Active Directory Coexistence between an existing On-Premise Domain Controller and a CloudConnect Private Domain

In this example, we will demonstrate how to create a Private Domain on CloudConnect, which replicates with an existing on-premise Active Directory Domain. This greatly reduces the risk and time to migrate complex existing environments or use CloudConnect as a hybrid solution

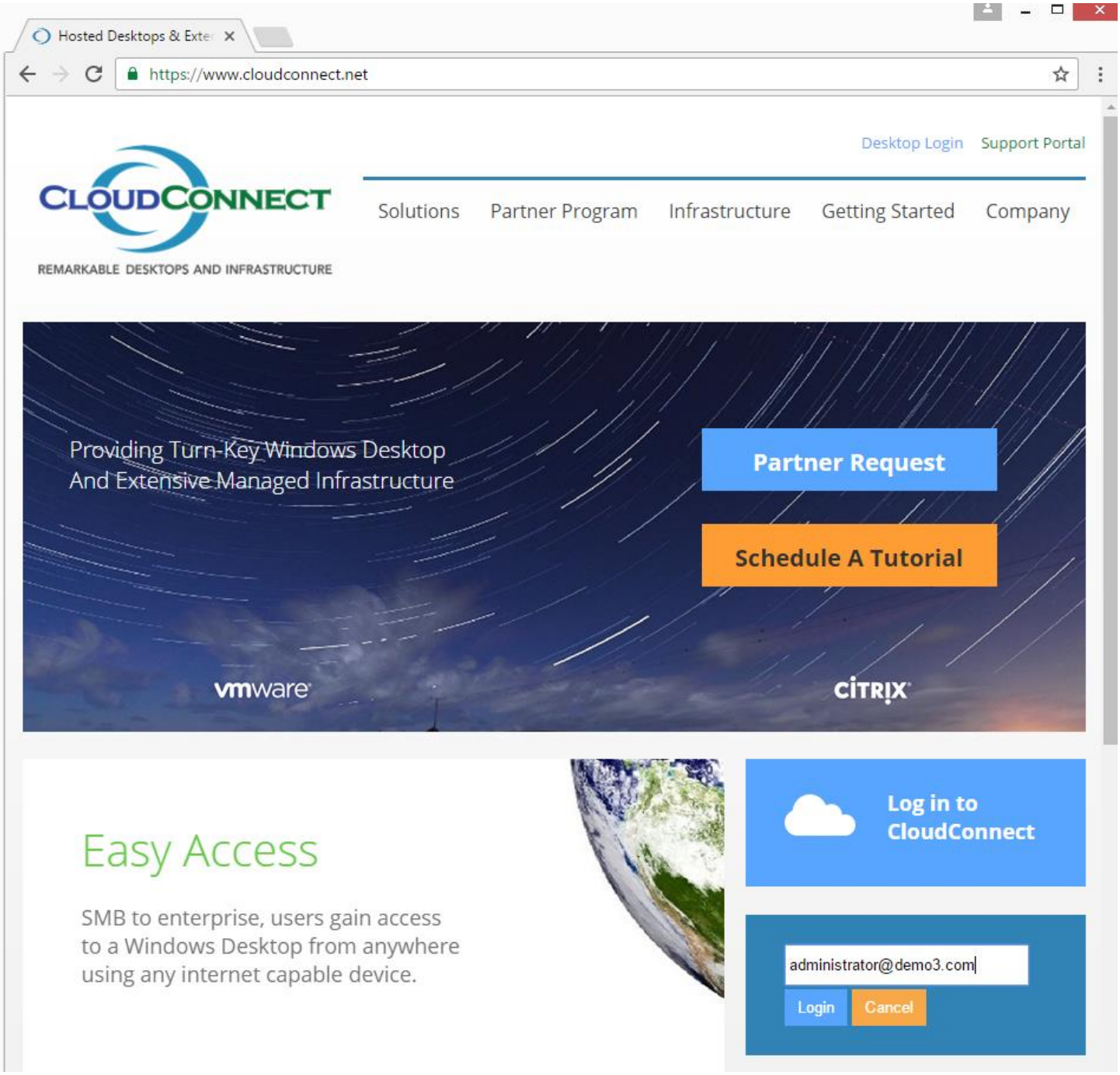
This procedure requires a working knowledge of managing Active Directory Domain Services as well as VPN/IPSec tunnels.

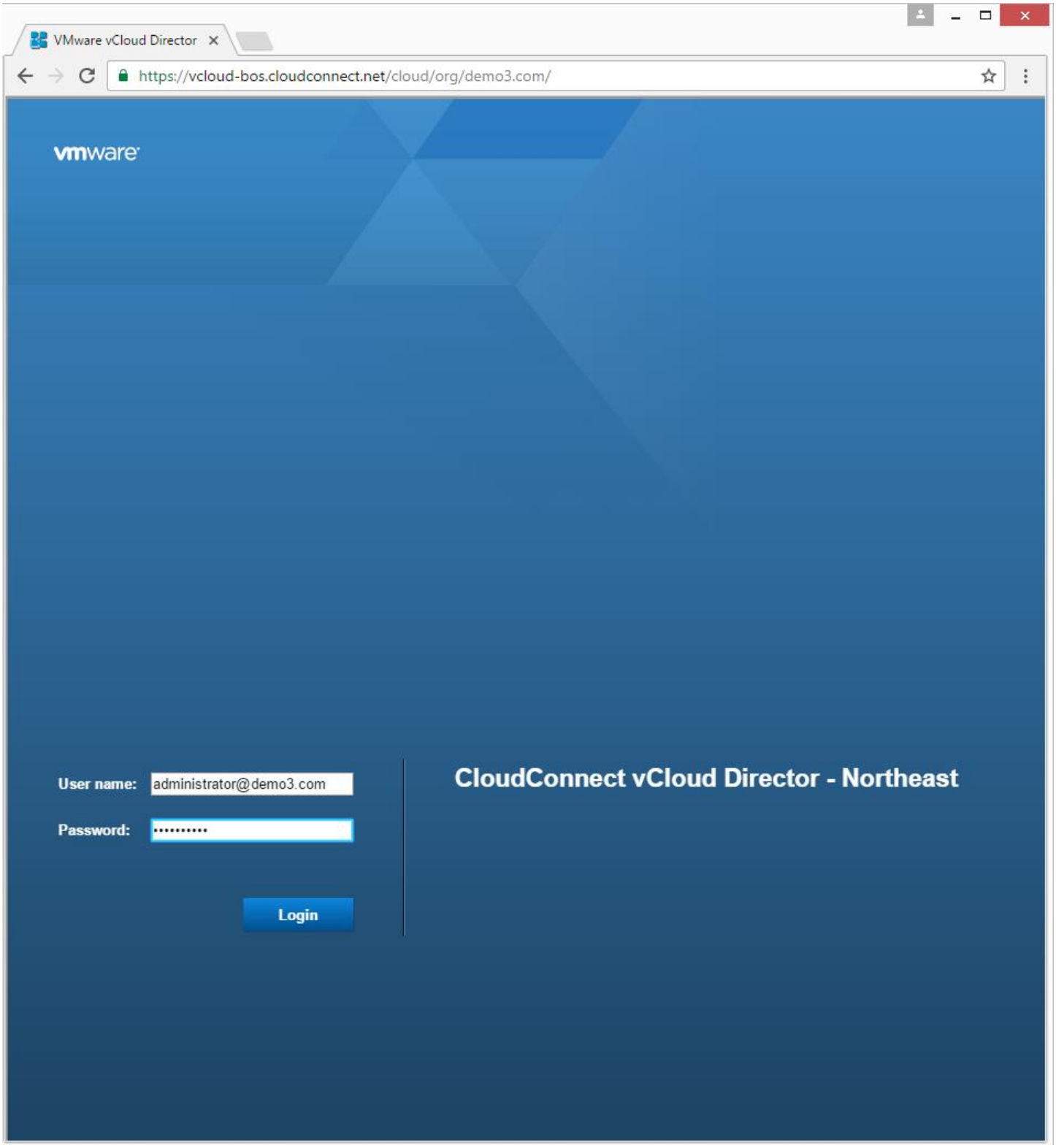
This procedure requires an on premise VPN capable firewall. In this example we use a SonicWALL NSA running SonicOS.

