MultiONE implementation status update

LHCONE meeting #55
8th October 2025
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Documentation

https://twiki.cern.ch/twiki/bin/view/LHCONE/MultiOneBGPcommunities

Community format:

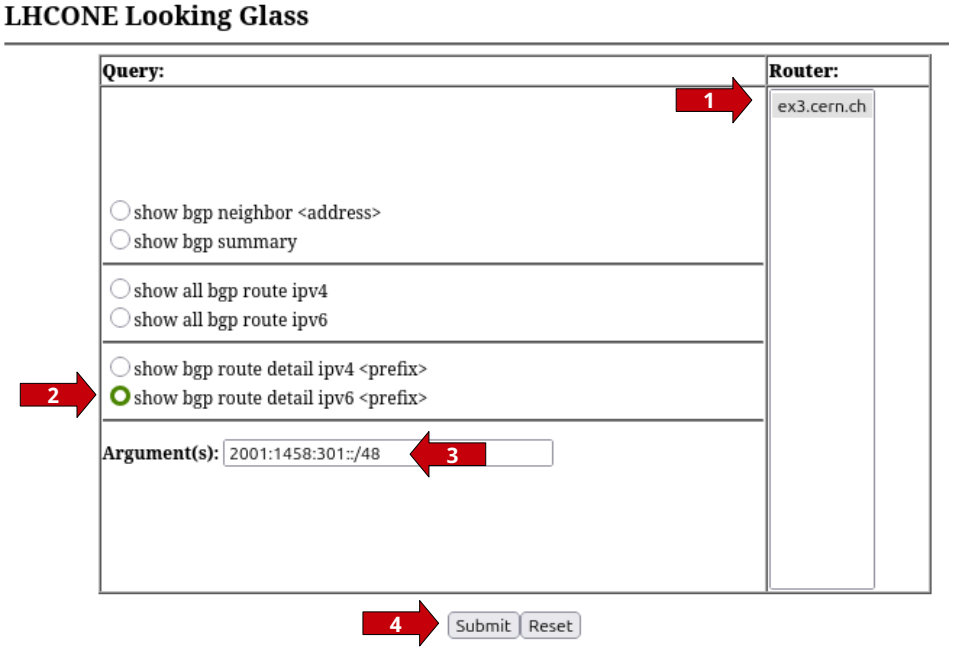
- Standard BGP community
- **Format: 61339:ExpID**
- The ExpIDs are the same as those defined by the SciTags initiative

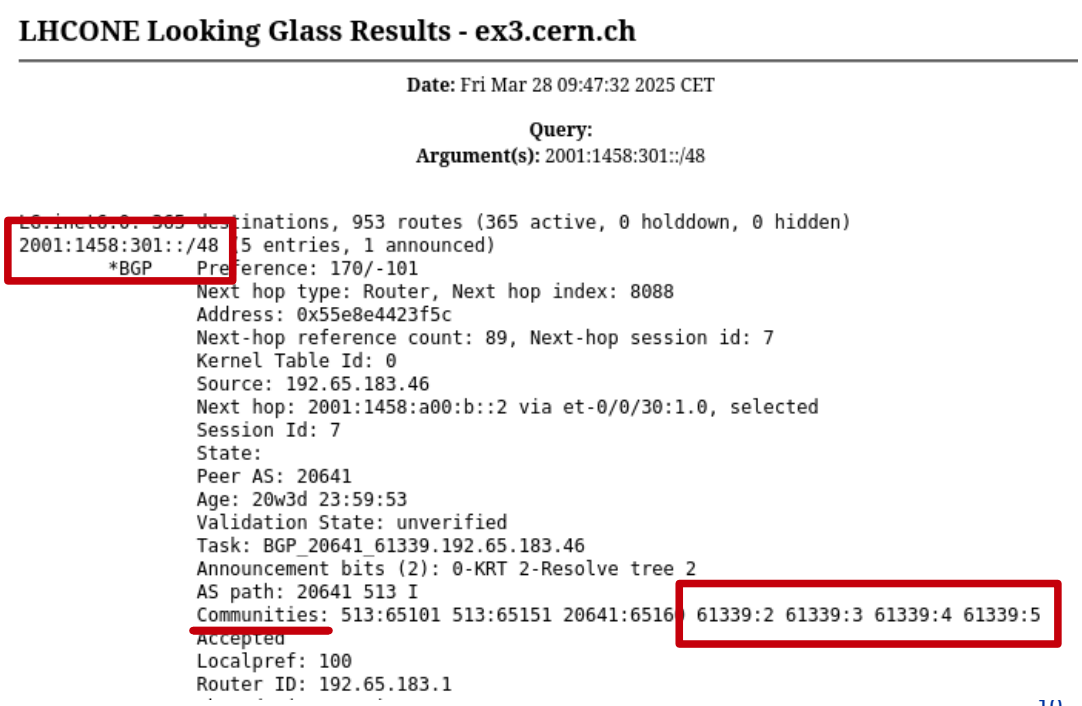
Defined Communities

ALICE	61339:5
ATLAS	61339:2
BelleII	61339:6
CMS	61339:3
DUNE	61339:8
ILC	61339:10
JUNO	61339:12
LHCb	61339:4
NOvA	61339:13
Pierre Auger	61339:11
XENON	61339:14
perfSONAR servers	61339:60001
LHCONE backbone	61339:60002
Demo/Prototype	61339:60003
Opportunistic res	61339:60004
not-LHCONE-AUP	61339:60005

Verify

You can verify if your prefixes are properly tagged in the LHCONE looking glass at *https://lhcone-lg.cern.ch/*





Status update

Date: 2025-10-03 (previous date 2025-03-04)

Number of tagged prefixes: 274 (+64)

Total number of LHCONE prefixes: 660 (-76)

Percentage of tagged prefixes: **41%** (+13%)

Number of ASes originating tagged prefixes: 51 (+10)

New Tag for Opportunistic Resources

Use cases:
- a LHCONE site ***offers Opportunistic Resources*** (OpRes) to other experiments
- a (HPC) centre connects to LHCONE and offers OpRes to any experiments

OpRes prefixes must be tagged also with 61339:60004
- in case of filtering, sites using this tag must accept all the LHCONE prefixes

New Tag for not-LHCONE-AUP experiments

Use cases:

- the resources offered by a LHCONE site may be used by other experiments which have not officially joined LHCONE

not-LHCONE-AUP prefixes must be tagged with 61339:60005

- in case of filtering, sites using this tag must accept the LHCONE prefixes with this tag

Questions? Comments?

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