Sao Paulo, January 07, 2020

ATM-V4 Netmask Change in IX.br - SP

About the Need

The IX.br ATM-V4 Domain in São Paulo currently has 2048 IPv4 addresses available for allocation, in other words a / 21. Of this total, 60 are used for Router Servers / Simet-IX and network validations. The remaining, approximately, 1988 addresses are allocated to the participants.

187.16.216.0 / 21

History

The IX.br of São Paulo, as well as other locations in IX.br, started operation with a / 24 (256 addresses), and we've had two major changes, as shown below:

Phase	Date	Quantify
1	June / 2004	256 (/24)
2	June / 2011	1024 (/22)
3	Abril / 2014	2048 (/21)

<u>Increase IP Addressing</u>

Anticipating the future expansion, during the implementation of the Third Phase in April / 2014, IX.br has already reserved another / 21 adjacent.

In this new phase just change the mask from / 21 to / 20 in the network interface associated with IX.br.

There will be no need to change the settings in the protocol and in the BGP neighbors.

This change does not affect traffic exchange between participants.

	/21	/20
Reserved -->	187.16.208.0 / 21	**NEW** **187.16.208.0 / 20**
Current -->	187.16.216.0 / 21	

<u>Schedule</u>

The process will be divided into 5 steps over a period of 60 days.

Start: 08 / January / 2020   **End:** 09 / March / 2020

Step1: Change the network mask in Router Server 1   (187.16.216.253/20)

08 / January / 2020

Step2 :Change the network mask in Router Server 2   (187.16.216.254/20)

January 22, 2020

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Step 3: Change the network mask for Router Servers 3 and 4 (187.16.223.253/20 and 187.16.223.254/20). BGP sessions on Router Server 1 of participants who have not changed the netmask yet will be disabled.

05 / February / 2020

Step 4: Disable BGP sessions on Router Server 2 of participants who have not made the change yet and freeze activation tickets with IX.br (VLAN / new interfaces / prefixes).

February 19, 2020

Step 5: Deadline for changing the netmask. BPG sessions will be disabled on Router Servers 3 and 4 and the participant will be removed from the ATM-V4 VLAN..

09 / March / 2020

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