



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

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

WARNING: The names of some imported commands from the module 'Az.NetworkCloud.private' include unapproved verbs that might make them less discoverable. To find the

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NAME

New-AzNetworkCloudInitialAgentPoolConfigurationObject

SYNOPSIS

Create an in-memory object for InitialAgentPoolConfiguration.

SYNTAX

```

New-AzNetworkCloudInitialAgentPoolConfigurationObject -Count <Int64> -Mode <AgentPoolMode> -Name <String>
-VMskuName <String>

[-AdministratorConfigurationAdminUsername <String>] [-AdministratorConfigurationSshPublicKey <ISshPublicKey[]>]
[-AgentOptionHugepagesCount <Int64>]

[-AgentOptionHugepagesSize <HugepagesSize>] [-AttachedNetworkConfigurationL2Network
<IL2NetworkAttachmentConfiguration[]>] [-AttachedNetworkConfigurationL3Network
<IL3NetworkAttachmentConfiguration[]>] [-AttachedNetworkConfigurationTrunkedNetwork
<ITrunkedNetworkAttachmentConfiguration[]>] [-AvailabilityZone <String[]>] [-Label
<IKubernetesLabel[]>] [-Taint <IKubernetesLabel[]>] [-UpgradeSettingMaxSurge <String>] [<CommonParameters>]

```

DESCRIPTION

Create an in-memory object for InitialAgentPoolConfiguration.

PARAMETERS

-Count <Int64>

The number of virtual machines that use this configuration.

Required? true

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-Mode <AgentPoolMode>

The selection of how this agent pool is utilized, either as a system pool or a user pool.

System pools run the features and critical services for the Kubernetes Cluster, while user pools are dedicated to user workloads.

Every Kubernetes cluster must contain at least one system node pool with at least one node.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Name <String>

The name that will be used for the agent pool resource representing this agent pool.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-VMSkuName <String>

The name of the VM SKU that determines the size of resources allocated for node VMs.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AdministratorConfigurationAdminUsername <String>

The user name for the administrator that will be applied to the operating systems that run Kubernetes nodes.

If not supplied, a user name will be chosen by the service.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AdministratorConfigurationSshPublicKey <ISshPublicKey[]>

The SSH configuration for the operating systems that run the nodes in the Kubernetes cluster.

In some cases, specification of public keys may be required to produce a working environment.

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

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AgentOptionHugepagesCount <Int64>

The number of hugepages to allocate.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-AgentOptionHugepagesSize <HugepagesSize>

The size of the hugepages to allocate.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AttachedNetworkConfigurationL2Network <IL2NetworkAttachmentConfiguration[]>

The list of Layer 2 Networks and related configuration for attachment.

To construct, see NOTES section for ATTACHEDNETWORKCONFIGURATIONL2NETWORK properties and create a hash table.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-AttachedNetworkConfigurationL3Network <IL3NetworkAttachmentConfiguration[]>

The list of Layer 3 Networks and related configuration for attachment.

To construct, see NOTES section for ATTACHEDNETWORKCONFIGURATIONL3NETWORK properties and create a hash table.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-AttachedNetworkConfigurationTrunkedNetwork <ITrunkedNetworkAttachmentConfiguration[]>

The list of Trunked Networks and related configuration for attachment.

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

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-AvailabilityZone <String[]>

The list of availability zones of the Network Cloud cluster used for the provisioning of nodes in this agent pool.

If not specified, all availability zones will be used.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Label <IKubernetesLabel[]>

The labels applied to the nodes in this agent pool.
To construct, see NOTES section for LABEL properties and create a hash table.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Taint <IKubernetesLabel[]>

The taints applied to the nodes in this agent pool.
To construct, see NOTES section for TAINT properties and create a hash table.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-UpgradeSettingMaxSurge <String>

The maximum number or percentage of nodes that are surged during upgrade.
This can either be set to an integer (e.g.
'5') or a percentage (e.g.
'50%').
If a percentage is specified, it is the percentage of the total agent pool size at the time of the upgrade.
For percentages, fractional nodes are rounded up.

If not specified, the default is 1.

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

INPUTS

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.NetworkCloud.Models.Api20230701.InitialAgentPoolConfiguration

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](#).

ADMINISTRATORCONFIGURATIONSSHPUBLICKEY <ISshPublicKey[]>: The SSH configuration for the operating systems that run the nodes in the Kubernetes cluster. In some

cases, specification of public keys may be required to produce a working environment.

KeyData <String>: The SSH public key data.

ATTACHEDNETWORKCONFIGURATIONL2NETWORK <IL2NetworkAttachmentConfiguration[]>: The list of Layer 2 Networks and related configuration for attachment.

NetworkId <String>: The resource ID of the network that is being configured for attachment.

[PluginType <KubernetesPluginType?>]: The indicator of how this network will be utilized by the Kubernetes cluster.

ATTACHEDNETWORKCONFIGURATIONL3NETWORK <IL3NetworkAttachmentConfiguration[]>: The list of Layer 3 Networks and related configuration for attachment.

NetworkId <String>: The resource ID of the network that is being configured for attachment.

[IpamEnabled <L3NetworkConfigurationIpamEnabled?>]: The indication of whether this network will or will not perform IP address management and allocate IP addresses when attached.

[PluginType <KubernetesPluginType?>]: The indicator of how this network will be utilized by the Kubernetes cluster.

ATTACHEDNETWORKCONFIGURATIONTRUNKEDNETWORK <ITrunkedNetworkAttachmentConfiguration[]>: The list of Trunked Networks and related configuration for attachment.

NetworkId <String>: The resource ID of the network that is being configured for attachment.

[PluginType <KubernetesPluginType?>]: The indicator of how this network will be utilized by the Kubernetes cluster.

LABEL <IKubernetesLabel[]>: The labels applied to the nodes in this agent pool.

Key <String>: The name of the label or taint.

Value <String>: The value of the label or taint.

TAINT <IKubernetesLabel[]>: The taints applied to the nodes in this agent pool.

Key <String>: The name of the label or taint.

Value <String>: The value of the label or taint.

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

```
New-AzNetworkCloudInitialAgentPoolConfigurationObject -Count <Int64>-Mode <AgentPoolMode> -Name <String>
-VMSkuName <String> -AdministratorConfigurationAdminUsername
    <String> -AdministratorConfigurationSshPublicKey <ISshPublicKey[]> -AgentOptionHugepagesCount <Int64>
-AgentOptionHugepagesSize <HugepagesSize>
```


-AttachedNetworkConfigurationL2Network <IL2NetworkAttachmentConfiguration[]>
-AttachedNetworkConfigurationL3Network <IL3NetworkAttachmentConfiguration[]>
-AttachedNetworkConfigurationTrunkedNetwork <ITrunkedNetworkAttachmentConfiguration[]> -AvailabilityZone
<String[]> -Label <IKubernetesLabel[]> -Taint
<IKubernetesLabel[]> -UpgradeSettingMaxSurge <String>

RELATED LINKS

<https://learn.microsoft.com/powershell/module/Az.NetworkCloud/new-AzNetworkCloudInitialAgentPoolConfigurationObject>