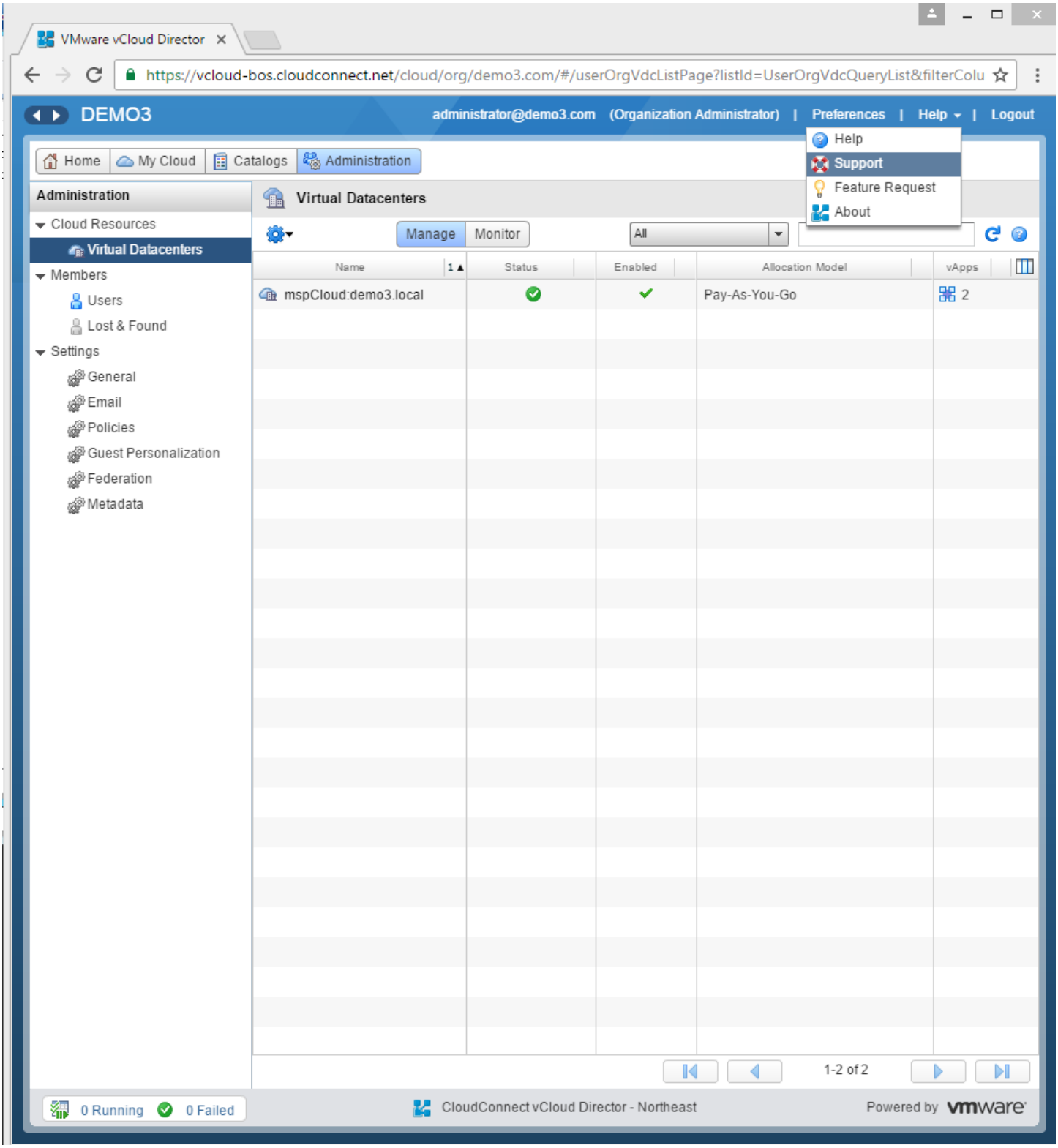
This procedure takes approximately 2 hours to complete. After running through this procedure, existing user accounts in the existing domain will be able to logon to CloudConnect using their existing Active Directory Identity, username and password.

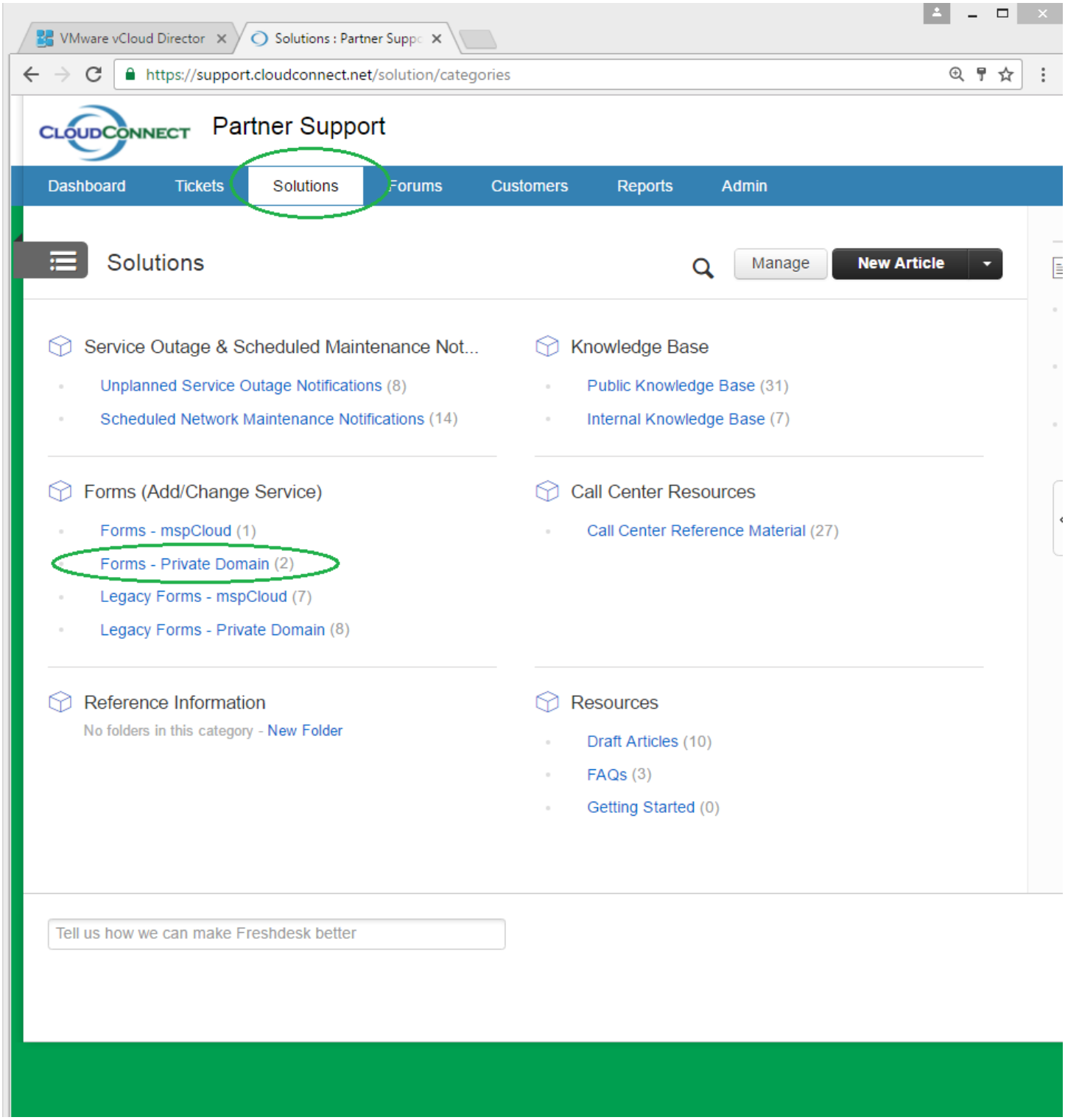
Once authenticated on either side of the VPN tunnel, the user will not be prompted for authentication between on premise and Cloud resources, as Kerberos authentication will be used.

