

### What resources do I need to do this migration?

Before beginning the process it would be a good idea to store backup files on the local system. Next upload the files to a cloud service, for this transfer we can use google cloud. Next it's a good idea to assess the formatting of your data and if GKE supports that type of formatting or if it will have to be altered. Depending on the scale of the data being transferred, you can use Azure portal to transfer the data, which can be found in the storage settings. The azure data box is also a useful free tool available that can be used with Azure portal to make the transfer process of the data easier. It also secures the data being transferred so it is a more secure method. Next the velero tool can be used to create a new copy of all the azure data and migrate it over to GKE. Velero will have to be used with Google Cloud to migrate the copy of the data. The velero tool also secures your data so every step of the process is protected.

References: <https://cloud.google.com/architecture/migrating-containers-multi-cluster-gke>

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/scenarios/data-transfer>

<https://velero.io/>

<https://blog.doit-intl.com/google-kubernetes-engine-cluster-migration-with-velero-4a140b018f32>