

NETWORK MESSAGE BUS

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Network Message Bus is implemented using a Multicasting and Message Queue. NMB user sends a message to the local NMB Server. Local NMB server multicasts the message across the network. Multicast message contains the destination IP and port. Local NMB Servers listen on multicast for messages destined to it (By looking at destination IP). If it is destined to the machine, it pushes the message to the local message queue. When a NMB Client connects to the local NMB server, the local server sends all the messages destined to it (identified based on source port of NMB client). Whenever NMB client wants to send message to some other client elsewhere, it sends it to the local NMB Server which multicasts the message so that destined NMB server can pick it up.