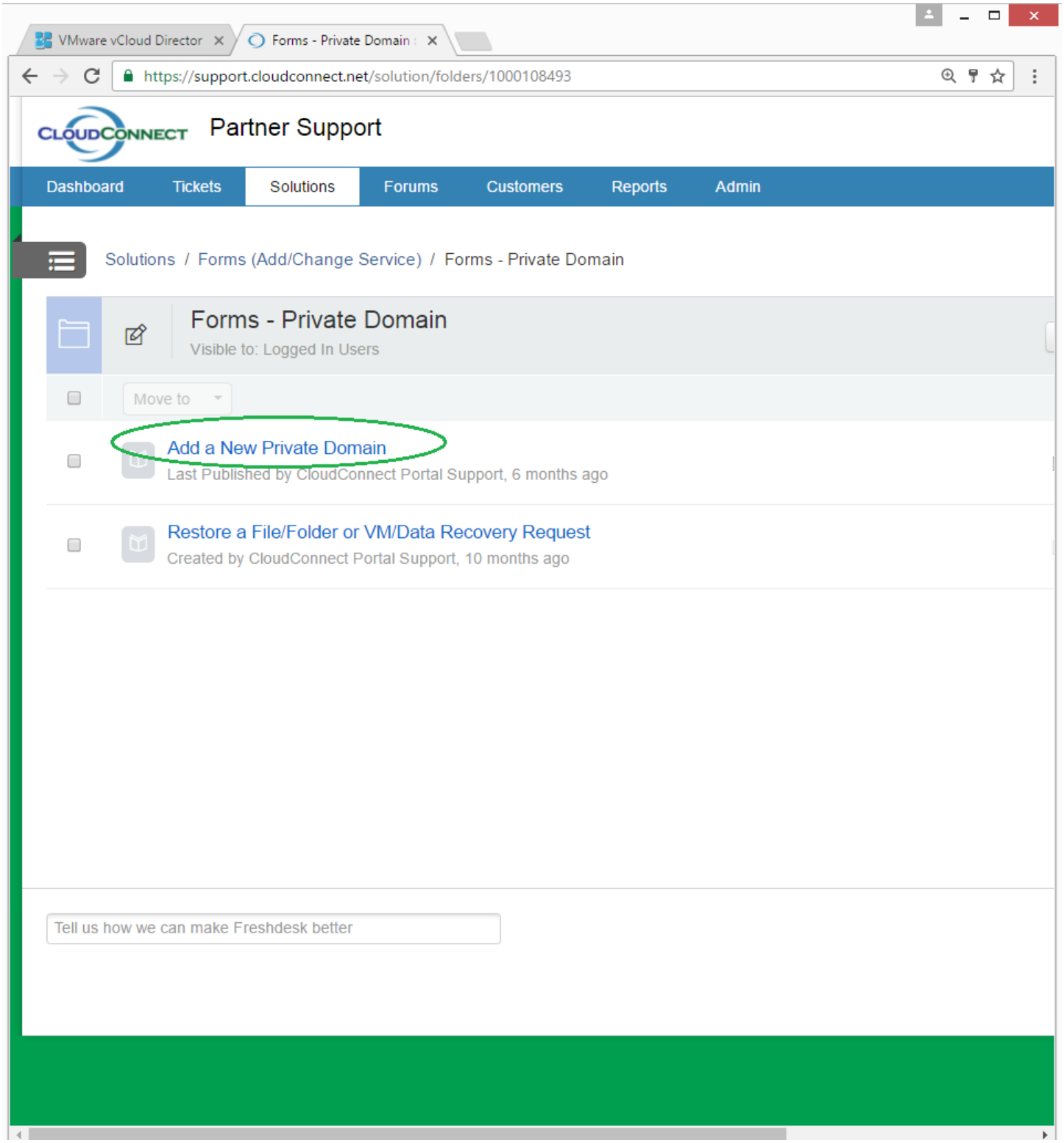
Updated October, 2016

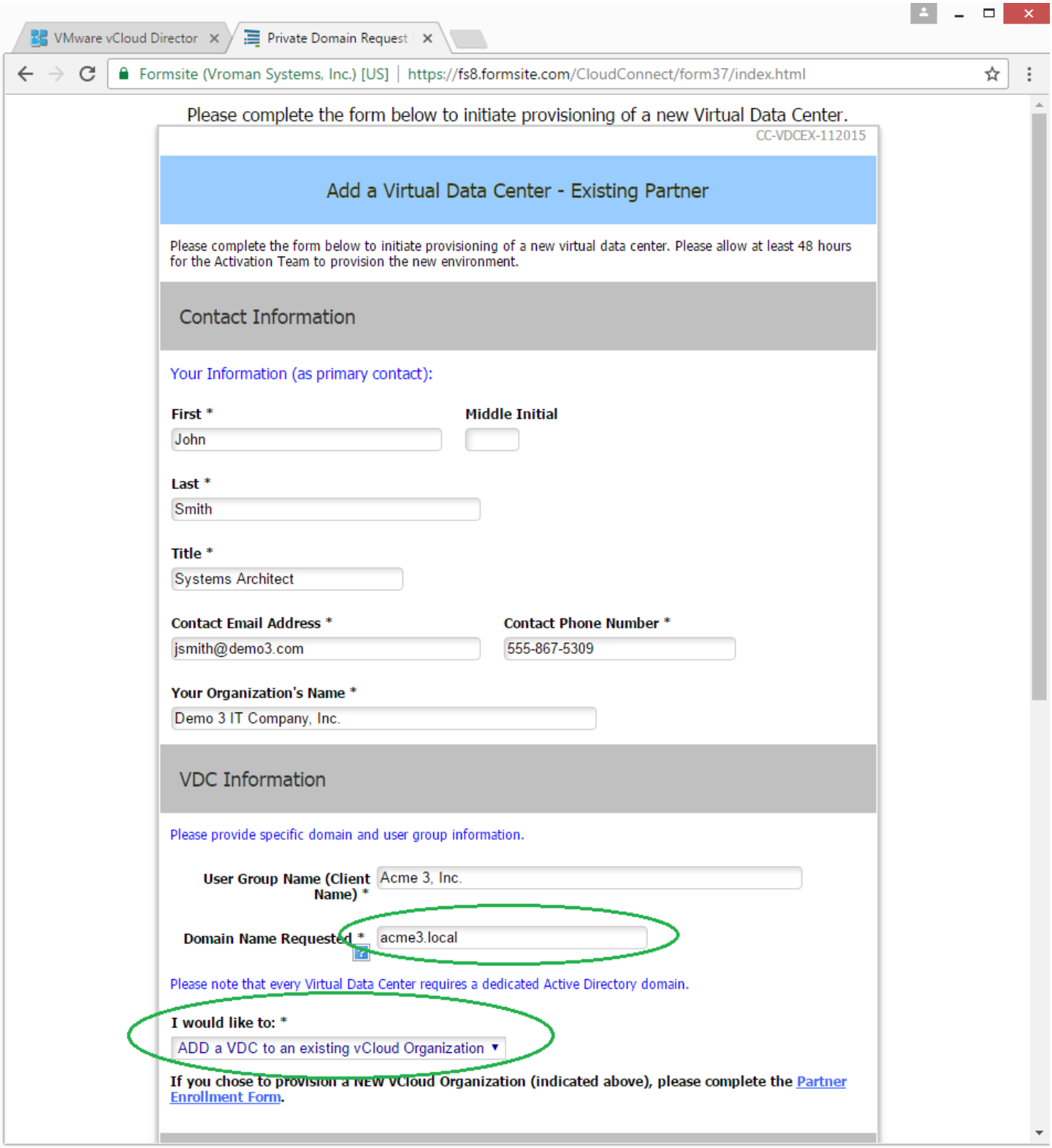

Hosted Desktops & Exte
https://www.cloudconnect.net
Desktop Login
Support Portal
CLOUDCONNECT
REMARKABLE DESKTOPS AND INFRASTRUCTURE
Solutions
Partner Program
Infrastructure
Getting Started
Company
Providing Turn-Key Windows Desktop
And Extensive Managed Infrastructure
Partner Request
Schedule A Tutorial
vmware
CITRIX
Easy Access
SMB to enterprise, users gain access to a Windows Desktop from anywhere using any internet capable device.
Log in to CloudConnect
administrator@demo3.com
Login
Cancel

