

NAME

rasort – sort **argus(8)** data file.

SYNOPSIS

rasort [[**-M** *sortmode*] [**-m** *sort fields*] ...] [**raoptions**] [-- *filter-expression*]

DESCRIPTION

Rasort reads **argus** data from an *argus-data* source, sorts the records based on the criteria specified on the command line, and outputs a valid *argus-stream*.

OPTIONS

Rasort, like all ra based clients, supports a number of **ra options** including filtering of input argus records through a terminating filter expression. See **ra(1)** for a complete description of **ra options**. **rasort(1)** specific options are:

-M replace

Replace the existing file(s) with the sorted output(s).

-m field [field ...]

Supported sort fields are:

stime	record start time <default>
ltime	record last time.
trans	aggregation record count.
dur	record total duration.
avgdur	record average duration.
mindur	record minimum duration.
maxdur	record maximum duration.
smac	source MAC addr.
dmac	destination MAC addr.
soui	oui portion of the source MAC addr.
doui	oui portion of the destination MAC addr.
saddr[/cidr]	source IP addr, with optional cidr specification for IPv4 addresses.
daddr[/cidr]	destination IP addr, with optional cidr specification for IPv4 addresses.
proto	transaction protocol.
sport	source port number.
dport	destination port number.
stos	source TOS byte value.
dtos	destination TOS byte value.
sttl	src -> dst TTL value.
dttl	dst -> src TTL value.
bytes	total transaction bytes.
sbytes	src -> dst transaction bytes.
dbytes	dst -> src transaction bytes.
pkts	total transaction packet count.
spkts	src -> dst packet count.
dpkts	dst -> src packet count.
load	bits per second.
sload	source bits per second.
dload	destination bits per second.
loss	pkts retransmitted or dropped.
sloss	source pkts retransmitted or dropped.
dloss	destination pkts retransmitted or dropped.
ploss	percent pkts retransmitted or dropped.
sploss	percent source pkts retransmitted or dropped.
dploss	percent destination pkts retransmitted or dropped.
rate	pkts per second.

srate	source pkts per second.
drate	destination pkts per second.
tranref	argus transaction reference number.
seq	argus sequence number.
smpls	source MPLS identifier.
dmpls	destination MPLS identifier.
svlan	source VLAN identifier.
dvlan	destination VLAN identifier.
srcid	argus source identifier.
stcpb	source TCP base sequence number.
dtcpb	destination TCP base sequence number.
tcprtt	TCP connection setup round-trip time.
smeansz	source mean packet size
dmeansz	destination mean packet size
sco	source country code
dco	destination country code
sas	source autonomous system number
das	destination autonomous system number

INVOCATION

A sample invocation of **rasort(1)**. This call reads **argus(8)** data from **inputfile** and sorts the IP protocol based **argus(8)** data, first by the destination IP address, then by the service (destination) port number and then by the source IP address, and writes the results to stdout. For most services, this arranges **argus(8)** formatted data by server, service, and then by client.

```
rasort -r inputfile -m daddr dport saddr - ip
```

COPYRIGHT

Copyright (c) 2000-2014 QoSient. All rights reserved.

SEE ALSO

ra(1), **rarc(5)**, **argus(8)**,

FILES

AUTHORS

Carter Bullard (carter@qosient.com).

BUGS