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

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

NAME

New-AzDataProtectionBackupInstance

SYNOPSIS

Configures Backup for supported azure resources

SYNTAX

New-AzDataProtectionBackupInstance -ResourceGroupName <String> -VaultName <String> -BackupInstance <IBackupInstanceResource> [-SubscriptionId <String>] [-Tag <Hashtable>] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-AsJob] [-NoWait] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

Configures Backup for supported azure resources

PARAMETERS

-ResourceGroupName <String>

Resource Group of the backup vault

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-VaultName <String>

Name of the backup vault

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-BackupInstance <IBackupInstanceResource>

Backup instance request object which will be used to configure backup

To construct, see NOTES section for BACKUPINSTANCE properties and create a hash table.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

Subscription Id of the vault

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Tag <Hashtable>

Resource tags

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Break [<SwitchParameter>]

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Proxy <Uri>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-NoWait [<SwitchParameter>]

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Required? false

Position? named

Default value

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

OUTPUTS

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help

about_Hash_Tables.

BACKUPINSTANCE <IBackupInstanceResource>: Backup instance request object which will be used to configure backup

[Tag <IDppProxyResourceTags>]: Proxy Resource tags.

[(Any) <String>]: This indicates any property can be added to this object.

[Property <IBackupInstance>]: BackupInstanceResource properties

DataSourceInfo <IDatasource>: Gets or sets the data source information.

ResourceId <String>: Full ARM ID of the resource. For azure resources, this is ARM ID. For non azure resources, this will be the ID created by backup

service via Fabric/Vault.

[ObjectType <String>]: Type of Datasource object, used to initialize the right inherited type

[ResourceLocation <String>]: Location of datasource.

[ResourceName <String>]: Unique identifier of the resource in the context of parent.

[ResourceType <String>]: Resource Type of Datasource.

[ResourceUri <String>]: Uri of the resource.

[Type <String>]: DatasourceType of the resource.

ObjectType <String>:

PolicyInfo <IPolicyInfo>: Gets or sets the policy information.

PolicyId <String>:

[PolicyParameter <IPolicyParameters>]: Policy parameters for the backup instance

[BackupDatasourceParametersList <IBackupDatasourceParameters[]>]: Gets or sets the Backup Data Source Parameters

ObjectType <String>: Type of the specific object - used for deserializing

[DataStoreParametersList <IDataStoreParameters[]>]: Gets or sets the DataStore Parameters

DataStoreType <DataStoreTypes>: type of datastore; Operational/Vault/Archive

ObjectType <String>: Type of the specific object - used for deserializing

[DataSourceSetInfo <IDatasourceSet>]: Gets or sets the data source set information.

ResourceId <String>: Full ARM ID of the resource. For azure resources, this is ARM ID. For non azure resources, this will be the ID created by backup

service via Fabric/Vault.

[DatasourceType <String>]: DatasourceType of the resource.

[ObjectType <String>]: Type of Datasource object, used to initialize the right inherited type

[ResourceLocation <String>]: Location of datasource.

[ResourceName <String>]: Unique identifier of the resource in the context of parent.

[ResourceType <String>]: Resource Type of Datasource.

[ResourceUri <String>]: Uri of the resource.

[DatasourceAuthCredentials <IAuthCredentials>]: Credentials to use to authenticate with data source provider.

ObjectType <String>: Type of the specific object - used for deserializing

[FriendlyName <String>]: Gets or sets the Backup Instance friendly name.

[IdentityDetail <IIdentityDetails>]: Contains information of the Identity Details for the BI. If it is null, default will be considered as System

Assigned.

[UseSystemAssignedIdentity <Boolean?>]: Specifies if the BI is protected by System Identity.

[UserAssignedIdentityArmUrl <String>]: ARM URL for User Assigned Identity.

[ResourceGuardOperationRequest <String[]>]: ResourceGuardOperationRequests on which LAC check will be performed

[ValidationType <ValidationType?>]: Specifies the type of validation. In case of DeepValidation, all validations from /validateForBackup API will run again.

---------- EXAMPLE 1 ----------

PS C:\>$sub = "xxxx-xxx-xx"

$DiskId = "/subscriptions/{subscription}/resourceGroups/{resourcegroup}/providers/Microsoft.Compute/disks/{diskname}"

$policy = Get-AzDataProtectionBackupPolicy -SubscriptionId $sub -ResourceGroupName sarath-rg -VaultName sarath-vault -Name "MyPolicy"

$instance = Initialize-AzDataProtectionBackupInstance -DatasourceType AzureDisk -DatasourceLocation $vault.Location -PolicyId $policy.Id -DatasourceId $DiskId

$instance.Property.PolicyInfo.PolicyParameter.DataStoreParametersList[0].ResourceGroupId = "/subscriptions/{subscription}/resourceGroups/{resourceGroup}"

New-AzDataProtectionBackupInstance -SubscriptionId $sub -ResourceGroupName sarath-rg -VaultName sarath-vault -BackupInstance $instance

---------- EXAMPLE 2 ----------

PS C:\>$sub = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"

$dataSourceId =

"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroupName/providers/Microsoft.DBforPostgreSQL/servers/OssServerName/databases/DBName"

$secretURI = "https://oss-keyvault.vault.azure.net/secrets/oss-secret"

$vault = Get-AzDataProtectionBackupVault -SubscriptionId $sub -ResourceGroupName "ResourceGroupName" -VaultName $vaultName