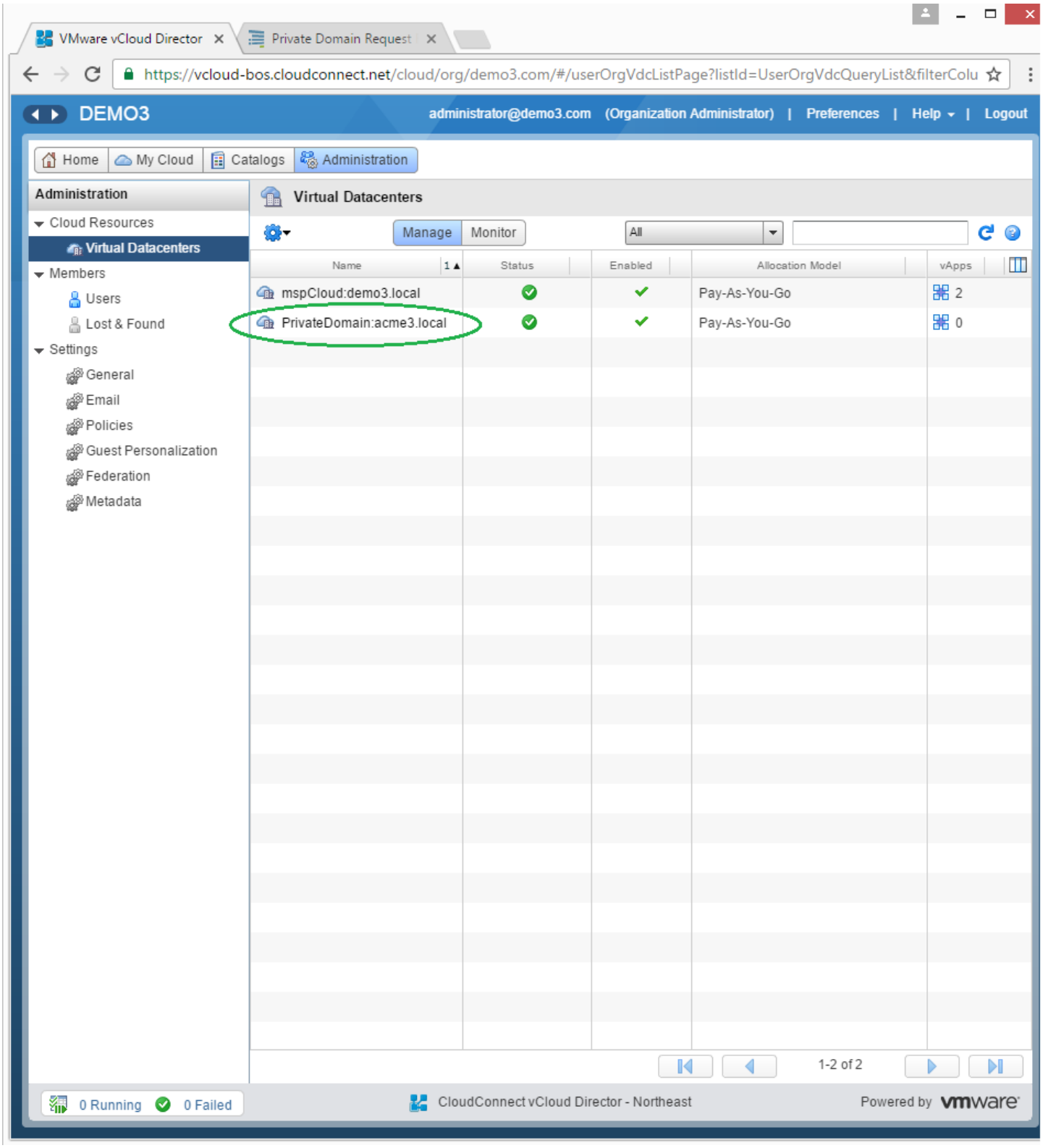

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/
vmware
User name:
administrator@demo3.com
Password:
Login
CloudConnect vCloud Director - Northeast

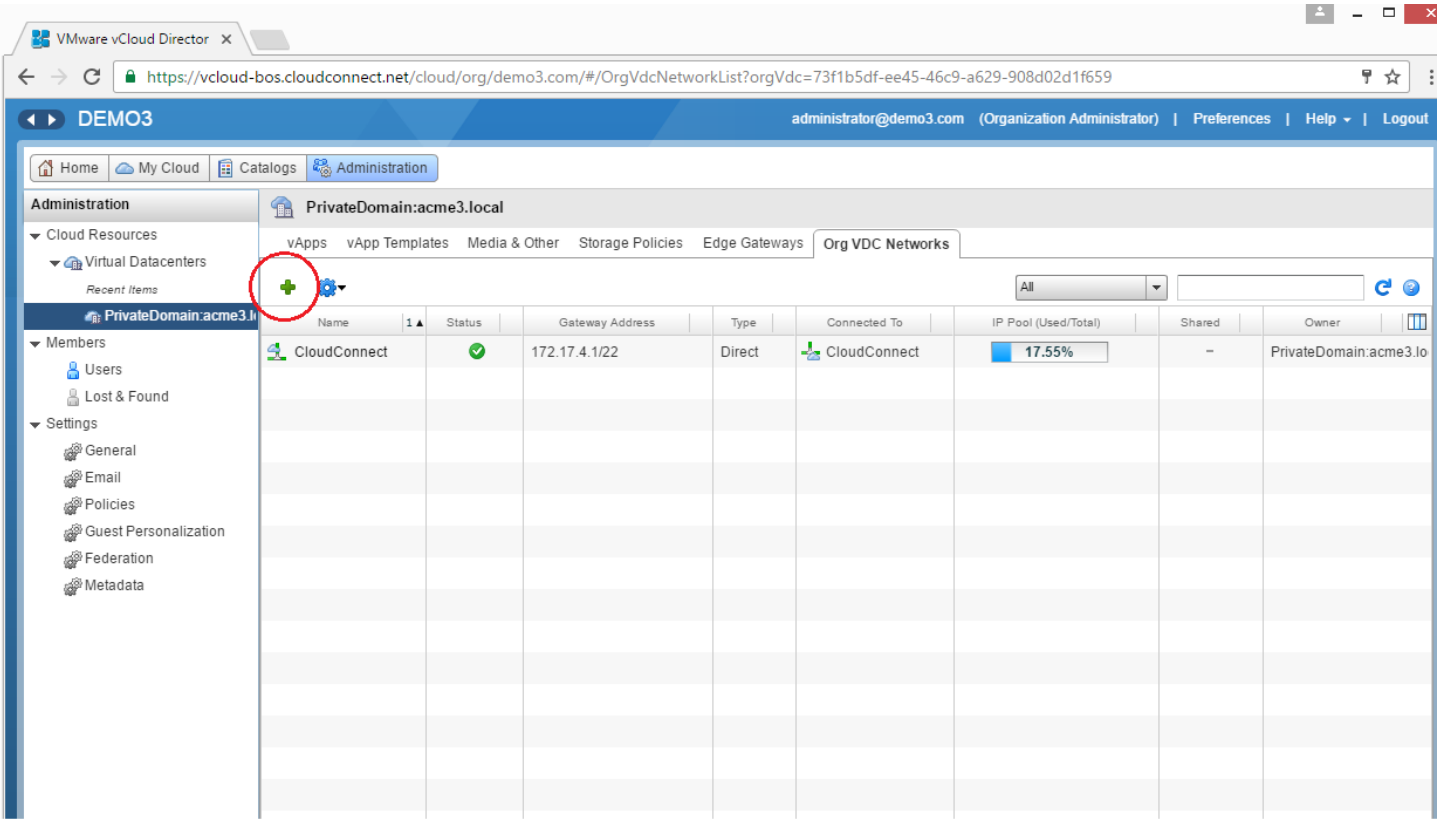

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/userOrgVdcListPage?listId=UserOrgVdcQueryList&filterColu
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help | Logout
Help
Support
Feature Request
About
Home
My Cloud
Catalogs
Administration
Administration
Cloud Resources
Virtual Datacenters
Members
Users
Lost & Found
Settings
General
Email
Policies
Guest Personalization
Federation
Metadata
Virtual Datacenters
Manage
Monitor
All
Name
Status
Enabled
Allocation Model
vApps
mspCloud:demo3.local
Pay-As-You-Go
2
1-2 of 2
0 Running
0 Failed
CloudConnect vCloud Director - Northeast
Powered by vmware

