Container

Blob 1- Apollo Hospitals

Blob 2- Yashoda Hospitals

Blob 3- Continental Hospitals

Blob 4- Medicover Hospitals

Blob

Blob 4- Medicover Hospitals

Blob 3- Continental Hospitals

Blob 2- Yashoda Hospitals

Blob 1- Apollo Hospitals

Storage Account

Container

Knee Balancer

Stryker Knee Balancer

CS requirements:

R-1. Statical presence of an object (keys) for a long time has a possibility of threat

S-1. Key rotation/regeneration

R-2. Key values (sensitive data in transit) should never be returned in response to a caller request

S-2. SAS token is a secure way to share your storage resources w/o compromising account keys.

**Engg design Secure design**

Storage Acc

Azure vault

Manual

Azure vault

Storage Acc

Azure portal

Azure portal

Design advantages:

1. Why we need to assign the role for vault (operator role)?
2. Key rotation
3. Key Vault manages storage account keys by periodically regenerating them in storage account and provides shared access signature tokens for delegated access to resources in your storage account.

[Using Azure Key Vault to manage Storage Account keys – rakhesh.com](https://rakhesh.com/azure/using-azure-key-vault-to-manage-storage-account-keys/)

[Manage storage account keys with Azure Key Vault and the Azure CLI | Microsoft Docs](https://docs.microsoft.com/en-us/azure/key-vault/secrets/overview-storage-keys)