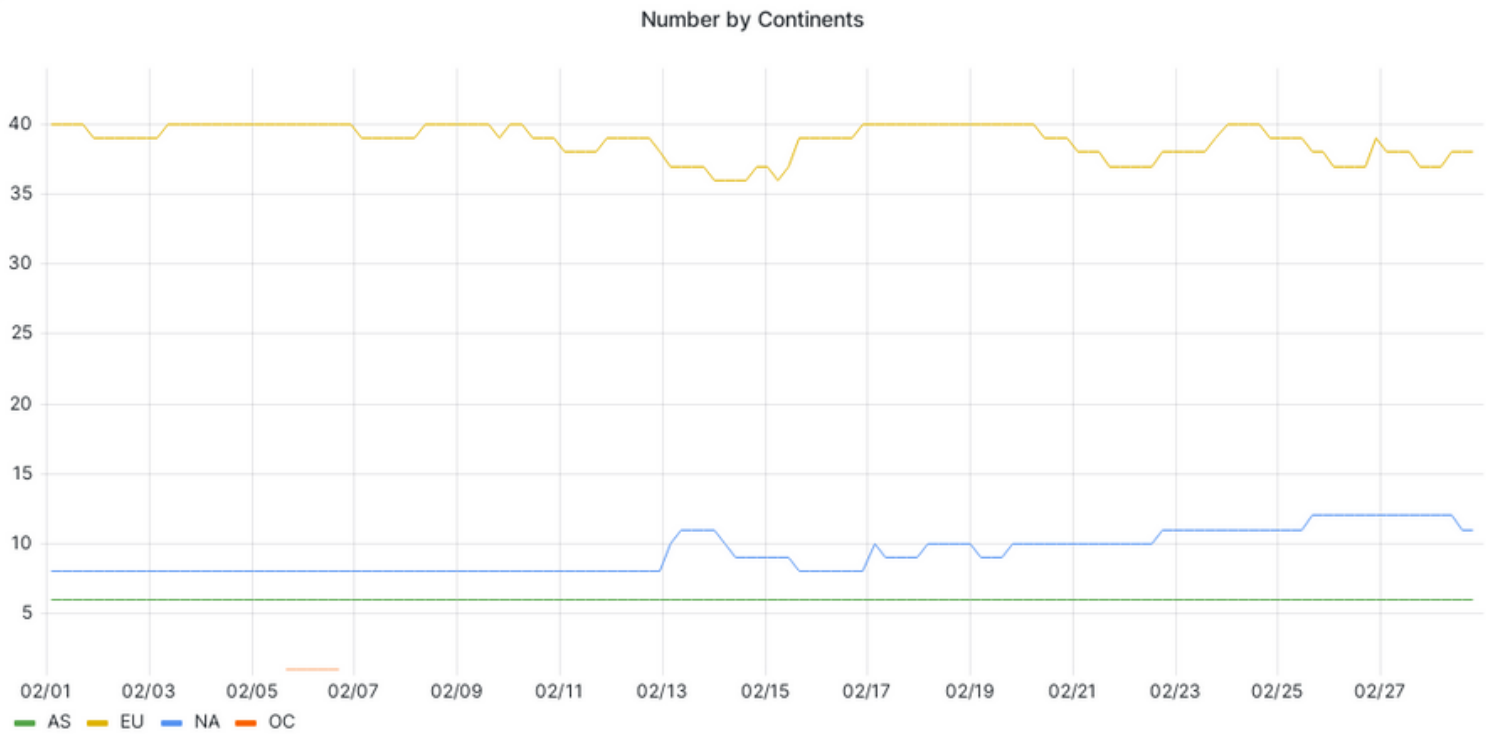




NYM METRICS

We will now look at the evolution of the **gateways** metrics in terms of their number and geographical distributions.





