SOP for Manage Azure Private DNS Zone

The purpose of this page is to document the process for getting DNS feature enabled on the active Azure landscape subscription for a customer.

Customers can manage DNS zones using the native Azure infrastructure, which removes the burden of creating and managing custom DNS solutions. Unlike Azure-provided host names, private DNS zones can be shared between virtual networks. This capability simplifies cross-network and service-discovery scenarios, such as virtual network peering.

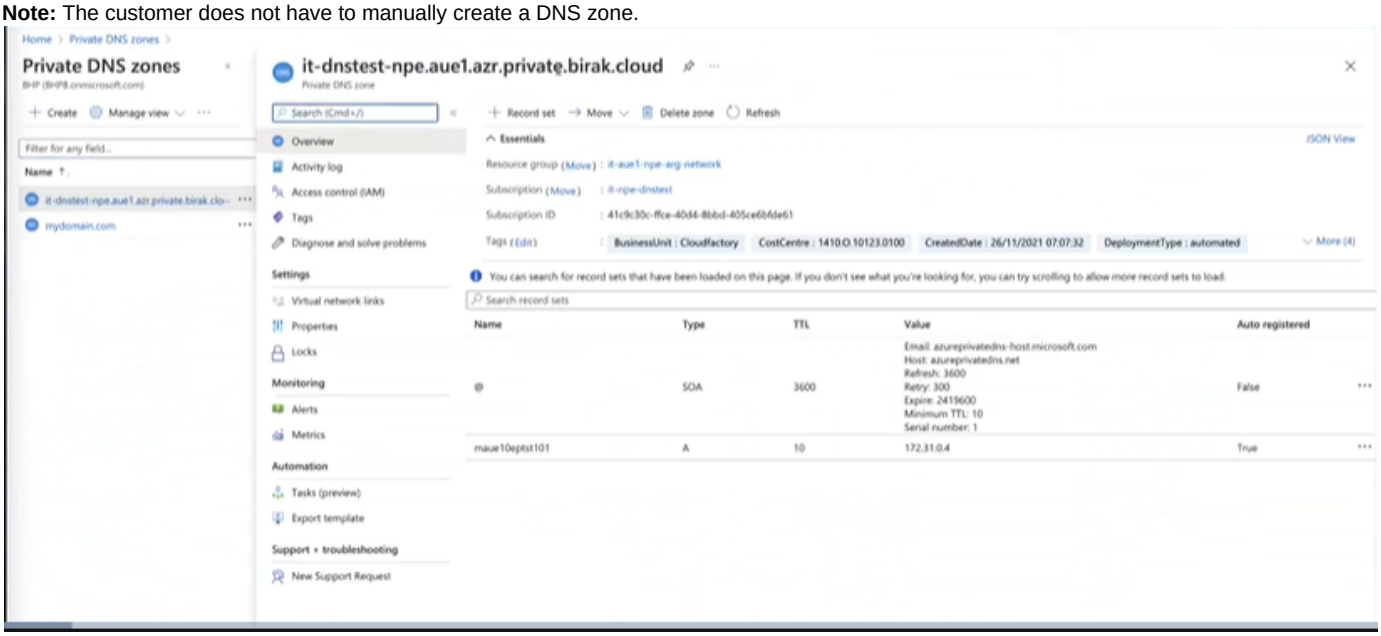
Create a new Private DNS Zone

Cloud Factory receives the service request to create a landscape in the required environment. When creating the landscape/subscription, the Private Hosted Zone is enabled by default, for all new landscapes. This is applicable for new landscapes provisioned.

Step 1

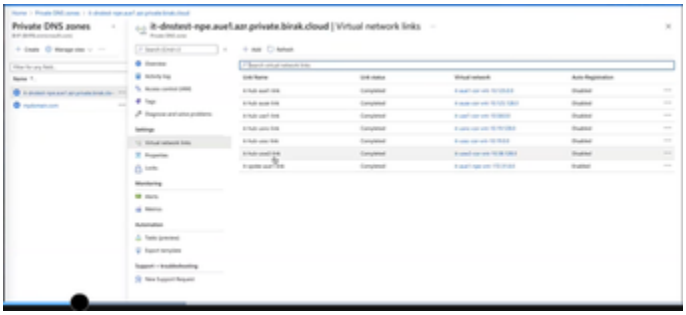
In BHP Cloud, a Private Hosted Zone with default name is created during a new landscape provisioning. The auto registration is turned off by default.
By default, the DNS name is suffixed with azr.private.birak.cloud values. e.g. as in it-dctmamericas-npe.ussc.azr.private.birak.cloud.

Note: The customer does not have to manually create a DNS zone.



Step 2

- Automatic registration of virtual machines from a virtual network that is linked to a private zone with auto registration enabled.
- The virtual machines are registered (added) to the private zone as A records pointing to their private IP addresses. When a virtual machine in a virtual network link with autoregistration enabled is deleted, Azure DNS also automatically removes the corresponding DNS record from the linked private zone.



Step 3

- Verify new DNS entries or records for customer domain are created inside the DNS zone.
- Use of all common DNS records types. Azure DNS supports A, AAAA, CNAME, MX, PTR, SOA, SRV, and TXT records.
- Automatic hostname record management. Along with hosting custom DNS records, Azure automatically maintains hostname records for the VMs in the specified virtual networks. In this scenario, you can optimize the domain names you use without needing to create custom DNS solutions or modify applications.

Reference:

https://docs.microsoft.com/en-us/azure/dns/private-dns-getstarted-portal