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Implementing NTB controller using PCIe endpoint

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A PCI-Express non-transparent bridge (NTB) is a point-to-point PCIe bus connecting 2 host systems. NTB functionality can be achieved in a platform having 2 endpoint instances. Here each of the endpoint instance will be connected to an independent host and the hosts can communicate with each other using endpoint as a bridge. The endpoint framework and the "new" NTB EP function driver should configure the endpoint instances in such a way that the transactions from one endpoint is routed to the other endpoint instance. The host will see the connected endpoint as an NTB port and the existing NTB tools (ntb_pingpong, ntb_perf) in Linux kernel could be used.

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Yes

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