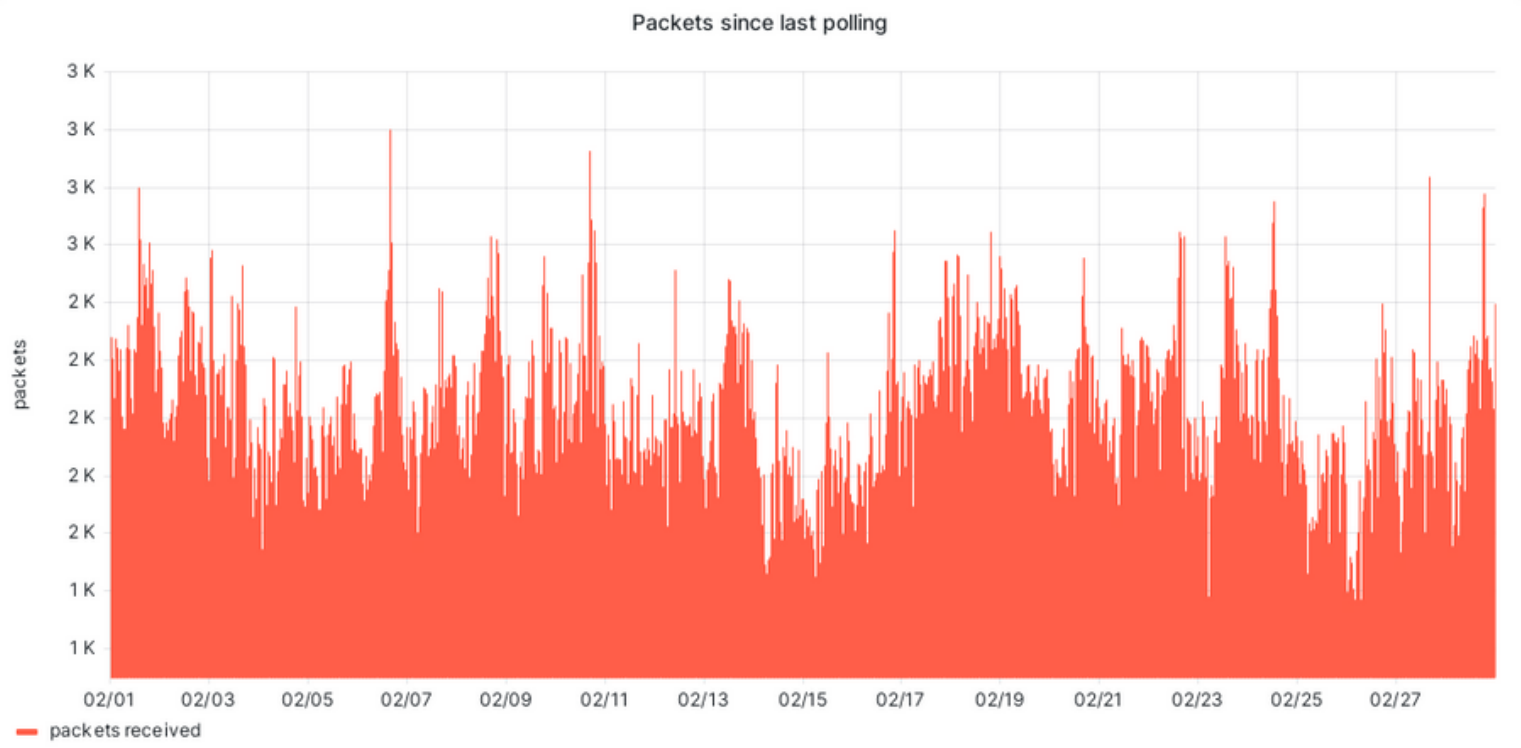
For more details about the metrics related to the Nym Mixnet, do not hesitate to consult our grafana:

