Virtual cluster

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Contents

Self-help content presented in Azure Portal

(This content was shown to the customer during case submission. It's also visible on 'Diagnose and solve problems' blade.)

Resolve issues dropping a virtual cluster

At a high level, a Managed Instance is a set of service components hosted on a dedicated set of isolated virtual machines that run inside the customer's virtual network subnet, forming a virtual cluster ⧉.

Each virtual cluster is associated with a subnet and deployed together with first-instance creation. In the same way, a virtual cluster is automatically removed together with last-instance deletion, leaving the subnet empty and ready for removal. There is no need for any manual action on the virtual cluster in order to release the subnet. After the last virtual cluster is deleted ⧉, you can delete the subnet.

Removing the last instance in the subnet and associated virtual cluster is a long-running operation, taking up to 1.5 hours. As soon as the delete is initiated, billing for the managed instance is disabled. See Overview of Azure SQL Managed Instance management operations ⧉.

Troubleshoot prolonged deletion of last managed instance

In the case of prolonged deletion of the last managed instance in the subnet and associated virtual cluster, check for active resource locks on the resource group of the subnet, or exclusive locks applied on the subnet and virtual cluster.

Resources

- Managed instance high-level connectivity architecture ⧉
- Delete a subnet after deleting an Azure SQL Managed Instance ⧉
- Overview of Azure SQL Managed Instance management operations ⧉

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