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

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

NAME

  New-AzMLWorkspace

SYNOPSIS

  Creates or updates a workspace with the specified parameters.

SYNTAX

     New-AzMLWorkspace -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] [-AllowPublicAccessWhenBehindVnet] [-ApplicationInsightId <String>]

   [-ContainerRegistryId <String>] [-CosmoDbCollectionsThroughput <Int32>] [-Description <String>] [-DiscoveryUrl <String>] [-EncryptionStatus <EncryptionStatus>]

    [-EncryptionUserAssignedIdentity <String>] [-FriendlyName <String>] [-HbiWorkspace] [-IdentityType <ManagedServiceIdentityType>] [-IdentityUserAssigned <Hashtable>]

  [-ImageBuildCompute <String>] [-KeyVaultArmId <String>] [-KeyVaultId <String>] [-KeyVaultIdentityClientId <String>] [-KeyVaultKeyIdentifier <String>] [-Location

     <String>] [-PrimaryUserAssignedIdentity <String>] [-PublicNetworkAccess <PublicNetworkAccess>] [-SharedPrivateLinkResource <ISharedPrivateLinkResource[]>]

   [-SkuCapacity <Int32>] [-SkuFamily <String>] [-SkuName <String>] [-SkuSize <String>] [-SkuTier <SkuTier>] [-StorageAccountId <String>] [-Tag <Hashtable>]

[-V1LegacyMode] [-DefaultProfile <PSObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>]

[-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy

<Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

Creates or updates a workspace with the specified parameters.

PARAMETERS

-Name <String>

Name of Azure Machine Learning workspace.

Required?   true

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ResourceGroupName <String>

The name of the resource group.

The name is case insensitive.

Required?   true

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-SubscriptionId <String>

The ID of the target subscription.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-AllowPublicAccessWhenBehindVnet [<SwitchParameter>]

The flag to indicate whether to allow public access when behind VNet.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   false

Accept wildcard characters? false

-ApplicationInsightId <String>

ARM id of the application insights associated with this workspace.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ContainerRegistryId <String>

ARM id of the container registry associated with this workspace.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-CosmoDbCollectionsThroughput <Int32>

The throughput of the collections in cosmosdb database

Required?   false

Position?   named

Default value   0

Accept pipeline input?   false

Accept wildcard characters? false

-Description <String>

The description of this workspace.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-DiscoveryUrl <String>

Url for the discovery service to identify regional endpoints for machine learning experimentation services

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-EncryptionStatus <EncryptionStatus>

Indicates whether or not the encryption is enabled for the workspace.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-EncryptionUserAssignedIdentity <String>

The ArmId of the user assigned identity that will be used to access the customer managed key vault

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-FriendlyName <String>

The friendly name for this workspace.

This name in mutable

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-HbiWorkspace [<SwitchParameter>]

The flag to signal HBI data in the workspace and reduce diagnostic data collected by the service

Required?   false

Position?   named

Default value   False

Accept pipeline input?   false

Accept wildcard characters? false

-IdentityType <ManagedServiceIdentityType>

Type of managed service identity (where both SystemAssigned and UserAssigned types are allowed).

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-IdentityUserAssigned <Hashtable>

The set of user assigned identities associated with the resource.

The userAssignedIdentities dictionary keys will be ARM resource ids in the form:

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/userAssignedId

entities/{identityName}.

The dictionary values can be empty objects ({}) in requests.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ImageBuildCompute <String>

The compute name for image build

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-KeyVaultArmId <String>

The ArmId of the keyVault where the customer owned encryption key is present.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-KeyVaultId <String>

    ARM id of the key vault associated with this workspace.

    This cannot be changed once the workspace has been created

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-KeyVaultIdentityClientId <String>

    For future use - The client id of the identity which will be used to access key vault.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-KeyVaultKeyIdentifier <String>

    Key vault uri to access the encryption key.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-Location <String>

    Specifies the location of the resource.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-PrimaryUserAssignedIdentity <String>

    The user assigned identity resource id that represents the workspace identity.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-PublicNetworkAccess <PublicNetworkAccess>

    Whether requests from Public Network are allowed.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-SharedPrivateLinkResource <ISharedPrivateLinkResource[]>

    The list of shared private link resources in this workspace.

