

## Percentage of Total Internet2 Traffic Consisting of Kazaa/Morpheus/FastTrack (Source Port=1214) By Core Node

<b>SRC=1214</b>	<b>1-Nov</b>	<b>3-Nov</b>	<b>4-Nov</b>	<b>5-Nov</b>	<b>6-Nov</b>	<b>7-Nov</b>	<b>13-Nov</b>	<b>14-Nov</b>	<b>15-Nov</b>	<b>16-Nov</b>	<b>17-Nov</b>	<b>18-Nov</b>
<b>ATLA</b>	25%	25%	26%	26%	27%	30%	25%	24%	26%	28%	29%	29%
<b>CLEV</b>	25%	27%	28%	27%	28%	28%	27%	28%	27%	29%	29%	31%
<b>HSTN</b>	25%	23%	25%	26%	26%	26%	24%	22%	25%	27%	30%	30%
<b>IPLS</b>	26%	27%	27%	28%	29%	30%	27%	26%	27%	30%	30%	31%
<b>KSCY</b>	23%	26%	n/a	26%	27%	27%	30%	26%	25%	27%	26%	28%
<b>NYCM</b>	25%	28%	28%	28%	27%	27%	26%	27%	26%	28%	29%	30%
<b>WASH</b>	25%	29%	30%	29%	29%	30%	28%	29%	29%	30%	31%	32%
<b>DNVR</b>	14%	15%	16%	16%	17%	13%	5%	8%	9%	20%	22%	22%
<b>LOSA</b>	18%	17%	18%	19%	18%	23%	21%	18%	23%	23%	20%	20%
<b>SNVA</b>	19%	18%	20%	20%	20%	20%	17%	18%	18%	20%	20%	21%
<b>STTL</b>	13%	20%	21%	18%	20%	18%	17%	20%	17%	20%	21%	20%
<b>ALL NODES</b>	<b>25%</b>	<b>n/a</b>	<b>26%</b>	<b>26%</b>	<b>26%</b>	<b>27%</b>	<b>24%</b>	<b>23%</b>	<b>23%</b>	<b>27%</b>	<b>27%</b>	<b>28%</b>
<b>SRC=1214</b>	<b>19-Nov</b>	<b>20-Nov</b>	<b>21-Nov</b>	<b>22-Nov</b>	<b>23-Nov</b>	<b>24-Nov</b>	<b>25-Nov</b>	<b>26-Nov</b>	<b>27-Nov</b>	<b>28-Nov</b>	<b>29-Nov</b>	<b>30-Nov</b>
<b>ATLA</b>	29%	28%	21%	13%	14%	14%	22%	29%	29%	27%	26%	27%
<b>CLEV</b>	28%	26%	19%	15%	13%	15%	21%	29%	28%	29%	28%	28%
<b>HSTN</b>	31%	26%	21%	13%	15%	14%	20%	27%	26%	24%	23%	23%
<b>IPLS</b>	29%	27%	21%	16%	14%	16%	21%	30%	30%	30%	29%	29%
<b>KSCY</b>	26%	24%	18%	14%	12%	14%	20%	27%	27%	28%	27%	27%
<b>NYCM</b>	28%	28%	22%	16%	15%	16%	22%	28%	27%	28%	27%	28%
<b>WASH</b>	31%	30%	23%	11%	11%	12%	22%	30%	31%	30%	30%	30%
<b>DNVR</b>	21%	20%	16%	12%	10%	12%	15%	21%	22%	22%	22%	21%
<b>LOSA</b>	21%	19%	17%	11%	11%	10%	13%	19%	20%	18%	19%	21%
<b>SNVA</b>	20%	19%	16%	12%	10%	11%	15%	20%	21%	21%	22%	20%
<b>STTL</b>	20%	18%	15%	11%	n/a	10%	13%	19%	20%	21%	20%	20%
<b>ALL NODES</b>	<b>27%</b>	<b>n/a</b>	<b>20%</b>	<b>13%</b>	<b>12%</b>	<b>13%</b>	<b>19%</b>	<b>27%</b>	<b>27%</b>	<b>27%</b>	<b>n/a</b>	<b>27%</b>

