Kindly, The below Article from the below document::

Red Hat OpenShift Container Platform on IBM Z and IBM LinuxONE

As in the following Hyperlink

<https://public.dhe.ibm.com/software/dw/linux390/docu/RHOCP-reference-architecture.pdf>

**4.2 Networking**

In an RHOCP environment, planning of the network is very important given the fact that with IBM Z and IBM LinuxONE you have different choices and combinations for the RHOCP network. Each RHOCP node can have one or more network interfaces. The network design is dependent on the isolation requirements and integration architecture with other workloads Depending on the implementation and hypervisor, you can use the following network options:

* **HiperSockets networks, which are internal IBM Z and LinuxONE networks. They do not require any network cards. You can define multiple instances in one machine.**
* **OSA (Open System Adapter) cards that can be shared and at the same time can be bounded for enhancing the network bandwidth and build an HA network.**
* **RoCE cards which are like the OSA cards, being able to be shared as well and run different protocols.**
* Depending on the hypervisor you can use virtual switches in combination with the network capabilities of IBM Z and LinuxONE mentioned above.

Now, Let us present the suggestions in details, as follows:

About the above first 3 paragraphs ( HiperSockets networks, OSA (Open System Adapter and RoCE Cards), Please read the following article:

Regarding the Need more information about the Idea :

<https://ibm-z-hardware-and-operating-systems.ideas.ibm.com/ideas/ZL1S-I-415>

The Case is:

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Our Suggestion is :

**Adding CXL 3.0 and later CXL 4.0 interconnectivity ( CXL 3 and CXL 4 Ports uses physical Buses PCIe 6 or PCIe7 and CXL Protocols), to the items in the above list, or use CXL over Ethernet instead of the RDMA over Converges Ethernet RoCE.**

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**About the forth paragraph:**

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Our Suggestion is:

**Adding Virtual Appliances for the Compute Express Link ( CXL Virtual Switch Appliance) to the IBM LinuxONE**