install powershell module

puppet module install puppetlabs-powershell

Under modules/module name/manifests folder create manifest file,password [is encrypted with Hiera](https://geekdudes.wordpress.com/2018/11/01/installing-domain-controller-using-puppet/),after machine is joined to domain, it will be rebooted.

class domain\_membership (

$domain = 'ad.contoso.com',

$username = 'administrator',

$password = lookup('password'),

$secure\_password = false,

$machine\_ou = 'OU=test,DC=ad,DC=contoso,DC=com',

){

$code = " \

\$secStr=ConvertTo-SecureString '${password}' -AsPlainText -Force; \

if (-not \$?) { \

write-error 'Error: Unable to convert password string to a secure string'; \

exit 10; \

} \

\$creds=New-Object System.Management.Automation.PSCredential( '${username}', \$secStr ); \

if (-not \$?) { \

write-error 'Error: Unable to create PSCredential object'; \

exit 20; \

} \

Add-Computer -DomainName ${domain} -OUPath $\_machine\_ou -Restart -Force -Cred \$creds; \

if (-not \$?) { \

write-error 'Error: Unable to join domain'; \

exit 30; \

} \

exit 0"

#

# Use the Josh Cooper PowerShell provider

#

exec { 'join\_domain':

command => $code,

provider => powershell,

logoutput => true,

unless => "if ((Get-WMIObject Win32\_ComputerSystem).Domain -ne '${domain}') { exit 1 }",

}

}