<b>SRC=1214</b>	<b>1-Dec</b>	<b>2-Dec</b>	<b>3-Dec</b>	<b>4-Dec</b>	<b>5-Dec</b>	<b>6-Dec</b>	<b>7-Dec</b>	<b>8-Dec</b>	<b>9-Dec</b>	<b>12-Dec</b>	<b>13-Dec</b>	<b>14-Dec</b>
<b>ATLA</b>	27%	28%	28%	29%	30%	27%	28%	28%	28%	26%	28%	27%
<b>CLEV</b>	29%	30%	30%	30%	30%	29%	29%	30%	31%	31%	31%	30%
<b>HSTN</b>	24%	27%	24%	25%	26%	25%	26%	28%	30%	30%	25%	24%
<b>IPLS</b>	30%	31%	30%	30%	30%	n/a	30%	31%	31%	31%	30%	30%
<b>KSCY</b>	28%	28%	28%	28%	n/a	n/a	27%	29%	29%	29%	27%	26%
<b>NYCM</b>	29%	29%	29%	n/a	n/a	n/a	27%	n/a	n/a	n/a	28%	30%
<b>WASH</b>	31%	31%	31%	31%	31%	30%	30%	32%	32%	32%	31%	33%
<b>DNVR</b>	22%	23%	23%	23%	23%	22%	22%	n/a	23%	23%	22%	21%
<b>LOSA</b>	22%	22%	22%	23%	23%	21%	n/a	n/a	n/a	n/a	22%	23%
<b>SNVA</b>	22%	22%	23%	23%	23%	n/a	21%	23%	23%	23%	21%	22%
<b>STTL</b>	20%	19%	20%	21%	21%	20%	18%	19%	19%	19%	21%	19%
<b>ALL NODES</b>	<b>27%</b>	<b>28%</b>	<b>28%</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>27%</b>	<b>n/a</b>	<b>29%</b>	<b>27%</b>	<b>28%</b>	<b>28%</b>

<b>SRC=1214</b>	<b>15-Dec</b>	<b>16-Dec</b>	<b>17-Dec</b>	<b>18-Dec</b>	<b>19-Dec</b>	<b>20-Dec</b>	<b>21-Dec</b>	<b>22-Dec</b>	<b>23-Dec</b>	<b>24-Dec</b>	<b>25-Dec</b>	<b>28-Dec</b>
<b>ATLA</b>	24%	23%	24%	21%	14%	10%	7%	4%	4%	4%	3%	5%
<b>CLEV</b>	28%	27%	25%	24%	23%	17%	11%	5%	5%	4%	4%	5%
<b>HSTN</b>	22%	24%	22%	19%	13%	10%	8%	5%	4%	4%	4%	5%
<b>IPLS</b>	28%	28%	25%	25%	23%	17%	10%	n/a	n/a	n/a	n/a	n/a
<b>KSCY</b>	22%	21%	20%	19%	17%	12%	8%	n/a	n/a	n/a	n/a	n/a
<b>NYCM</b>	31%	29%	28%	28%	27%	20%	12%	6%	5%	4%	4%	6%
<b>WASH</b>	34%	33%	32%	31%	25%	16%	n/a	4%	3%	3%	3%	4%
<b>DNVR</b>	19%	18%	16%	15%	13%	9%	6%	4%	3%	3%	3%	4%
<b>LOSA</b>	18%	17%	16%	14%	13%	9%	7%	5%	4%	4%	4%	5%
<b>SNVA</b>	18%	16%	15%	14%	14%	10%	6%	4%	3%	3%	3%	4%
<b>STTL</b>	18%	19%	18%	17%	14%	9%	7%	5%	5%	5%	6%	5%
<b>ALL NODES</b>	<b>27%</b>	<b>26%</b>	<b>25%</b>	<b>24%</b>	<b>21%</b>	<b>15%</b>	<b>n/a</b>	<b>4%</b>	<b>3%</b>	<b>n/a</b>	<b>3%</b>	<b>4%</b>