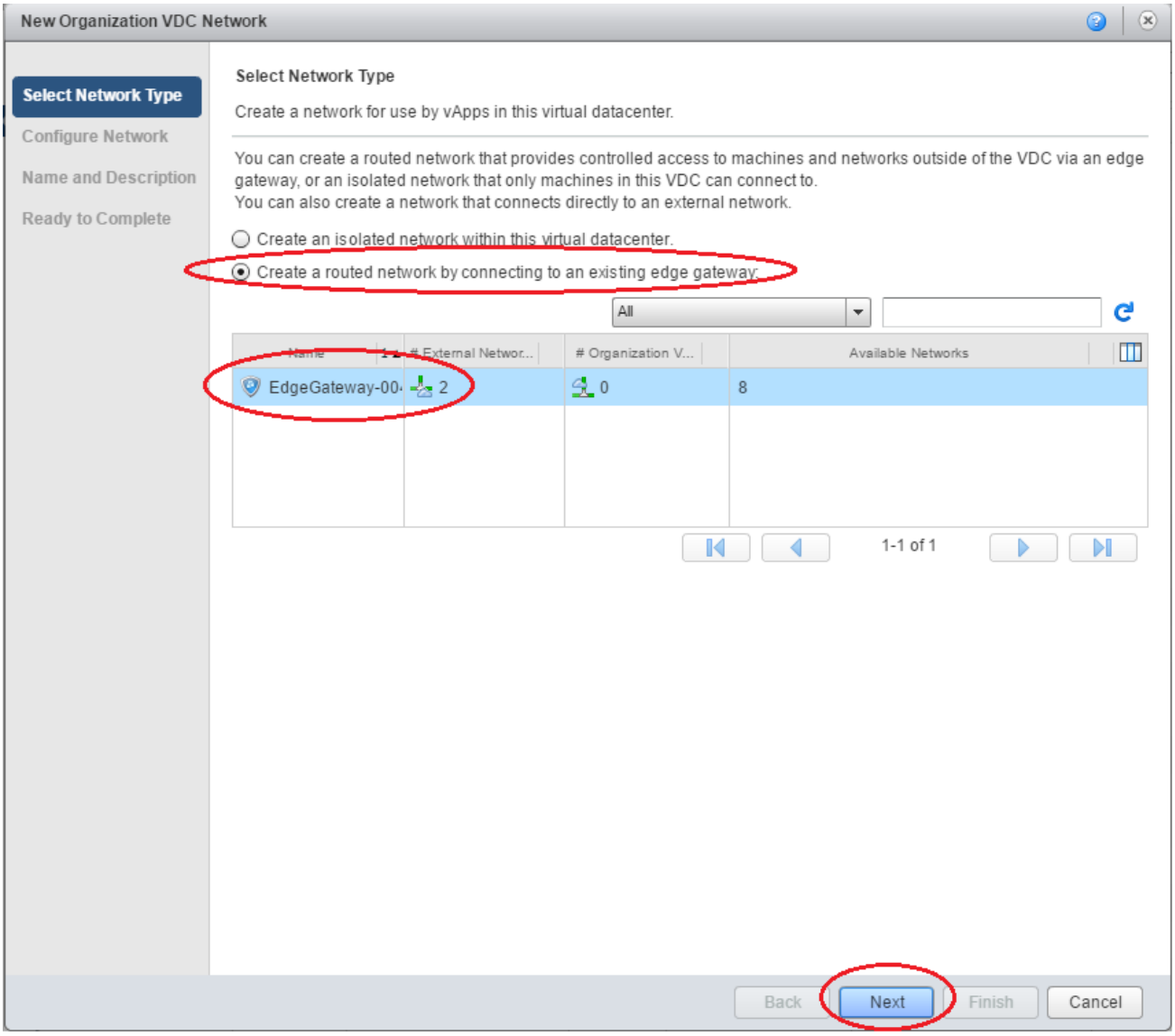

VMware vCloud Director
Solutions : Partner Supp
https://support.cloudconnect.net/solution/categories
CLOUDCONNECT
Partner Support
Dashboard
Tickets
Solutions
Forums
Customers
Reports
Admin
Solutions
Manage
New Article
Service Outage & Scheduled Maintenance Not...
Unplanned Service Outage Notifications (8)
Scheduled Network Maintenance Notifications (14)
Knowledge Base
Public Knowledge Base (31)
Internal Knowledge Base (7)
Forms (Add/Change Service)
Forms - mspCloud (1)
Forms - Private Domain (2)
Legacy Forms - mspCloud (7)
Legacy Forms - Private Domain (8)
Call Center Resources
Call Center Reference Material (27)
Reference Information
No folders in this category - New Folder
Resources
Draft Articles (10)
FAQs (3)
Getting Started (0)
Tell us how we can make Freshdesk better

