Windows PowerShell Get-Help on Cmdlet 'New-AzPrivateDnsRecordSet'

PS:\>Get-HELP New-AzPrivateDnsRecordSet -Full

NAME

New-AzPrivateDnsRecordSet

SYNOPSIS

Creates a record set in a Private DNS zone.

SYNTAX

New-AzPrivateDnsRecordSet [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Metadata <System.Collections.Hashtable>] -Name <System.String> [-Overwrite] -ParentResourceId <System.String> [-PrivateDnsRecord <Microsoft.Azure.Commands.PrivateDns.Models.PSPrivateDnsRecordBase[]>] -RecordType {A | AAAA | CNAME | MX | PTR | SOA | SRV | TXT} -Ttl <System.UInt32> [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzPrivateDnsRecordSet [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Metadata <System.Collections.Hashtable>] -Name <System.String> [-Overwrite] [-PrivateDnsRecord <Microsoft.Azure.Commands.PrivateDns.Models.PSPrivateDnsRecordBase[]>]

-RecordType {A | AAAA | CNAME | MX | PTR | SOA | SRV | TXT} -ResourceGroupName <System.String> -Ttl <System.UInt32> -ZoneName <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzPrivateDnsRecordSet [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Metadata <System.Collections.Hashtable>] -Name <System.String> [-Overwrite] [-PrivateDnsRecord <Microsoft.Azure.Commands.PrivateDns.Models.PSPrivateDnsRecordBase[]>]
-RecordType {A | AAAA | CNAME | MX | PTR | SOA | SRV | TXT} -Ttl <System.UInt32> -Zone <Microsoft.Azure.Commands.PrivateDns.Models.PSPrivateDnsZone> [-Confirm]
[-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzPrivateDnsRecordSet cmdlet creates a new Private Domain Name System (DNS) record set with the specified name and type in the specified private zone. A
RecordSet object is a set of Private DNS records with the same name and type. Note that the name is relative to the private zone and not the fully qualified name. The
PrivateDnsRecord parameter specifies the records in the record set. This parameter takes an array of Private DNS records, constructed using
New-AzPrivateDnsRecordConfig. You can use the pipeline operator to pass a PSPrivateDnsZone object to this cmdlet, or you can pass a PSPrivateDnsZone object as the
Zone parameter, or you can specify the zone by its ResourceId, or alternatively you can specify the zone by name. You can use the Confirm parameter and
$ConfirmPreference Windows PowerShell variable to control whether the cmdlet prompts you for confirmation. If a matching RecordSet already exists (same name and
record type), you must specify the Overwrite parameter, otherwise the cmdlet will not create a new RecordSet .

PARAMETERS

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Metadata <System.Collections.Hashtable>

A hash table which represents resource tags.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

The name of the records in this record set (relative to the name of the zone and without a terminating dot).

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Overwrite <System.Management.Automation.SwitchParameter>

Do not fail if the record set already exists.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ParentResourceId <System.String>

Private DNS Zone ResourceID.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PrivateDnsRecord <Microsoft.Azure.Commands.PrivateDns.Models.PSPrivateDnsRecordBase[]>

The private dns records that are part of this record set.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecordType <Microsoft.Azure.Management.PrivateDns.Models.RecordType>

The type of Private DNS records in this record set.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

The resource group to which the zone belongs.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Ttl <System.UInt32>

The TTL value of all the records in this record set.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Zone <Microsoft.Azure.Commands.PrivateDns.Models.PSPrivateDnsZone>

The PrivateDnsZone object representing the zone in which to create the record set.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-ZoneName <System.String>

The zone in which to create the record set (without a terminating dot).

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug,

ErrorAction, ErrorVariable, WarningAction, WarningVariable,

OutBuffer, PipelineVariable, and OutVariable. For more information, see

about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Azure.Commands.PrivateDns.Models.PSPrivateDnsZone

System.String

OUTPUTS

Microsoft.Azure.Commands.PrivateDns.Models.PSPrivateDnsRecordSet

NOTES

---------- Example 1: Create a RecordSet of type A ----------

$Records = @()

$Records += New-AzPrivateDnsRecordConfig -IPv4Address 1.2.3.4

$RecordSet = New-AzPrivateDnsRecordSet -Name "www" -RecordType A -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records

When creating a RecordSet containing a single record, the above sequence can also be condensed into a single line:

$RecordSet = New-AzPrivateDnsRecordSet -Name "www" -RecordType A -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords (New-AzPrivateDnsRecordConfig -IPv4Address 1.2.3.4)

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/MyResourceGroup/providers/Microsoft.Network/privateDnsZones/myzone.com/A/www

Name : www

ZoneName : myzone.com

ResourceGroupName : MyResourceGroup

Ttl : 3600

Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

RecordType : A

Records : {1.2.3.4}

Metadata :

IsAutoRegistered :