https://status.notrustverify.ch/grafana/d/CW3L7dVVk/nym-mixnet?orgId=1

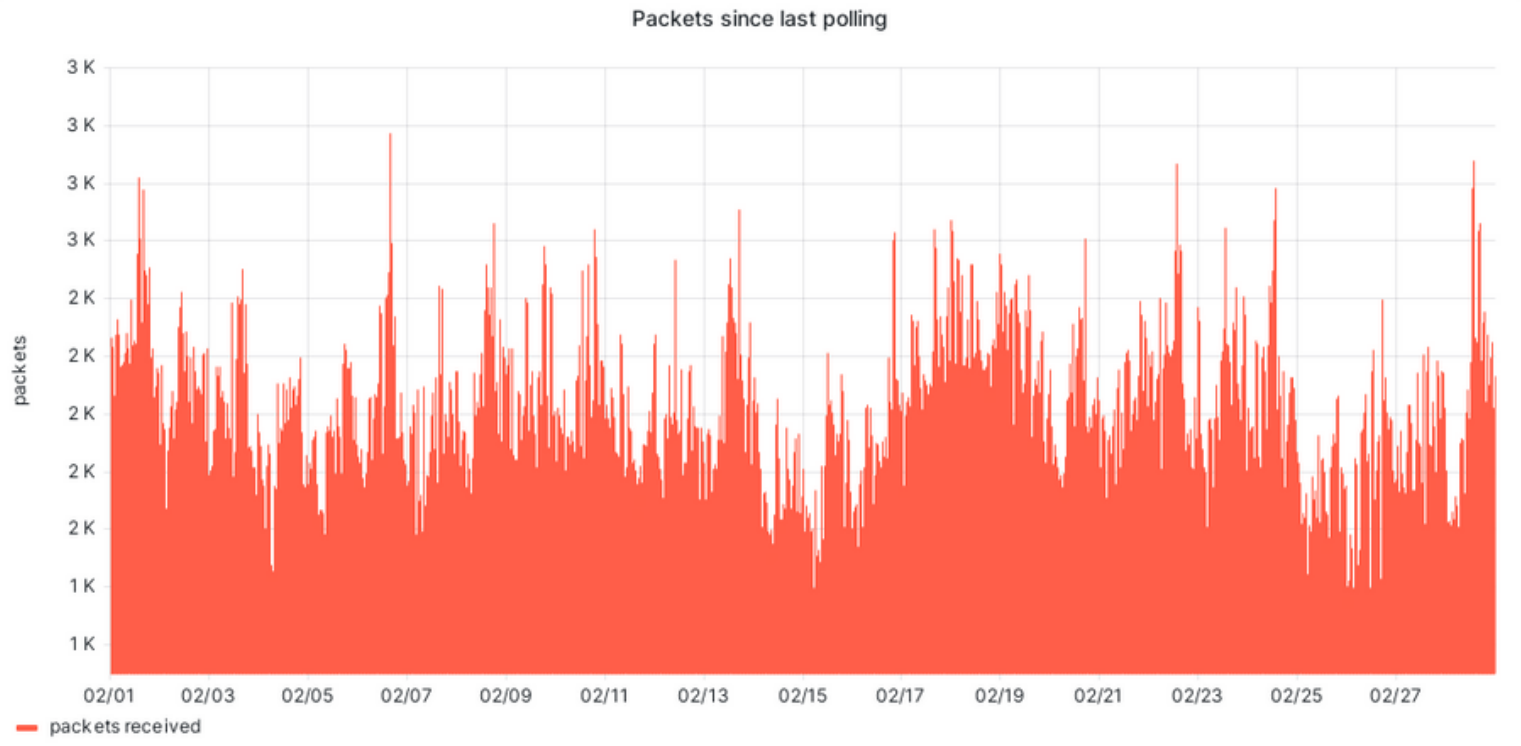
NTV METRICS

Let's go to the metrics related to No Trust Verify, you will find on this page the evolution of the packets processed by our mixnodes during the month of February.