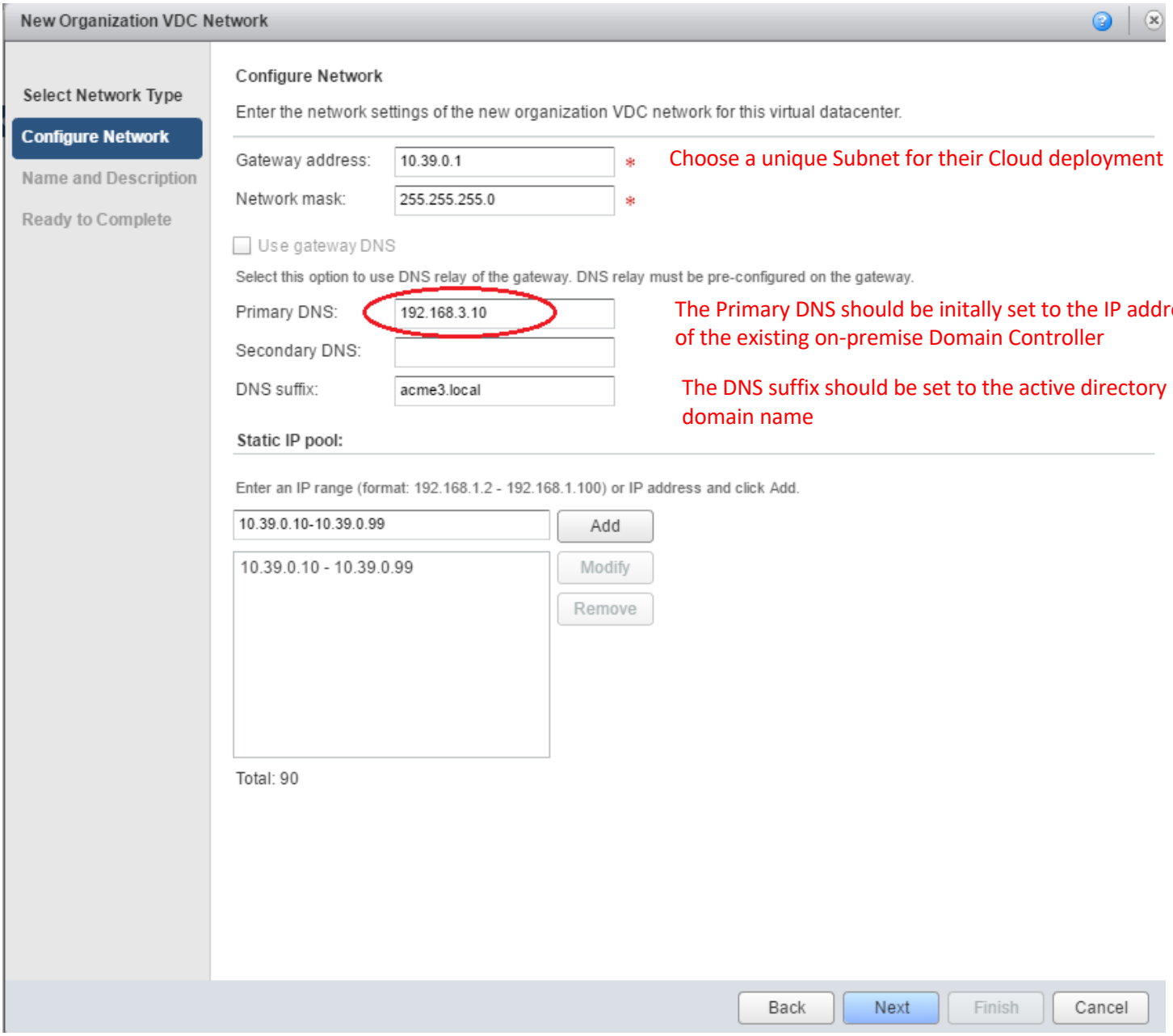

VMware vCloud Director
Forms - Private Domain
https://support.cloudconnect.net/solution/folders/1000108493
CLOUDCONNECT
Partner Support
Dashboard
Tickets
Solutions
Forums
Customers
Reports
Admin
Solutions / Forms (Add/Change Service) / Forms - Private Domain
Forms - Private Domain
Visible to: Logged In Users
Move to
Add a New Private Domain
Last Published by CloudConnect Portal Support, 6 months ago
Restore a File/Folder or VM/Data Recovery Request
Created by CloudConnect Portal Support, 10 months ago
Tell us how we can make Freshdesk better

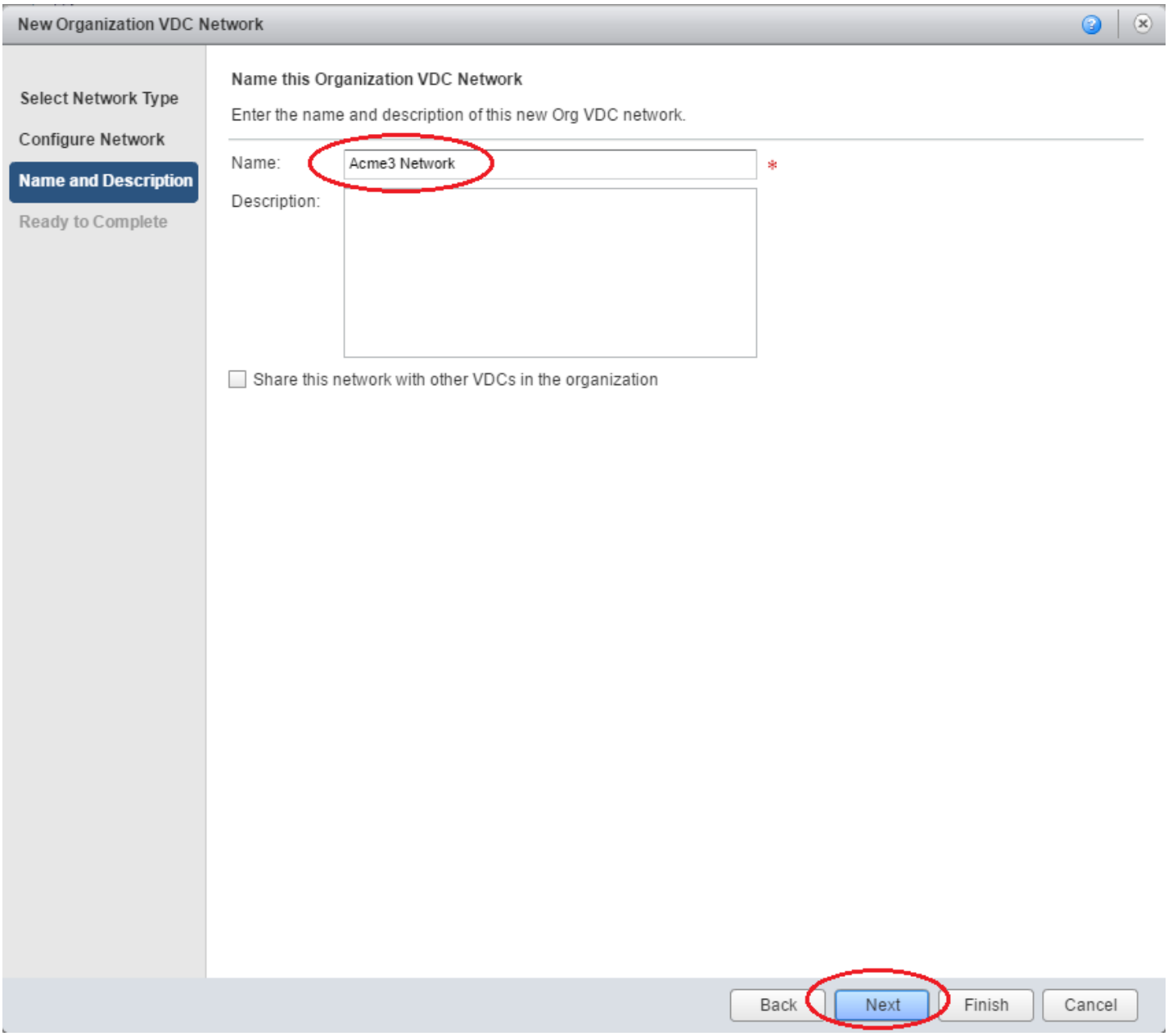

VMware vCloud Director
Private Domain Request
Formsite (Vroman Systems, Inc.) [US] | https://fs8.formsite.com/CloudConnect/form37/index.html
Please complete the form below to initiate provisioning of a new Virtual Data Center.
CC-VDCEX-112015
Add a Virtual Data Center - Existing Partner
Please complete the form below to initiate provisioning of a new virtual data center. Please allow at least 48 hours for the Activation Team to provision the new environment.
Contact Information
Your Information (as primary contact):
First *
John
Middle Initial
Last *
Smith
Title *
Systems Architect
Contact Email Address *
jsmith@demo3.com
Contact Phone Number *
555-867-5309
Your Organization's Name *
Demo 3 IT Company, Inc.
VDC Information
Please provide specific domain and user group information.
User Group Name (Client Name) *
Acme 3, Inc.
Domain Name Requested *
acme3.local
Please note that every Virtual Data Center requires a dedicated Active Directory domain.
I would like to: *
ADD a VDC to an existing vCloud Organization
If you chose to provision a NEW vCloud Organization (indicated above), please complete the Partner Enrollment Form.

