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#

# NAME: Planned Recompositions

#

# AUTHOR: DAAS

#

# COMMENT: VDI - Recompose

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# VERSION HISTORY:

# 2.0 30/08/2022 - Updated release

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######### Liste des vCenters #####################

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. "D:\Modules\Connect\_HvServer\_Param.ps1"

$VCtab = New-Object System.Collections.ArrayList

########################################################################

######### Requ^tes vRO ####################

########################################################################

$sortie = @()

$sortie += ""

$sortie += "-----------------------------------------------"

$sortie += " LAUNCHED RECOMPOSITIONS "

$sortie += "-----------------------------------------------"

$sortie += ""

################################################################################################################

######### Recupération Pools à Recomposer généré par le script : Pools\_Recomposition\_Status #####################

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$dateInit = Get-Date

#$datefile = (Get-Item "D:\Scripts\DaaSFE\Recompose\Recomposepool.csv").LastWriteTime

$PoolToRecompose = @(Import-CSV "D:\Scripts\LGU\DaasFE\Recompose\Recomposepool.csv")

#$exceptionFile = "D:\\_DaaS\_Scheduled\_Tasks\Recomposition\exceptions.txt"

#$exceptions = Get-Content -Path $exceptionFile

$step = 10 # minutes

$maxRecompoByVCenter = 50

$orchestratorWorkflowId = "128c3dfb-d7ce-4b9a-b279-858ff896caf5"

$urlOrchestrator = "<https://fr0-vsdaas-p114.eu.airbus.corp:8281/vco/api/workflows/>"+$orchestratorWorkflowId+"/executions"

$credpass = Get-Plaintext $cred.password

$NonEncoded = $cred.UserName+":" + $credpass

$base64AuthInfo = [Convert]::ToBase64String([Text.Encoding]::ASCII.GetBytes(($NonEncoded)))

$NonEncoded =""

$Headers = @{

Authorization = "Basic $base64AuthInfo"

}

####Requête vRO

function generateData($poolId, $dateRecompo, $datePatch)

{

$data = '{"parameters":[{"value":{"array":{"elements":[{"string":{"value":"'+$poolId+'"}}]}},"type":"Array\/string","name":"pools","scope":"local"},{"value":{"date":{"value":"'+$datePatch+'"}},"type":"date","name":"patchDate","scope":"local"},{"value":{"date":{"value":"'+$dateRecompo+'"}},"type":"date","name":"recompositionDate","scope":"local"},{"value":{"string":{"value":"'+$poolId+'"}},"type":"string","name":"pool","scope":"local"},{"value":{"boolean":{"value":"true"}},"type":"boolean","name":"isSecurityPatch","scope":"local"},{"value":{"string":{"value":"1.0"}},"type":"string","name":"snapshotVersion","scope":"local"},{"value":{"string":{"value":"Re-apply"}},"type":"string","name":"mailPolicy","scope":"local"}]}'

return $data

}

$maintenances = @()

foreach ($broker in $brokers){

$conn = Connect-HVServer -Server $broker -Credential $cred -Domain "eu" -Force

################################### Get vCenter ID #########

. "D:\\_DaaS\_Scheduled\_Tasks\Modules\Get-Vcenter\_from ID.ps1" ######### get-VcenterName par ID #####################

$maintenances += Get-HVMachine -state MAINTENANCE -HVServer $conn | Select-Object -ExpandProperty Base

}

foreach($VC in $VCtab)

{

$startPatch = Get-date -Format "2024-06-18 08:00:00" #yyyy-mm-dd , 24 hr , CET

$startRecompo = Get-date -Format "2024-06-18 22:30:00" #yyyy-mm-dd , 24 hr , CET

$cpt=1

foreach($pool in $PoolToRecompose){

if ($pool.vcenter -eq $VC.name -and $pool.vcenter -ne "fr0-vsdaas-p130.eu.airbus.corp" -and $pool.vcenter -ne "fr0-vsdaas-p131.eu.airbus.corp"){

$datePatchInit = $startPatch

$dateInit = $startRecompo

if ($cpt -le $maxRecompoByVCenter -and $maintenances.name -contains $pool.master)

{

$date = (Get-Date $dateInit).addminutes($step \* $cpt)

$patchDate = (Get-Date $datePatchInit).addminutes($step \* $cpt)

$gmt = Get-Date -Format zz00

$dateOrchestrator = (Get-Date $date -Format o).Replace('.0000000', '')

$dateOrchestrator += $gmt

$patchDateOrchestrator = (Get-Date $patchDate -Format o).Replace('.0000000', '')

$patchDateOrchestrator += $gmt

$poolname= $pool.name

#$data = generateData $poolname $dateOrchestrator $patchDateOrchestrator

$data

$sortie += $pool.name+' - '+ $pool.vCenter +' - '+ 'PatchMasterDate:' +' '+ (Get-Date $patchDateOrchestrator -Format "dd/MM/yyyy HH:mm") +' - '+ 'RecompoDate:' +' '+ (Get-Date $dateOrchestrator -Format "dd/MM/yyyy HH:mm")

#$sortie += ""

$cpt = $cpt+1

#ORCHESTRATOR PART START

$data = generateData $poolname $dateOrchestrator $patchDateOrchestrator

Invoke-WebRequest -Uri $urlOrchestrator -Headers $Headers -Method Post -Body $data -ContentType 'application/json'

#ORCHESTRATOR PART END

}

}

}

}

$sortie += ""

$sortie += "-----------------------------------------------"

#$sortie += " EXCLUDED RECOMPOSITIONS (Exceptions.txt) "

$sortie += "-----------------------------------------------"

#$sortie += $exceptions

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######### Mail et LOG ##############################################

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$date = Get-Date -format dd-MM-yyyy

$logfilename = $date + "\_recompo\_Automatic.txt"

$logfile = "D:\Scripts\LGU\DaasFE\Recompose\Logs\" + $logfilename

$smtp = "smtp.airbus.corp"

$smtpDev = "novmail.ham.de.eu.airbus.corp"

$from = "Recomposition status <no-reply@airbus.com>"

$to = "kezia.daryl.external@airbus.com, lenin.gunasekaran.external@airbus.com, gokulkannan.krishnamoorthi.external@airbus.com"

$subject = "DaaS 2.0 LAUNCHED RECOMPOSITIONS\_Script - "+$date

$sortie | Out-File $logFile

Send-MailMessage -SmtpServer $smtp -To $to -From $from -Subject $subject -Attachments $logfile -Body "LAUNCHED RECOMPOSITIONS - File Attached" -BodyAsHtml

$sortie

DisConnect-HVServer -Server $brokers -Confirm:$false