NTV1 mixnode

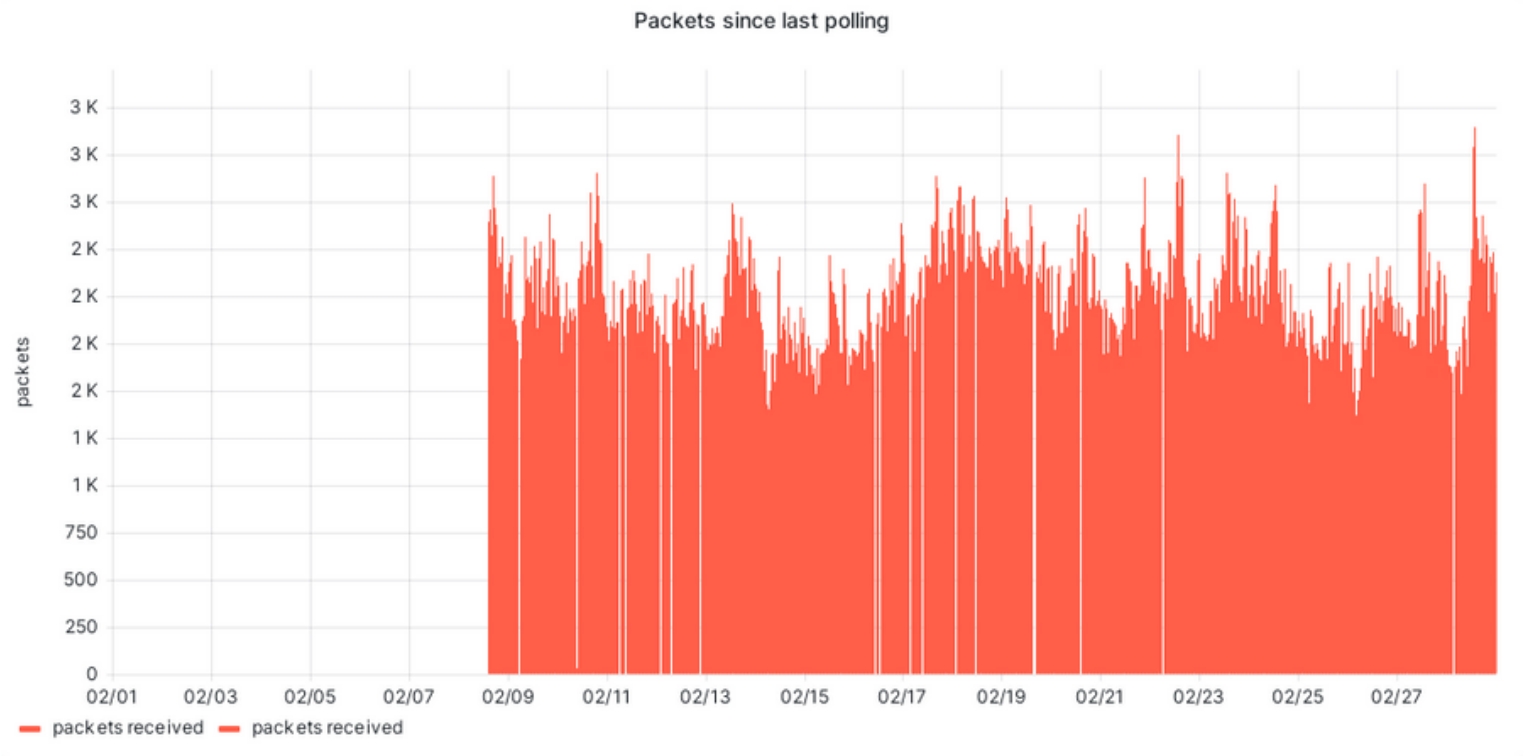


NTV2 mixnode



NTV METRICS

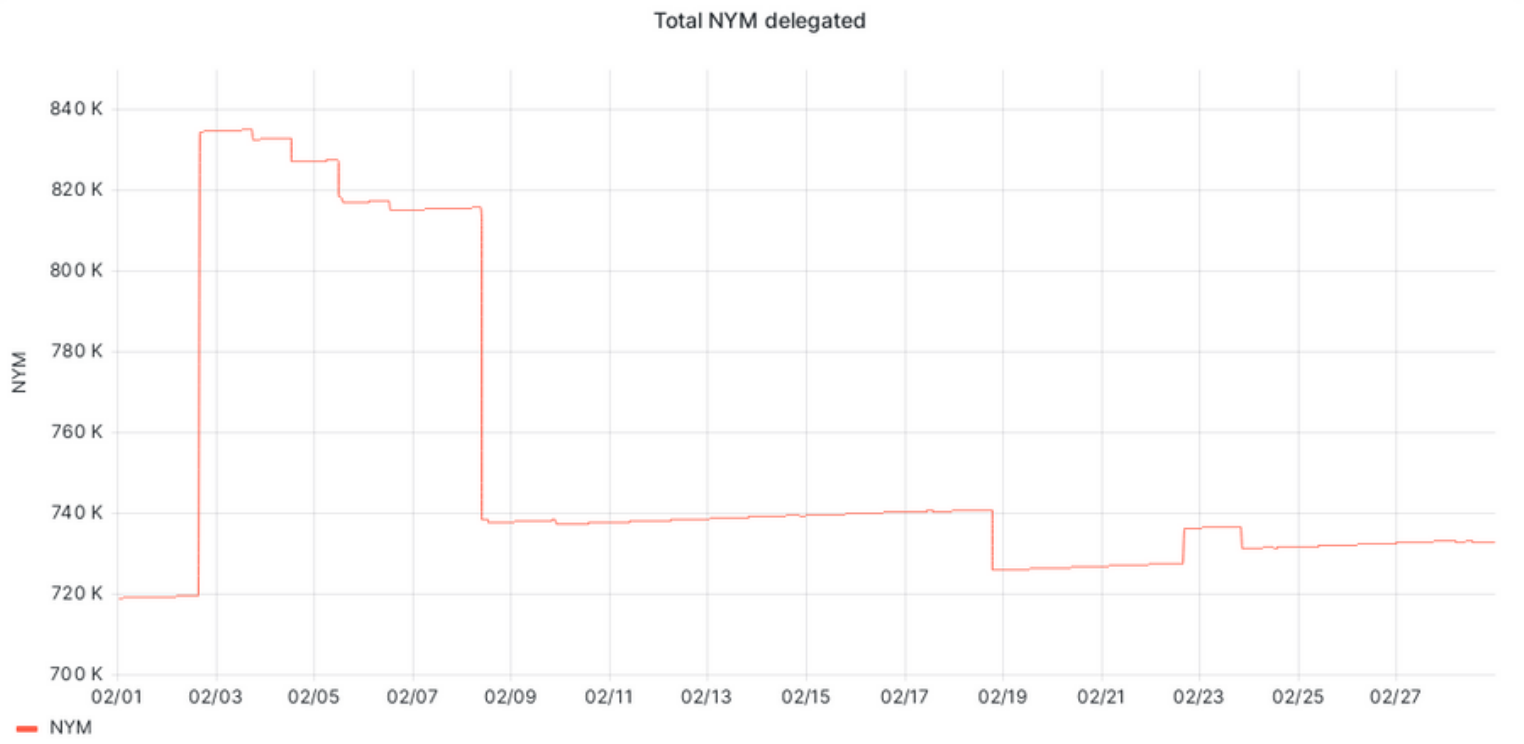
NTV3 mixnode