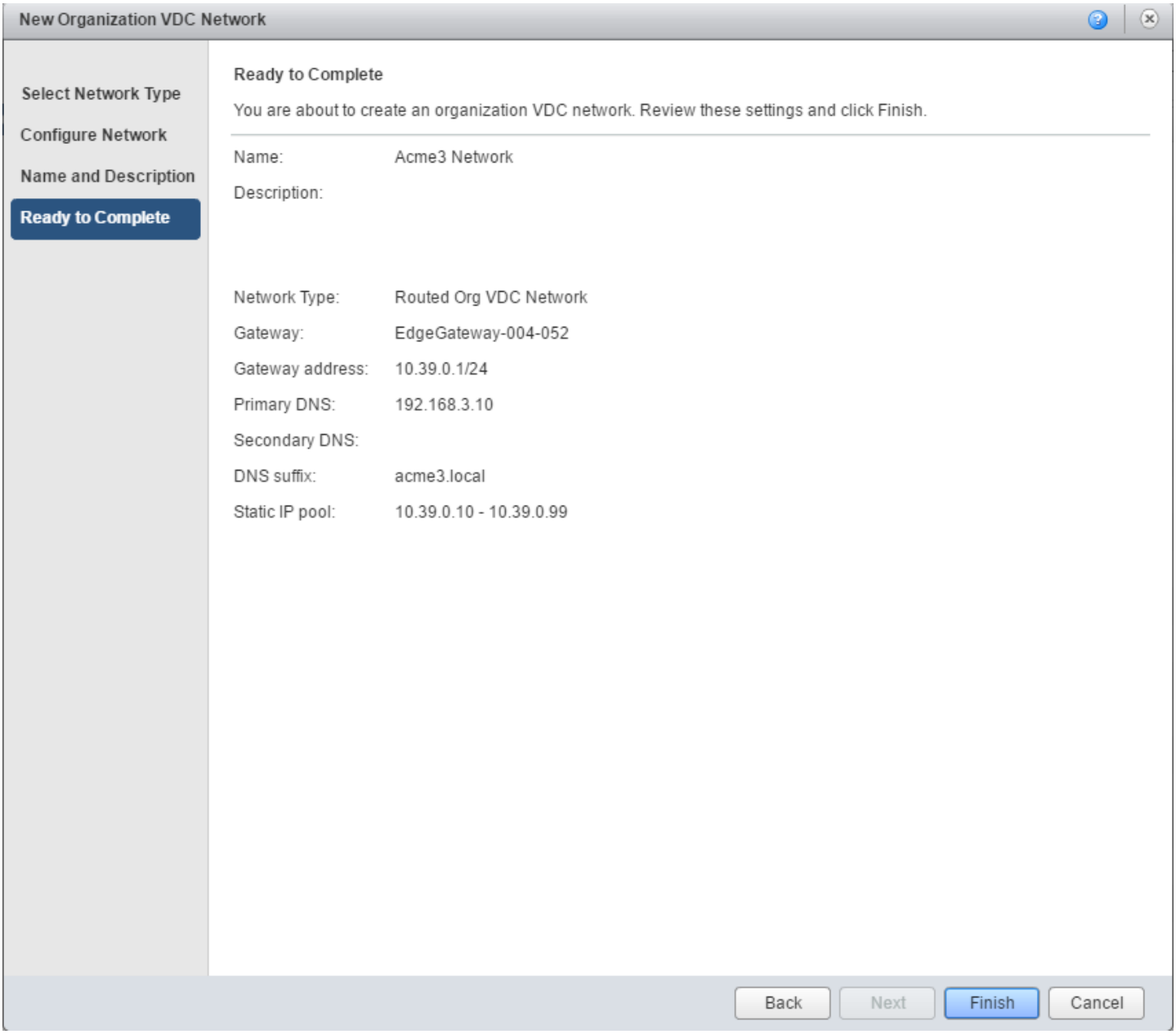

VMware vCloud Director
Private Domain Request
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/userOrgVdcListPage?listId=UserOrgVdcQueryList&filterColu
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help | Logout
Home
My Cloud
Catalogs
Administration
Administration
Cloud Resources
Virtual Datacenters
Members
Users
Lost & Found
Settings
General
Email
Policies
Guest Personalization
Federation
Metadata
Virtual Datacenters
Manage
Monitor
All
Name
Status
Enabled
Allocation Model
vApps
mspCloud:demo3.local
Pay-As-You-Go
2
PrivateDomain:acme3.local
Pay-As-You-Go
0
1-2 of 2
0 Running
0 Failed
CloudConnect vCloud Director - Northeast
Powered by vmware

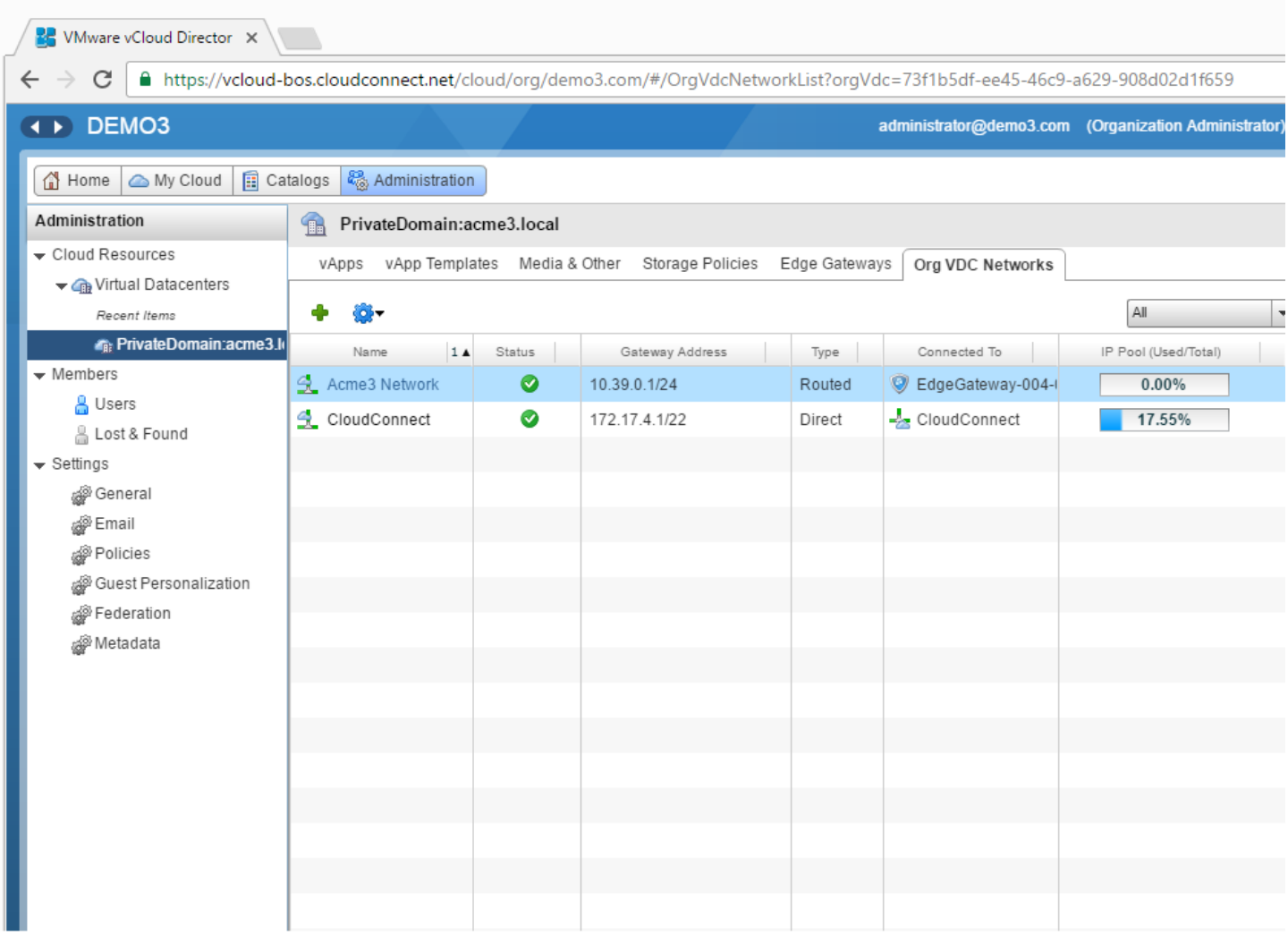

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/OrgVdcNetworkList?orgVdc=73f1b5df-ee45-46c9-a629-908d02d1f659
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help | Logout
Home
My Cloud
Catalogs
Administration
Administration
Cloud Resources
Virtual Datacenters
Recent Items
PrivateDomain:acme3.l
Members
Users
Lost & Found
Settings
General
Email
Policies
Guest Personalization
Federation
Metadata
PrivateDomain:acme3.local
vApps
vApp Templates
Media & Other
Storage Policies
Edge Gateways
Org VDC Networks
All
Name
Status
Gateway Address
Type
Connected To
IP Pool (Used/Total)
Shared
Owner
CloudConnect
172.17.4.1/22
Direct
CloudConnect
17.55%
–
PrivateDomain:acme3.lo

