Limitations With Certain Cluster Types
Unit 3.1.2

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Do Provider Differences Matter?

Rancher provides workload management on all cluster types. Anything that can be done with Kubernetes, through Kubernetes, can be done with any managed cluster.

Limitations with certain cluster types are controlled by Rancher's access to the infrastructure layer or the data plane.

Infrastructure and Custom clusters both run RKE, so all features are available within Rancher.

Hosted provider clusters include lifecycle management, but because Rancher has no access to the data plane or control plane, it is unable to perform backups or restores for those clusters.

Imported clusters are the most opaque to Rancher. It doesn't know where they're running, how they were built, or how to interact with them outside of the Kubernetes API. These clusters do not include lifecycle management or backup/restore processes.

When working with a non-RKE cluster, you will need to use the provider's tools or other tools to provide business continuity for the clusters.

References

Backing Up Rancher-launched Kubernetes Clusters - https://rancher.com/docs/rancher/v2.x/en/cluster-admin/backing-up-etcd/