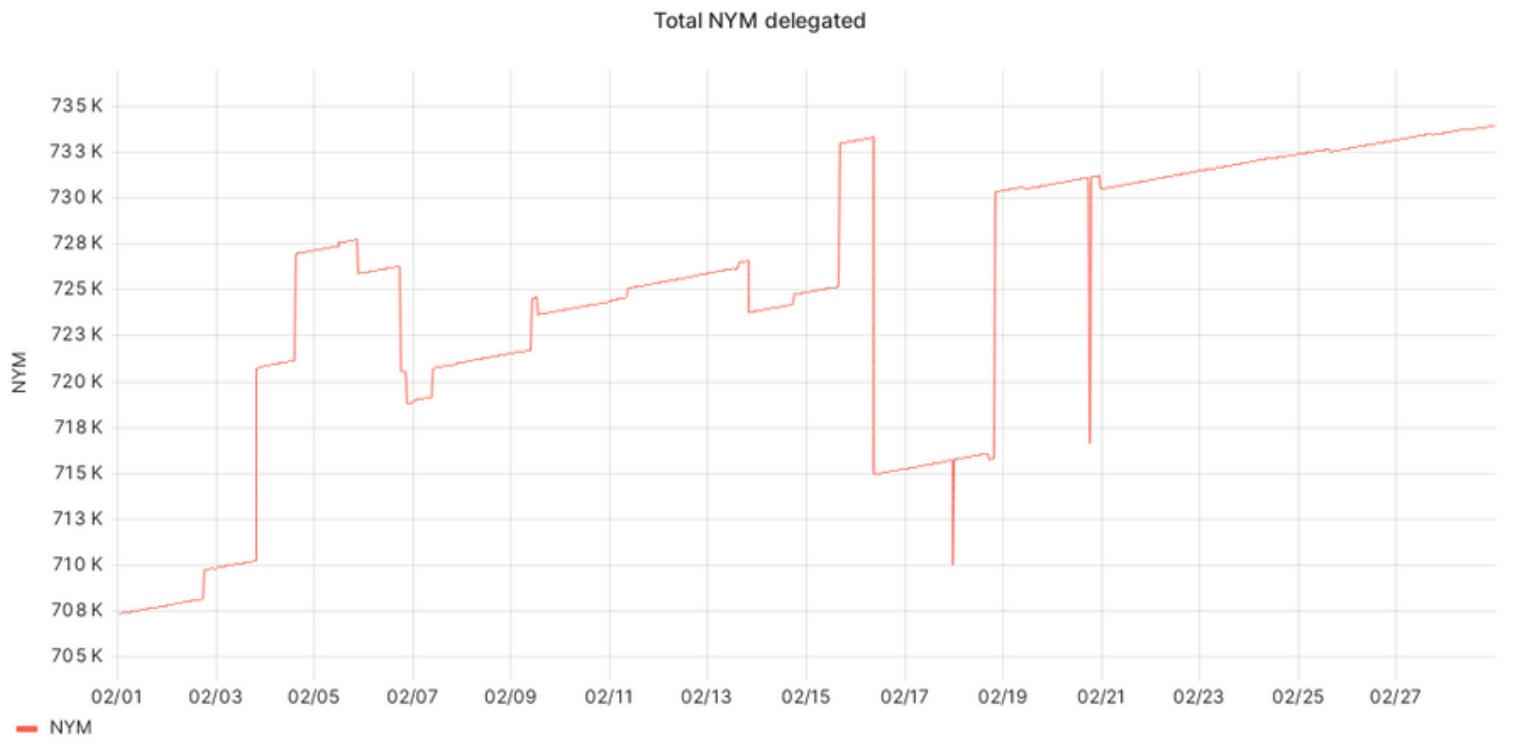
NTV METRICS

We then find, for the same period, the evolution of delegations made on our mixnodes.

