

The graph illustrates the relationship between the number of nodes in the network (x-axis) and the number of nodes in the network (y-axis) for various algorithms. The x-axis is on a logarithmic scale, ranging from 0.9 to 0.99999999. The y-axis ranges from 0 to 1.0. The algorithms are represented by different colored lines and markers. The legend identifies the following algorithms: D-rex (blue line with circles), Min_Storage (orange line with squares), Greedy_Load_Balancing (green line with diamonds), hdfs_3_replications (red line with triangles), HDFS_RS(3,2) (purple line with inverted triangles), HDFS_RS(6,3) (brown line with right-pointing triangles), HDFS_RS(4,2) (pink line with left-pointing triangles), HDFS_RS_ADAPTATIVE (grey line with right-pointing triangles), GlusterFS (yellow-green line with diamonds), GlusterFS_ADAPTATIVE (cyan line with stars), DAOS_1R (blue line with 'x' markers), and DAOS_2R (orange line with '+' markers). The graph shows that the number of nodes in the network generally increases as the number of nodes in the network increases, with some algorithms showing a sharp increase at certain points.

