

## BGP Communities / AS48039

BGP communities will be attached to a BGP route in order to carry out some additional information about that route. These BGP communities are 32-bit values which are splitted into two 16-bit values seperated by a colon. The first value will indicate to which ASN this community belongs and the second value will represents some useful information.

### Informational Communities

Informational Communities will be added by KGT new media, in order to propagate information where the route was initially learned by our ASN. The format is as follows:

#### 48039:T

T - The type of relationship that the route was learned through

Value	Type of Relationship
1	Transit
2	Public Peer
3	Private Peer
4	Customer

#### 48039:CC

CC - The country code where the route was learned through

Value	Country Code
49	Germany
41	Switzerland
43	Austria
44	United Kingdom
31	Netherlands

## 48039:IXP

IXP – From which IXP the route was learned through

Value	Country Code
DE-CIX Peer v4/v6	3440 / 3640
DE-CIX Routeserver v4/v6	4440 / 4640
AMS-IX Peer v4/v6	3450 / 3650
AMS-IX Routeserver v4/v6	4450 / 4650
LINX Peer v4/v6	3460 / 3660
LINX Routeserver v4/v6	4460 / 4660
KLEYREX Peer v4/v6	3470 / 3670
VIX Peer v4/v6	3480 / 3680
VIX Routeserver v4/v6	4480 / 4680

## Action Communities

Action Communities are optional communities which may be added by KGT new media customers, to control route attributes or to control how routes are exported to other networks.

Value	Meaning
48039:1000	No announce to all of our Transit Uplinks
48039:1100	No announce to DTAG (AS3320)
48039:1110	No announce to Atrato (AS5580)
48039:1120	No announce to TiNet (AS3257)
48039:1130	No announce to Cogent (AS174)
48039:1010	Prepend prefix single
48039:1020	Prepend prefix double
48039:1030	Prepend prefix triple
48039:666	Discard / Null route all traffic to this specific prefix (Allowed prefix length is up to /32 and /128)