$policy = Get-AzDataProtectionBackupPolicy -SubscriptionId $sub -ResourceGroupName "ResourceGroupName" -VaultName "vaultName" -Name "MyPolicy"

$instance = Initialize-AzDataProtectionBackupInstance -DatasourceType AzureDatabaseForPostgreSQL -DatasourceLocation $vault.Location -PolicyId $policy.Id

-DatasourceId $dataSourceId -SecretStoreURI $secretURI -SecretStoreType AzureKeyVault

New-AzDataProtectionBackupInstance -SubscriptionId $sub -ResourceGroupName "ResourceGroupName" -VaultName "vaultName" -BackupInstance $instance

---------- EXAMPLE 3 ----------

PS C:\>$policy = Get-AzDataProtectionBackupPolicy -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -VaultName "vaultName" -ResourceGroupName "resourceGroupName"

| Where-Object {$_.Name -eq "policyName"}

$sourceClusterId =

"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourceGroupName/providers/Microsoft.ContainerService/managedClusters/aks-cluster"

$snapshotResourceGroupId = "/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourceGroupName"

$backupConfig = New-AzDataProtectionBackupConfigurationClientObject -SnapshotVolume $true -IncludeClusterScopeResource $true -DatasourceType AzureKubernetesService

-LabelSelector "x=y","foo=bar"

$backupInstance = Initialize-AzDataProtectionBackupInstance -DatasourceType AzureKubernetesService -DatasourceLocation "eastus" -PolicyId $policy.Id -DatasourceId

$sourceClusterId -SnapshotResourceGroupId $snapshotResourceGroupId -FriendlyName "aks-cluster-friendlyName" -BackupConfiguration $backupConfig

Set-AzDataProtectionMSIPermission -BackupInstance $backupInstance -VaultResourceGroup "resourceGroupName" -VaultName "vaultName" -PermissionsScope "ResourceGroup"

$tag= @{"Owner"="BIOwnerName";"Foo"="Bar";"A"="B"}

$biCreate = New-AzDataProtectionBackupInstance -ResourceGroupName "ResourceGroupName" -VaultName "vaultName" -BackupInstance $backupInstance -SubscriptionId $sub -Tag

$tag

$biCreate

---------- EXAMPLE 4 ----------

PS C:\>$vault = Get-AzDataProtectionBackupVault -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName"

$pol = Get-AzDataProtectionBackupPolicy -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -VaultName "vaultName" -ResourceGroupName "resourceGroupName" |

Where-Object { $_.Name -match "vaultedPolicyName" }

$backupConfig = New-AzDataProtectionBackupConfigurationClientObject -DatasourceType AzureBlob -IncludeAllContainer -StorageAccountResourceGroupName

"resourceGroupName" -StorageAccountName "storageAcountName"

$backupInstanceClientObject = Initialize-AzDataProtectionBackupInstance -DatasourceType AzureBlob -DatasourceLocation $vault.Location -PolicyId $pol[0].Id

-DatasourceId "storageAccId" -BackupConfiguration $backupConfig

Set-AzDataProtectionMSIPermission -VaultResourceGroup "resourceGroupName" -VaultName "vaultName" -BackupInstance $backupInstanceClientObject -PermissionsScope

ResourceGroup

$operationResponse = Test-AzDataProtectionBackupInstanceReadiness -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -SubscriptionId

"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -BackupInstance $backupInstanceClientObject.Property -NoWait

$operationId = $operationResponse.Target.Split("/")[-1].Split("?")[0]

While((Get-AzDataProtectionOperationStatus -OperationId $operationId -Location $vault.Location -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx").Status -eq

"Inprogress"){

Start-Sleep -Seconds 10

}

$backupnstanceCreate = New-AzDataProtectionBackupInstance -ResourceGroupName "resourceGroupName"

-VaultName "vaultName" -SubscriptionId

"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -BackupInstance $backupInstanceClientObject

---------- EXAMPLE 5 ----------

PS C:\>$vault = Get-AzDataProtectionBackupVault -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName"

$pol = Get-AzDataProtectionBackupPolicy -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -VaultName "vaultName" -ResourceGroupName "resourceGroupName" |

Where-Object { $_.DatasourceType -match "mysql" }

$datasourceId = "/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/rgName/providers/Microsoft.DBforMySQL/flexibleServers/test-mysql"

$backupInstanceClientObject = Initialize-AzDataProtectionBackupInstance -DatasourceType AzureDatabaseForMySQL -DatasourceLocation $vault.Location -PolicyId $pol[0].Id

-DatasourceId $datasourceId

Set-AzDataProtectionMSIPermission -VaultResourceGroup "resourceGroupName" -VaultName "vaultName" -BackupInstance $backupInstanceClientObject -PermissionsScope

ResourceGroup

$operationResponse = Test-AzDataProtectionBackupInstanceReadiness -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -SubscriptionId

"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -BackupInstance $backupInstanceClientObject.Property -NoWait

$operationId = $operationResponse.Target.Split("/")[-1].Split("?")[0]

While((Get-AzDataProtectionOperationStatus -OperationId $operationId -Location $vault.Location -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx").Status -eq

"Inprogress"){

Start-Sleep -Seconds 10

}

$backupnstanceCreate = New-AzDataProtectionBackupInstance -ResourceGroupName "resourceGroupName"

-VaultName "vaultName" -SubscriptionId

"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -BackupInstance $backupInstanceClientObject

RELATED LINKS

https://learn.microsoft.com/powershell/module/az.dataprotection/new-azdataprotectionbackupinstance