To create a record set containing multiple records, use New-AzPrivateDnsRecordConfig to add each record to the $Records array,

then call New-AzPrivateDnsRecordSet, as follows:

$Records = @()

$Records += New-AzPrivateDnsRecordConfig -IPv4Address 1.2.3.4

$Records += New-AzPrivateDnsRecordConfig -IPv4Address 5.6.7.8

$RecordSet = New-AzPrivateDnsRecordSet -Name "www" -RecordType A -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/MyResourceGroup/providers/Microsoft.Network/privateDnsZones/myzone.com/A/www

Name : www

ZoneName : myzone.com

ResourceGroupName : MyResourceGroup

Ttl : 3600

Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

RecordType : A

Records : {1.2.3.4, 5.6.7.8}

Metadata :

IsAutoRegistered :

This example creates a RecordSet named www in the private zone myzone.com. The record set is of type A and has a TTL of 1 hour (3600 seconds). It contains a single

Private DNS record.

---------- Example 2: Create a RecordSet of type AAAA ----------

$Records = @()

$Records += New-AzPrivateDnsRecordConfig -Ipv6Address 2001:db8::1

$RecordSet = New-AzPrivateDnsRecordSet -Name "www" -RecordType AAAA -ResourceGroupName

"MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Micros
oft.Network/privateDnsZones/myzone.com/AAAA/www
Name : www
ZoneName : myzone.com
ResourceGroupName : MyResourceGroup
Ttl : 3600
Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
RecordType : AAAA
Records : {2001:db8::1}
Metadata :
IsAutoRegistered :

This example creates a RecordSet named www in the private zone myzone.com. The record set is of type AAAA and has a TTL of 1 hour (3600 seconds). It contains a single
Private DNS record. To create a RecordSet using only one line of pn_PowerShell_short, or to create a record set with multiple records, see Example 1.

--------- Example 3: Create a RecordSet of type CNAME ---------

$Records = @()
$Records += New-AzPrivateDnsRecordConfig -Cname www.contoso.com
$RecordSet = New-AzPrivateDnsRecordSet -Name "www" -RecordType CNAME -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Micros
oft.Network/privateDnsZones/myzone.com/CNAME/www
Name : www
ZoneName : myzone.com
ResourceGroupName : MyResourceGroup
Ttl : 3600

Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

RecordType : CNAME

Records : {www.contoso.com}

Metadata :

IsAutoRegistered :

This example creates a RecordSet named www in the private zone myzone.com. The record set is of type CNAME and has a TTL of 1 hour (3600 seconds). It contains a

single Private DNS record. To create a RecordSet using only one line of pn_PowerShell_short, or to create a record set with multiple records, see Example 1.

---------- Example 4: Create a RecordSet of type MX ----------

```
$Records = @()
$Records += New-AzPrivateDnsRecordConfig -Exchange "mail.microsoft.com" -Preference 5
$RecordSet = New-AzPrivateDnsRecordSet -Name "www" -RecordType MX -ResourceGroupName "MyResourceGroup"
-TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records
```

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Micros
oft.Network/privateDnsZones/myzone.com/MX/www

Name : www

ZoneName : myzone.com

ResourceGroupName : MyResourceGroup

Ttl : 3600

Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

RecordType : MX

Records : {[5,mail.microsoft.com]}

Metadata :

IsAutoRegistered :

This command creates a RecordSet named www in the private zone myzone.com. The record set is of type MX and has a TTL of 1 hour (3600 seconds). It contains a single

Private DNS record. To create a RecordSet using only one line of pn_PowerShell_short, or to create a record set with multiple records, see Example 1.

---------- Example 5: Create a RecordSet of type PTR ----------

```
$Records = @()
$Records += New-AzPrivateDnsRecordConfig -Ptrdname www.contoso.com
 $RecordSet = New-AzPrivateDnsRecordSet -Name "4" -RecordType PTR -ResourceGroupName "MyResourceGroup"
-TTL 3600 -ZoneName "3.2.1.in-addr.arpa" -PrivateDnsRecords
$Records

Id                : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Micros
                    oft.Network/privateDnsZones/3.2.1.in-addr.arpa/PTR/4
Name              : 4
ZoneName          : 3.2.1.in-addr.arpa
ResourceGroupName : MyResourceGroup
Ttl               : 3600
Etag              : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
RecordType        : PTR
Records           : {www.contoso.com}
Metadata          :
IsAutoRegistered  :
```

This command creates a RecordSet named 4 in the private zone 3.2.1.in-addr.arpa. The record set is of type PTR and has a TTL of 1 hour (3600 seconds). It contains a

single Private DNS record. To create a RecordSet using only one line of pn_PowerShell_short, or to create a record set with multiple records, see Example 1.

