

What is maximum depth of history?

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The size of stored history is limited only by the available disk space volume. Data acquired in one test, after two aggregations, consumes approximately 150 bytes. Given test interval t minutes and T days total run time, using formula from previous answer:

$$\text{<Data volume>} = 150 * (T * 24 * 60 / t) * (A * C * (2 * N - A - 1) / 2) = 108000 * T * A * C * (2 * N - A - 1) / t$$

Given free disk space V bytes, we have:

$$\text{<Maximum storable history period (days)>} = T = V * t / (108000 * A * C * (2 * N - A - 1))$$

Given $V=100\text{GB}$ disk space, $N=100$ nodes, $A=1$ active traffic concentration point, $C=3$ classes of service, $t=1$ minute tests interval, we have 4.5 years of history. If we have $A=10$ then history size drops to 6 months, if we use full-mesh then 33 days.