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

    Required?   false

    Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-SkuCapacity <Int32>

    If the SKU supports scale out/in then the capacity integer should be included.

    If scale out/in is not possible for the resource this may be omitted.

    Required?   false

    Position?   named

    Default value   0

    Accept pipeline input?   false

    Accept wildcard characters? false

-SkuFamily <String>

    If the service has different generations of hardware, for the same SKU, then that can be captured here.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-SkuName <String>

    The name of the SKU.

    Ex - P3.

    It is typically a letter+number code

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-SkuSize <String>

The SKU size.

When the name field is the combination of tier and some other value, this would be the standalone code.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-SkuTier <SkuTier>

This field is required to be implemented by the Resource Provider if the service has more than one tier, but is not required on a PUT.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-StorageAccountId <String>

ARM id of the storage account associated with this workspace.

This cannot be changed once the workspace has been created

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-Tag <Hashtable>

Contains resource tags defined as key/value pairs.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-V1LegacyMode [<SwitchParameter>]

   Enabling v1_legacy_mode may prevent you from using features provided by the v2 API.

   Required?   false

   Position?   named

   Default value   False

   Accept pipeline input?   false

   Accept wildcard characters? false

-DefaultProfile <PSObject>

   The credentials, account, tenant, and subscription used for communication with Azure.

   Required?   false

   Position?   named

   Default value

   Accept pipeline input?   false

   Accept wildcard characters? false

-AsJob [<SwitchParameter>]

   Run the command as a job

   Required?   false

   Position?   named

   Default value   False

   Accept pipeline input?   false

   Accept wildcard characters? false

-Break [<SwitchParameter>]

    Wait for .NET debugger to attach

    Required?   false

    Position?   named

    Default value   False

    Accept pipeline input?   false

    Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

    SendAsync Pipeline Steps to be appended to the front of the pipeline

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

    SendAsync Pipeline Steps to be prepended to the front of the pipeline

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-NoWait [<SwitchParameter>]

    Run the command asynchronously

    Required?   false

    Position?   named

Default value   False

Accept pipeline input?   false

Accept wildcard characters? false

-Proxy <Uri>

   The URI for the proxy server to use

   Required?   false

   Position?   named

   Default value

   Accept pipeline input?   false

   Accept wildcard characters? false

-ProxyCredential <PSCredential>

   Credentials for a proxy server to use for the remote call

   Required?   false

   Position?   named

   Default value

   Accept pipeline input?   false

   Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

   Use the default credentials for the proxy

   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

Microsoft.Azure.PowerShell.Cmdlets.MachineLearningServices.Models.Api20220501.IWorkspace

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.

SHAREDPRIVATELINKRESOURCE <ISharedPrivateLinkResource[]>: The list of shared private link resources in this workspace.

[GroupId <String>]: The private link resource group id.

[Name <String>]: Unique name of the private link.

[PrivateLinkResourceId <String>]: The resource id that private link links to.

[RequestMessage <String>]: Request message.

[Status <PrivateEndpointServiceConnectionStatus?>]: Indicates whether the connection has been Approved/Rejected/Removed by the owner of the service.

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

PS C:\>New-AzMLWorkspace -ResourceGroupName ml-rg-test -Name mlworkspace-pwsh01 -Location eastus -ApplicationInsightId

"/subscriptions/9e223dbe-3399-4e19-88eb-0975f02ac87f/resourcegroups/ml-rg-test/providers/microsoft.insights/components/insightsmlworkspace" -KeyVaultId

"/subscriptions/9e223dbe-3399-4e19-88eb-0975f02ac87f/resourcegroups/ml-rg-test/providers/microsoft.keyvault/vaults/kmlworkspace" -StorageAccountId

"/subscriptions/9e223dbe-3399-4e19-88eb-0975f02ac87f/resourcegroups/ml-rg-test/providers/microsoft.storage/storageaccounts/storagemlworkspace01" -IdentityType

'SystemAssigned'

https://learn.microsoft.com/powershell/module/az.machinelearningservices/new-azmlworkspace