NTV1 mixnode

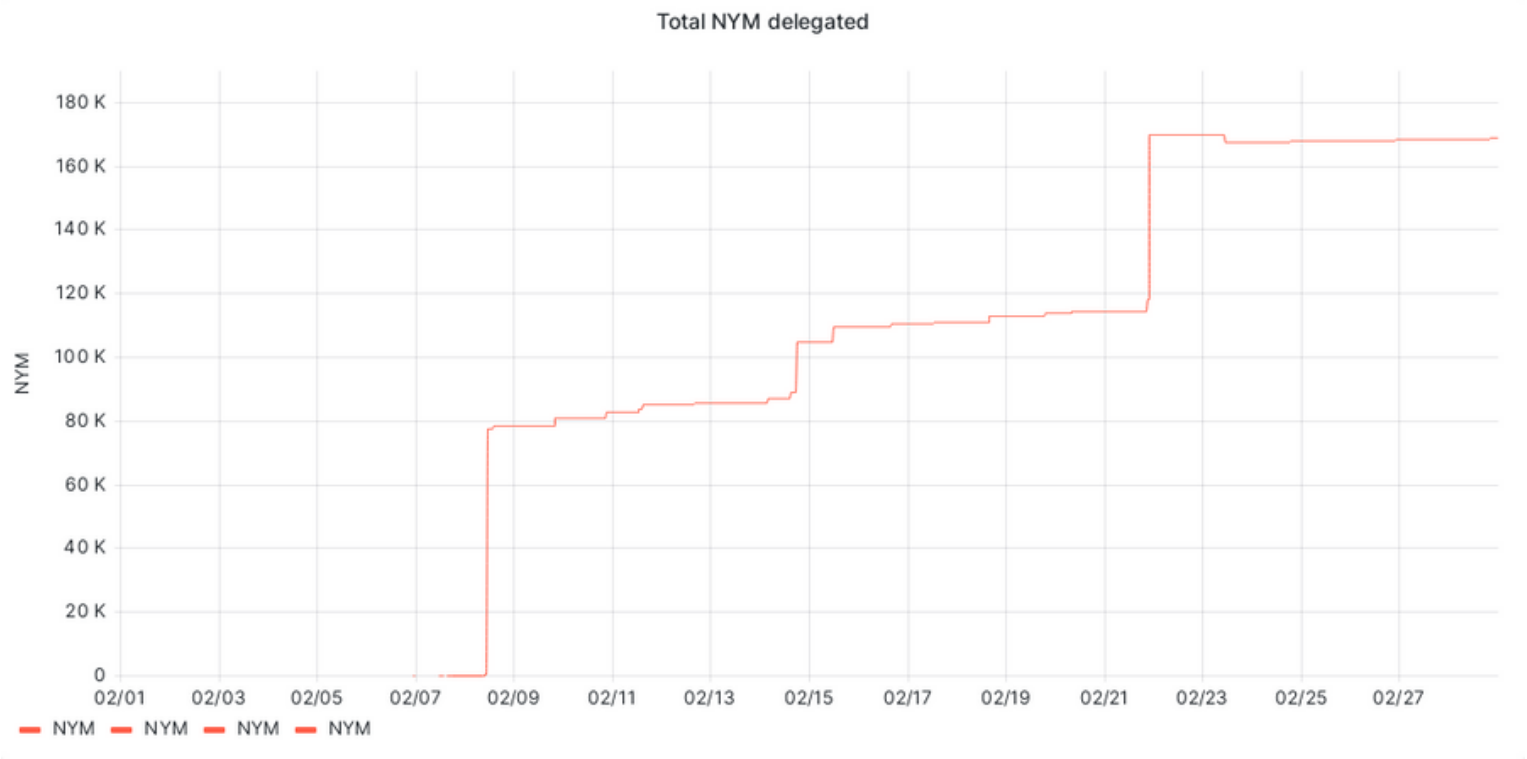


NTV2 mixnode



NTV METRICS

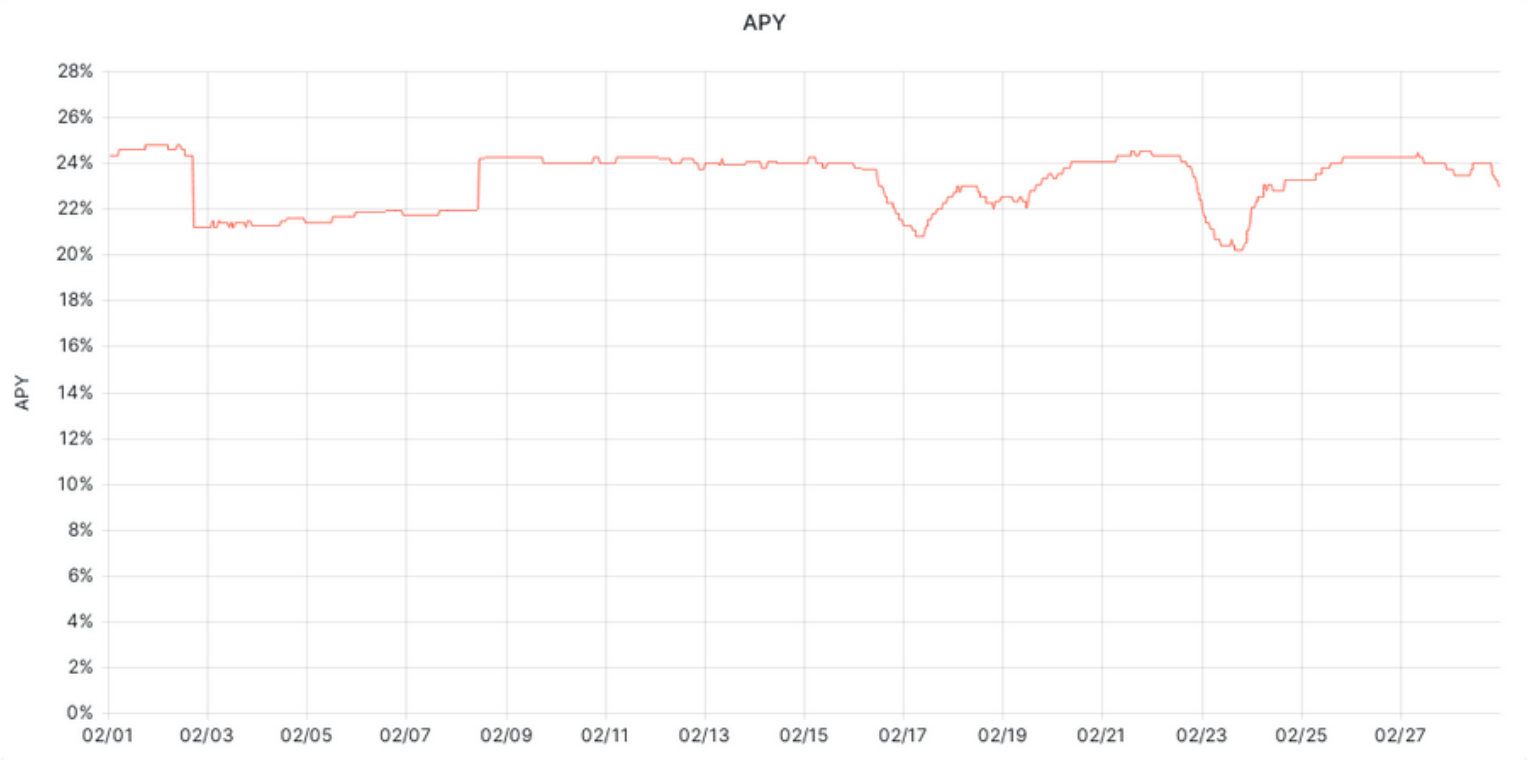
NTV3 mixnode



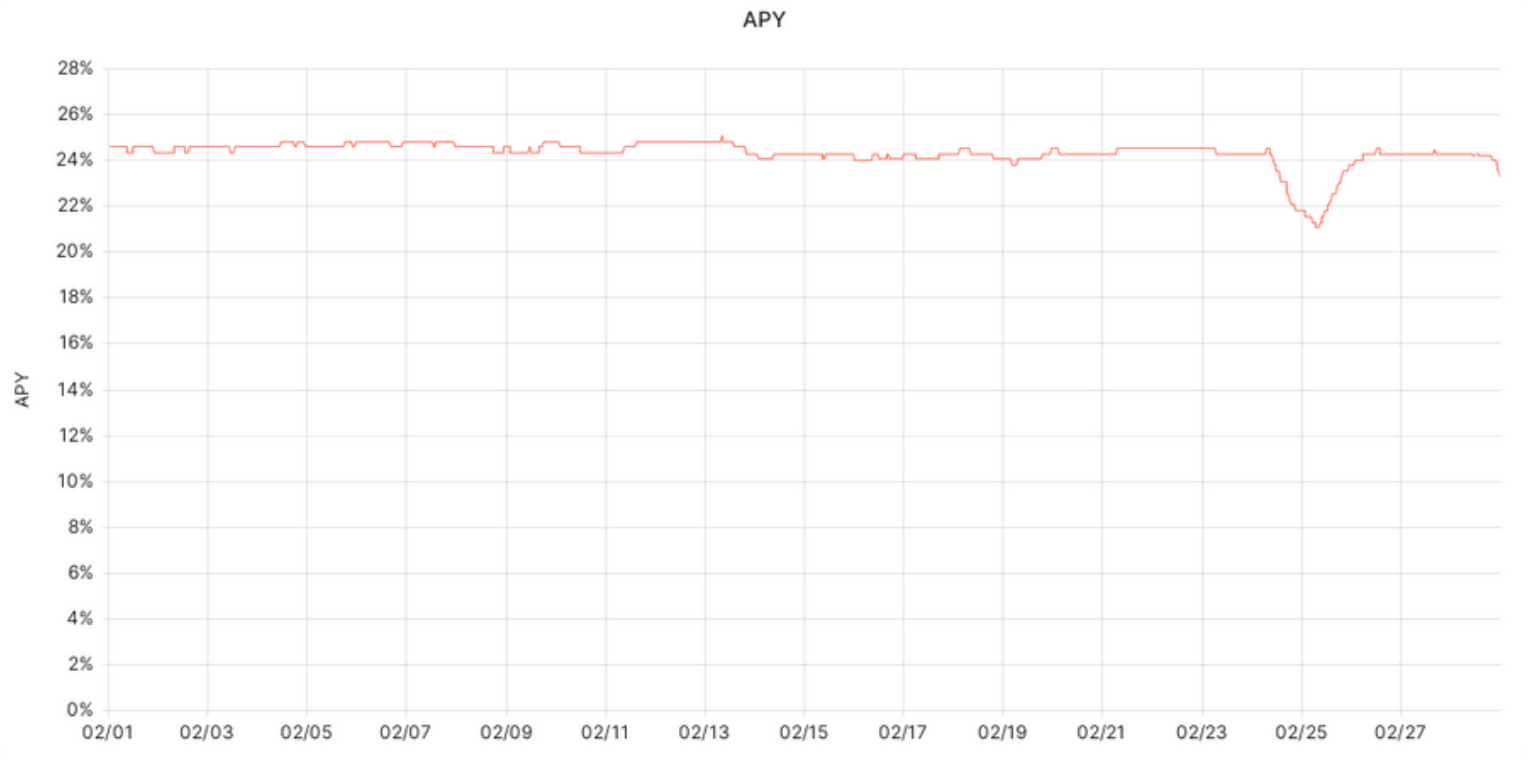
NTV METRICS