---------- Example 6: Create a RecordSet of type SRV ----------

```
$Records = @()
```

$Records += New-AzPrivateDnsRecordConfig -Priority 0 -Weight 5 -Port 8080 -Target sipservice.contoso.com

$RecordSet = New-AzPrivateDnsRecordSet -Name "_sip._tcp" -RecordType SRV -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Microsoft.Network/privateDnsZones/myzone.com/SRV/_sip._tcp

Name : _sip._tcp

ZoneName : myzone.com

ResourceGroupName : MyResourceGroup

Ttl : 3600

Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

RecordType : SRV

Records : {[0,5,8080,sipservice.contoso.com]}

Metadata :

IsAutoRegistered :

This command creates a RecordSet named _sip._tcp in the private zone myzone.com. The record set is of type SRV and has a TTL of 1 hour (3600 seconds). It contains a single Private DNS record, pointing to the IP address 2001.2.3.4. The service (sip) and the protocol (tcp) are specified as part of the record set name, not as part of the record data. To create a RecordSet using only one line of pn_PowerShell_short, or to create a record set with multiple records, see Example 1.

---------- Example 7: Create a RecordSet of type TXT ----------

$Records = @()

$Records += New-AzPrivateDnsRecordConfig -Value "This is a TXT Record"

$RecordSet = New-AzPrivateDnsRecordSet -Name "text" -RecordType TXT -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Micros

oft.Network/privateDnsZones/myzone.com/TXT/text

Name : text

ZoneName : myzone.com

ResourceGroupName : MyResourceGroup

Ttl : 3600

Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

RecordType : TXT

Records : {This is a TXT Record}

Metadata :

IsAutoRegistered :

This command creates a RecordSet named text in the private zone myzone.com. The record set is of type TXT and has a TTL of 1 hour (3600 seconds). It contains a single

Private DNS record. To create a RecordSet using only one line of pn_PowerShell_short, or to create a record set with multiple records, see Example 1.

------- Example 8: Create a RecordSet at the zone apex -------

```
$Records = @()
$Records += New-AzPrivateDnsRecordConfig -Ipv4Address 1.2.3.4
$RecordSet = New-AzPrivateDnsRecordSet -Name "@" -RecordType A -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records
```

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Micros

oft.Network/privateDnsZones/myzone.com/A/@

Name : @

ZoneName : myzone.com

ResourceGroupName : MyResourceGroup

Ttl : 3600

Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

RecordType : A

Records : {1.2.3.4}

Metadata :

IsAutoRegistered :

This command creates a RecordSet at the apex (or root) of the private zone myzone.com. To do this, the record set name is specified as "@" (including the

double-quotes). You cannot create CNAME records at the apex of a zone. This is a constraint of the DNS standards; it is not a limitation of Azure Private DNS. To

create a RecordSet using only one line of pn_PowerShell_short, or to create a record set with multiple records, see Example 1.

---------- Example 9: Create a wildcard Record Set ----------

```
$Records = @()
$Records += New-AzPrivateDnsRecordConfig -Ipv4Address 1.2.3.4
$RecordSet = New-AzPrivateDnsRecordSet -Name "*" -RecordType A -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords $Records
```

```
Id                : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Micros
                    oft.Network/privateDnsZones/myzone.com/A/@
Name              : *
ZoneName          : myzone.com
ResourceGroupName : MyResourceGroup
Ttl               : 3600
Etag              : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
RecordType        : A
Records           : {1.2.3.4}
Metadata          :
IsAutoRegistered  :
```

This command creates a RecordSet named * in the private zone myzone.com. This is a wildcard record set. To create a RecordSet using only one line of

pn_PowerShell_short, or to create a record set with multiple records, see Example 1.

---------- Example 10: Create an empty Record Set ----------

$RecordSet = New-AzPrivateDnsRecordSet -Name "www" -RecordType A -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords @()

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myresourcegroup/providers/Microsoft.Network/privateDnsZones/myzone.com/A/@

Name : *

ZoneName : myzone.com

ResourceGroupName : MyResourceGroup

Ttl : 3600

Etag : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

RecordType : A

Records : {}

Metadata :

IsAutoRegistered :

This command creates a RecordSet named * in the private zone myzone.com. The record set is of type A and has a TTL of 1 hour (3600 seconds). This is an empty record set, which acts as a placeholder to which you can later add records.

Example 11: Create a record set and suppress all confirmation

$RecordSet = New-AzPrivateDnsRecordSet -Name "www" -RecordType A -ResourceGroupName "MyResourceGroup" -TTL 3600 -ZoneName "myzone.com" -PrivateDnsRecords (New-AzDnsRecordConfig -Ipv4Address 1.2.3.4) -Confirm:$False -Overwrite

This command creates a RecordSet. The Overwrite parameter ensures that this record set overwrites any pre-existing record set with the same name and type (existing records in that record set are lost). The Confirm parameter with a value of $False suppresses the confirmation prompt.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.privatedns/new-azprivatednsrecordset