



Queries Response and Corrigendum - 2

Tender Reference No. HO/IT/14/2021-22/179 dated 11th August 2021

CBI RRB - Storage RFP - Response to Queries						
Sl. No.	Page no.	Point/Section	Clarification Point as stated in the Tender Doc.	Comment/ Suggestion/ Deviation	Bank Response	Corrigendum / (Response/Clarification)
132	Appendix 2: Technical Specifications - Storage		<p>Point 4 : Storage must be configured with FC,SMB,iSCSI, NFS and FTP protocols. Storage must support QoS.</p> <p>Request clause to be changed to read as - "Storage must be configured with native FC ,SMB, iSCSI and NFS protocols. Storage must support QoS".</p> <p>Justification : With the advent of frequent ransomware, hacking & phishing attacks on NAS/File Shares, having ftp server enabled on the storage opens up the data to unsecured implementation of file transfer protocols. To provide better security in shared environments like bank, we have removed ftp server from our storage systems. To provide better security, we recommend that the Bank have a separate security hardened deployment of secure file transfer Linux/windows server* or secure client tools which can be configured to transfer</p>	<p>Point 4 : Storage must be configured with FC,SMB,iSCSI, NFS and FTP protocols. Storage must support QoS.</p> <p>Request clause to be changed to read as - "Storage must be configured with native FC, SMB, iSCSI and NFS protocols. Storage must support QoS".</p> <p>Justification : With the advent of frequent ransomware, hacking & phishing attacks on NAS/File Shares, having ftp server enabled on the storage opens up the data to unsecured implementation of file transfer protocols. To provide better security in shared environments like bank, we have removed ftp server from our storage systems. To provide better security, we recommend that the Bank have a separate security hardened deployment of secure file transfer Linux/windows server which can be configured to transfer data transfer without</p>	<p>The revised clause should be read as "Storage must be configured with FC & iSCSI, protocols. Storage must support QoS."</p>	Corrigendum

			data securely from the proposed storage thus achieving the objective of data transfer without compromising the security of the entire storage system._	compromising the security of the entire storage system.		
		General Query	1. For 48 x 10G port copper switch, will they be deployed in HA. If yes, what will be the distance between the HA switches. This information is need to determine the length of HA cable		These copper switches will be in adjacent RACKS . So accordingly HA cable length should be consider.	Clarification
		General Query	2. 48 x 10G copper switch, has 4x 100G and 2 x 40G ports for uplink. How many out of these have to be populated with optics. Should these optics be Single mode or multimode		These FC should be multimode OFC	Clarification
		General Query	3. For 48 x 10G/25G port fiber switch, will they be deployed in HA. If yes, what will be the distance between the HA switches. This information is needed to determine the length of HA cable		These fiber switches will be in adjacent RACKS . So accordingly HA cable length should be consider.	Clarification
		General Query	4. For 48 x 10G/25G port fiber switch, how may 10G and how many 25G optics are required? Will they all be Multimode ?		These FC should be multimode OFC	Clarification
		General Query	5. For 48 x 10G/25G port fiber switch, should we populate all 100G uplinks ? Single mode or Multimode? There are 4 x 100G uplink ports available in Fiber switch.		These all 4 x 100G optics needs to be populated for uplink with multimode OFC	Clarification

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