

**NAME**

**rahisto** – print histogram of metrics from **argus(8)** data.

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**SYNOPSIS**

**rahisto** [-M *histomode*] -H *bin[L]:range/size* ... [**raoptions**]

**DESCRIPTION**

**Rahisto** 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**

Rahisto, 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**. **rahisto(1)** specific options are:

-M **nozero**

Don't print bins that have zero frequencies.

-M **outlayer**

Print accumulated stats for outlayer values, i.e. the values that are outside the histogram range.

-H *metric bin[L]:range / size*

Supported metrics are:

<b>dur</b>	record total duration.
<b>avgdur</b>	record average duration.
<b>proto</b>	transaction protocol.
<b>sport</b>	source port number.
<b>dport</b>	destination port number.
<b>stos</b>	source TOS byte value.
<b>dtos</b>	destination TOS byte value.
<b>sttl</b>	src -> dst TTL value.
<b>dttl</b>	dst -> src TTL value.
<b>[s d]bytes</b>	[src   dst] transaction bytes.
<b>[s d]appbytes</b>	[src   dst] application bytes.
<b>[s d]pkts</b>	[src   dst] packet count.
<b>[s d]meansz</b>	[src   dst] mean packet size.
<b>[s d]load</b>	packets per second.
<b>[s d]loss</b>	pkts retransmitted or dropped.
<b>[s d]ploss</b>	percent pkts retransmitted or dropped.
<b>[s d]rate</b>	bits per second.

**INVOCATION**

A sample invocation of **rahisto(1)**. This call reads **argus(8)** data from **inputfile** and generates a frequency distribution histogram for the round-trip time of arp volleys in **argus(8)** data, between two hosts in a local area network, a.b.c.d and a.b.c.e.

**rahisto** -H dur 20:50-150u -r inputfile -M outlayer - arp and src pkts 1 and dst pkts 1

**SEE ALSO**

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

**FILES****AUTHORS**

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**BUGS**