Here are the APY statistics for NTV1 & NTV2 & NTV3. Currently, the APY rate averages about 22.93%.

NTV1 mixnode



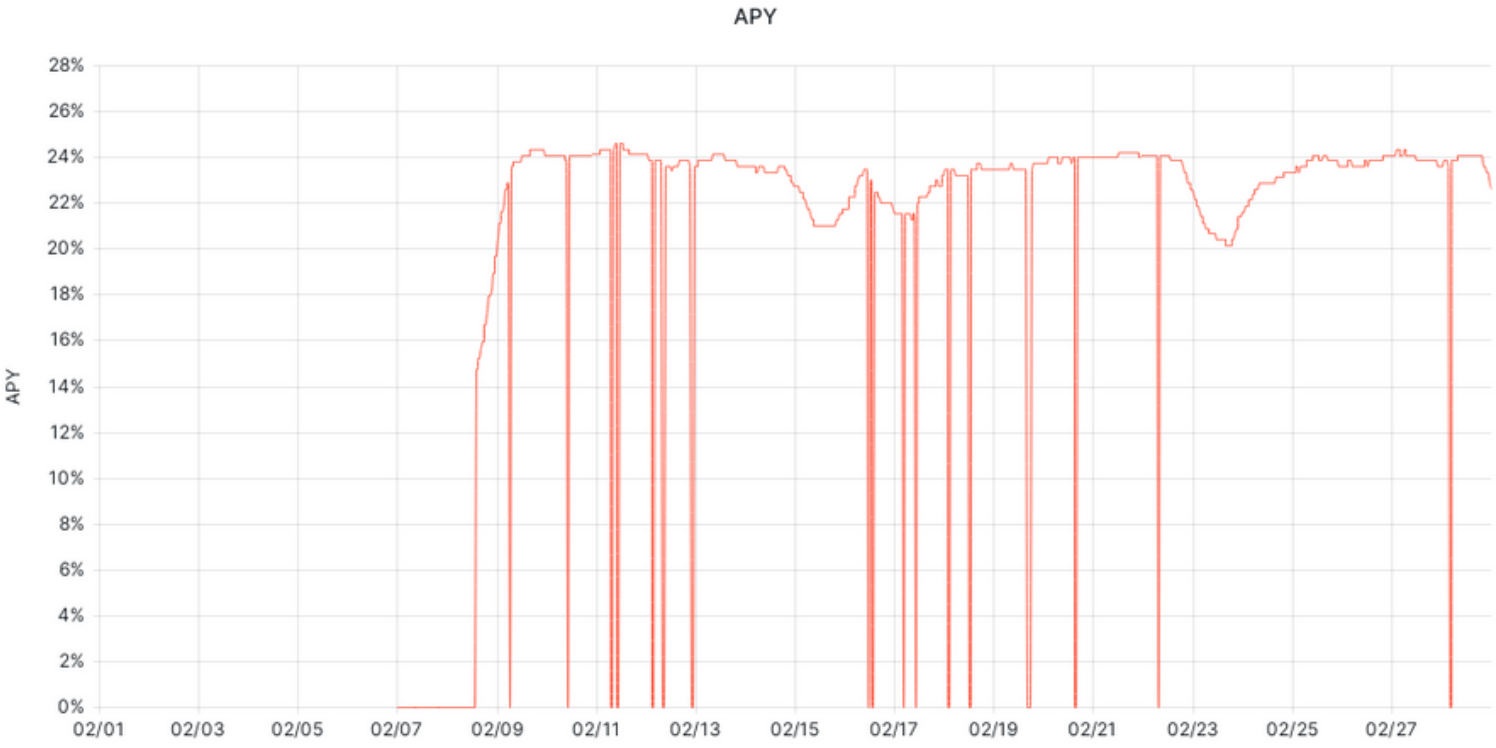
NTV2 mixnode



NTV METRICS

For NTV3 the variations below are normal and are due to the time when the mixnode was not part of the active set.

NTV3 mixnode



The No Trust Verify team would like to thank you for your trust and remains at your disposal for any further information.