

# ADF private DNS zone overrides ARM DNS resolution causing 'Not found' error

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

## Contents

- [Issue:](#)
- [Solution Steps:](#)
  - [Steps to Migrate:](#)
- [Reference](#)

## Issue:

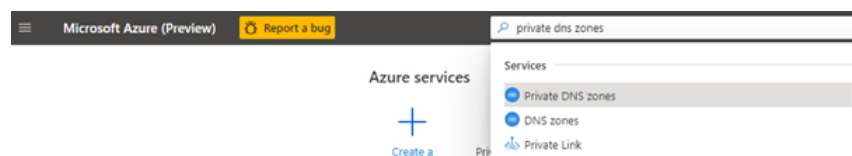
ADF private DNS zone overrides ARM DNS resolution causing 'Not found' error

## Solution Steps:

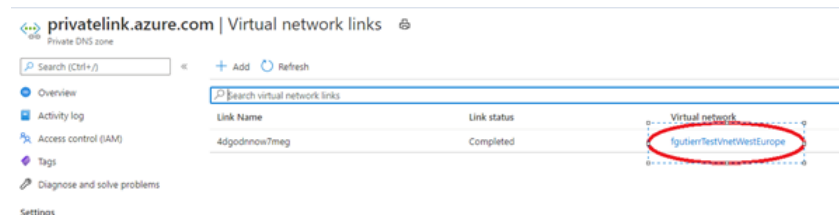
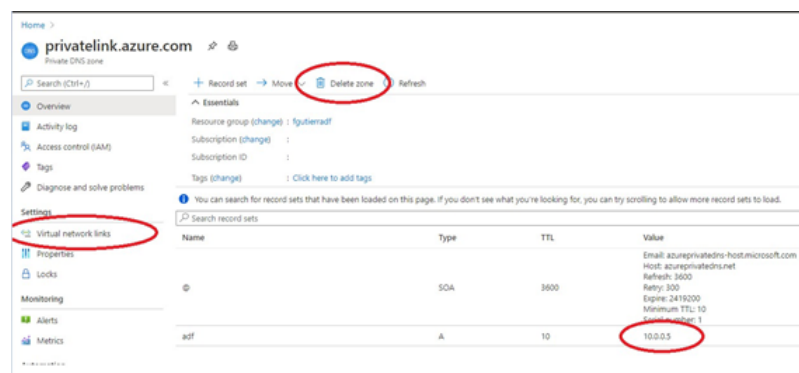
**Note:** If the customer already has Private DNS zone [privatelink.adf.azure.com](https://privatelink.adf.azure.com) go to step [#5](#)

## Steps to Migrate:

1. Navigate to existing Private DNS zone [privatelink.adf.azure.com](https://privatelink.adf.azure.com)
  - Go to [portal.azure.com](https://portal.azure.com)
  - Type 'private DNS zones' on the search bar and click on the option
  - Click on the [privatelink.adf.azure.com](https://privatelink.adf.azure.com) private zone



2. Get the private IP of the existing private endpoint and delete the private zone
  - In the overview blade (default) you'll see a table with the DNS records
  - Look for the one with the name 'adf' with Type 'A' and write down the IP under 'Value' for the next steps.
  - Click on 'Virtual network links' on the left panel, write down all the Virtual Networks for the next steps and then delete all the virtual network links
  - Go back go 'overview' and delete a private zone



3. Create a new Private DNS zone with the name '[privatelink.adf.azure.com](https://privatelink.adf.azure.com)'
  - In the main Private DNS zones page, click on 'add' on the toolbar
  - Select the subscription and resource group and add '[privatelink.adf.azure.com](https://privatelink.adf.azure.com)' as the name

Microsoft Azure (Preview) [Report a bug](#) Search resources, services, and d

Home > Private DNS zones >

## Create Private DNS zone

Basics Tags Review + create

A Private DNS zone provides name resolution services within virtual networks. A Private DNS zone is accessible only from the virtual networks that it is linked to and can't be accessed over internet. For example you can create a Private DNS zone named contoso.com and then create DNS records like www.contoso.com in this zone. You can then link the zone to a one or more virtual networks. [Learn more](#).

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Resource group \*

**Instance details**

Name \*  ✓

Resource group location

**i** You can link virtual networks to this Private DNS zone after zone has been created.

#### 4. Add Virtual network links and DNS 'A' record

- o In the [privatelink.adf.azure.com](https://privatelink.adf.azure.com) private zone click on 'Virtual network links' on the left panel and then add a network link for each of the virtual networks from step 2c

Microsoft Azure (Preview) [Report a bug](#) Search resources, services, and d

Home > Private DNS zones > [privatelink.adf.azure.com](https://privatelink.adf.azure.com)

## Add virtual network link

privatelink.adf.azure.com

Link name \*  ✓

**Virtual network details**

**i** Only virtual networks with Resource Manager deployment model are supported for linking with Private DNS zones. Virtual networks with Classic deployment model are not supported.

☐ I know the resource ID of virtual network

Subscription \*

Virtual network \*

**Configuration**

☐ Enable auto registration

#### 5. Add DNS 'A' record

- Go back to the overview panel and click on '+ Record set', type 'adf' as the name, TTL: 10, TTL unit: seconds, and type the IP from step 2b

## 5. Add DNS 'A' record

- a. Go to the overview panel and click on '+ Record set', type 'portal' as the name, TTL: 10, TTL unit: seconds and type the IP from step **2b**

### Add record set

×

privatelink.adf.azure.com

Name

portal ✓

.privatelink.adf.azure.com

Type

A ▾

TTL \* TTL unit

10 ✓ Hours ▾

IP address

10.0.0.5 ...

0.0.0.0 ...

## Reference

<https://portal.microsofticm.com/imp/v3/incidents/details/215020278/home> 🔗