Cannot use Self-hosted IR to bridge two on-prem data stores

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Symptoms	User created self-hosted IRs for both source and destination data stores, and wanted to connect the two Irs together to finish a copy. This could be because the data stores are in different VNET, or they could not understand the gateway mechanism. They will hit the problems like the driver of source cannot be found in destination IR. The source cannot be accessed by the destination IR.
Cause	The SHIR is designed as a central node of a copy activity, not a client agent that needs to be installed for each data store. In this case, the linked services for each data store should be created with the same IR, and for sure the IR should be able to access both data stores through network. It's no matter the IR is installed with which data store or even on a 3rd machine. If two linked services created with different IRs, but used in the same copy activity, the destination IR will be used as you have seen. The drivers for both data stores need to be installed on the destination IR machine.
Resolution	Install drivers for both source and destination on the destination IR, and make sure it can access the source data store. If the traffic cannot pass through the network between the two data stores (like in two VNETs), you may not finish the copy in one activity even with IR installed. In that case, you may create two copy activities with two IRs, each in a VENT: one IR to copy from data store 1 to Azure Blob, another to copy from Azure Blob to data store 2. This could simulate the requirement that customer wants the IR to create a bridge to connect two disconnected data stores.
More Information	

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