



War in Ukraine

Impact on Networking

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WLCG Networking

LHCONE

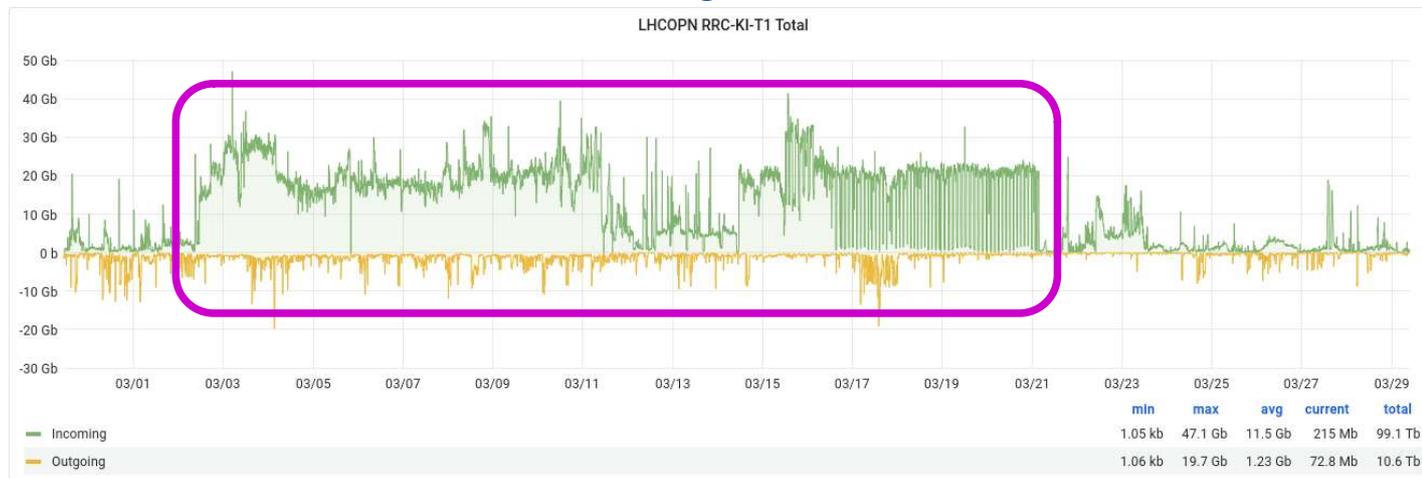
- GEANT and CANARIE have stopped their own LHCONE peering with Russian LHCONE;
 - R&E network peering kept up
 - Limited impact, on European and Canadian LHCONE sites only. Russian sites still reachable outside LHCONE
- All other LHCONE peerings with Russia (ESnet, NORDUnet, CERN) still up

LHCOPN

- The two LHCOPN 100G links to the Russian Tier1s have been up all the time (except the usual fibre cuts)
 - Kurchatov (ATLAS/ALICE/LHCb): constant 20-30Gbps flow from KI to CERN for 18 days.

LHCOPN links, last 30 days

Kurchatov



Dubna



Internet

INTERNET

- Expiring certificates used by Russians cannot be renewed. Russia trying to start own CA, but presents only in Russian web browsers
- Internet organizations and operators recommend to not cut connectivity for Russia, in order to keep a channel open for free information; some operators have stopped their peerings with Russia, though, because used for cyberattacks

UKRAINE

- GEANT PoP in Kyiv disconnected from 10th to 25th of March because of double fibre cuts
- Kharkiv Institute is offline since 11th/3 after attack

WLCG

Position

- keep the LHCOPN and LHCONE connections with Russia up, but site and providers are free to act differently if required by their governing parties

Data

- Unique and difficult to re-create data at JINR and KI is being repatriated
- Looking for solutions to replace backups done at JINR and KI

CERN Council

Extraordinary Session on 25 March 2022:

In response to the military invasion of Ukraine by the Russian Federation, the 23 Member States of CERN today decided to:

- suspend the participation of CERN scientists in all scientific committees of institutions located in the Russian Federation and the Republic of Belarus, and vice versa;
- suspend or, failing that, cancel all events jointly arranged between CERN and institutions located in the Russian Federation and the Republic of Belarus;
- suspend the granting of contracts of association as associated members of the CERN personnel to any new individuals affiliated to home institutions in Russia and Belarus.

The Council will take a decision in June on whether to suspend all collaborations with Russian and Belarusian institutes and with JINR. In the meantime, CERN management will work through the full implications of such a move, developing a scenario to address the issue in a manner that is the least disruptive to individuals and CERN's scientific activities.