<b>SRC=1214</b>	<b>29-Dec</b>	<b>30-Dec</b>	<b>31-Dec</b>	<b>1-Jan</b>	<b>2-Jan</b>	<b>3-Jan</b>	<b>4-Jan</b>	<b>5-Jan</b>	<b>6-Jan</b>	<b>7-Jan</b>	<b>8-Jan</b>	<b>9-Jan</b>
<b>ATLA</b>	5%	5%	4%	n/a	n/a	7%	9%	12%	16%	n/a	21%	21%
<b>CLEV</b>	6%	6%	6%	5%	7%	9%	10%	12%	n/a	n/a	21%	21%
<b>HSTN</b>	6%	6%	5%	6%	7%	7%	8%	12%	15%	16%	17%	19%
<b>IPLS</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>KSCY</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>NYCM</b>	6%	6%	6%	6%	8%	10%	11%	11%	4%	22%	11%	23%
<b>WASH</b>	4%	4%	4%	4%	5%	7%	8%	8%	3%	17%	18%	19%
<b>DNVR</b>	4%	5%	4%	4%	5%	6%	7%	6%	2%	14%	14%	15%
<b>LOSA</b>	6%	6%	5%	6%	8%	9%	11%	12%	12%	15%	16%	16%
<b>SNVA</b>	4%	4%	4%	4%	5%	6%	7%	7%	10%	14%	n/a	15%
<b>STTL</b>	7%	8%	7%	7%	7%	8%	8%	12%	15%	15%	16%	15%
<b>ALL NODES</b>	<b>4%</b>	<b>5%</b>	<b>n/a</b>	<b>4%</b>	<b>6%</b>	<b>7%</b>	<b>n/a</b>	<b>10%</b>	<b>n/a</b>	<b>18%</b>	<b>12%</b>	<b>19%</b>

<b>SRC=1214</b>	<b>10-Jan</b>	<b>11-Jan</b>	<b>12-Jan</b>	<b>13-Jan</b>	<b>14-Jan</b>	<b>15-Jan</b>	<b>16-Jan</b>	<b>17-Jan</b>	<b>18-Jan</b>	<b>19-Jan</b>	<b>20-Jan</b>	<b>21-Jan</b>
<b>ATLA</b>	n/a	n/a	18%	n/a	20%	20%	22%	n/a	22%	23%	25%	26%
<b>CLEV</b>	n/a	21%	22%	23%	23%	25%	24%	24%	24%	25%	26%	27%
<b>HSTN</b>	16%	15%	17%	18%	18%	18%	18%	19%	20%	20%	23%	22%
<b>IPLS</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>KSCY</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>NYCM</b>	23%	23%	27%	29%	3%	8%	29%	30%	30%	29%	31%	32%
<b>WASH</b>	18%	18%	20%	20%	19%	19%	20%	21%	20%	23%	23%	23%
<b>DNVR</b>	n/a	n/a	13%	14%	13%	12%	13%	14%	13%	14%	14%	14%
<b>LOSA</b>	14%	13%	14%	14%	13%	12%	13%	13%	13%	13%	15%	17%
<b>SNVA</b>	n/a	13%	14%	15%	15%	13%	14%	n/a	14%	13%	15%	15%
<b>STTL</b>	17%	15%	16%	16%	16%	14%	14%	16%	16%	17%	15%	15%
<b>ALL NODES</b>	<b>n/a</b>	<b>17%</b>	<b>18%</b>	<b>18%</b>	<b>n/a</b>	<b>14%</b>	<b>19%</b>	<b>n/a</b>	<b>19%</b>	<b>n/a</b>	<b>21%</b>	<b>22%</b>

<b>SRC=1214</b>	<b>22-Jan</b>	<b>23-Jan</b>
<b>ATLA</b>	23%	22%
<b>CLEV</b>	25%	23%
<b>HSTN</b>	19%	16%
<b>IPLS</b>	n/a	29%
<b>KSCY</b>	n/a	31%
<b>NYCM</b>	30%	29%
<b>WASH</b>	21%	19%
<b>DNVR</b>	14%	13%
<b>LOSA</b>	13%	13%
<b>SNVA</b>	16%	15%
<b>STTL</b>	14%	12%
<b>ALL NODES</b>	<b>20%</b>	<b>20%</b>

**Notes:** All data from <http://www.itec.oar.net/abilene-netflow/> (days which were entirely omitted in the studied range had no data available)  
Values rounded to the nearest percent; "n/a" means per source port data was unavailable for that location for that date  
Shaded region represents de facto Christmas break week.