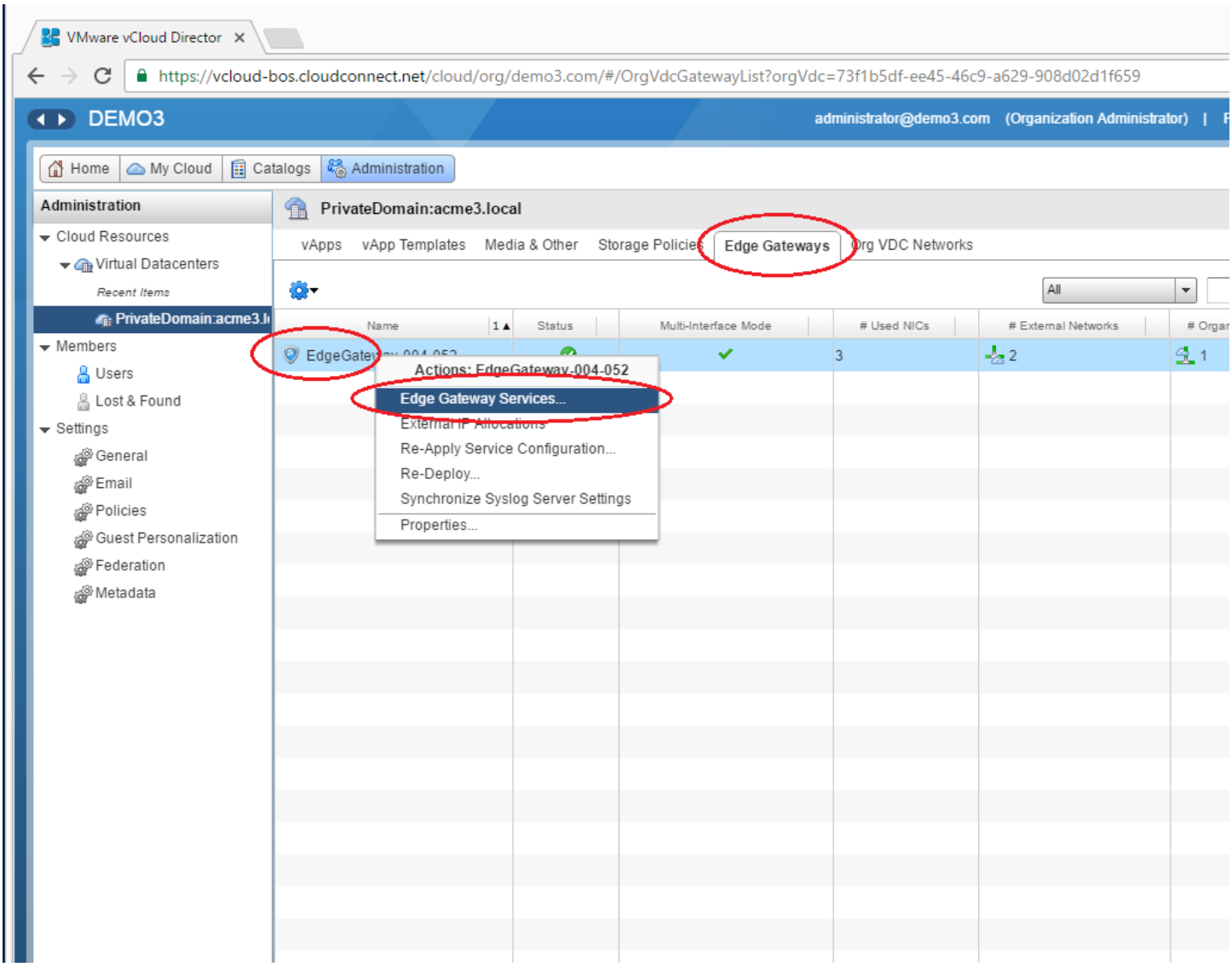

New Organization VDC Network
Select Network Type
Configure Network
Name and Description
Ready to Complete
Select Network Type
Create a network for use by vApps in this virtual datacenter.
You can create a routed network that provides controlled access to machines and networks outside of the VDC via an edge gateway, or an isolated network that only machines in this VDC can connect to.
You can also create a network that connects directly to an external network.
Create an isolated network within this virtual datacenter.
Create a routed network by connecting to an existing edge gateway:
All
Name
External Networ...
Organization V...
Available Networks
EdgeGateway-00
2
0
8
1-1 of 1
Back
Next
Finish
Cancel

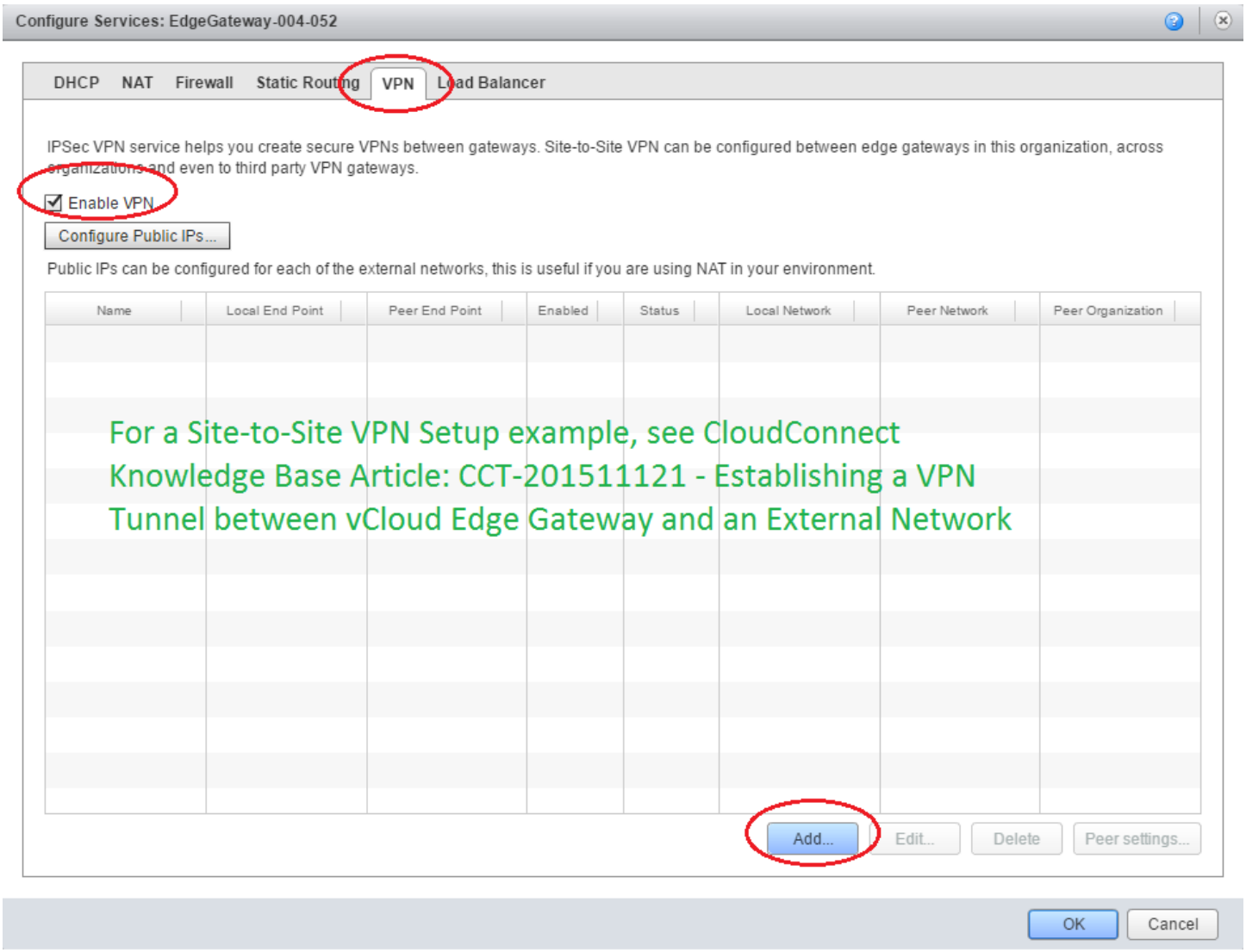

New Organization VDC Network
Select Network Type
Configure Network
Name and Description
Ready to Complete
Configure Network
Enter the network settings of the new organization VDC network for this virtual datacenter.
Gateway address:
10.39.0.1
Network mask:
255.255.255.0
Choose a unique Subnet for their Cloud deployment
Use gateway DNS
Select this option to use DNS relay of the gateway. DNS relay must be pre-configured on the gateway.
Primary DNS:
192.168.3.10
Secondary DNS:
DNS suffix:
acme3.local
The Primary DNS should be initally set to the IP address of the existing on-premise Domain Controller
The DNS suffix should be set to the active directory domain name
Static IP pool:
Enter an IP range (format: 192.168.1.2 - 192.168.1.100) or IP address and click Add.
10.39.0.10-10.39.0.99
Add
10.39.0.10 - 10.39.0.99
Modify
Remove
Total: 90
Back
Next
Finish
Cancel

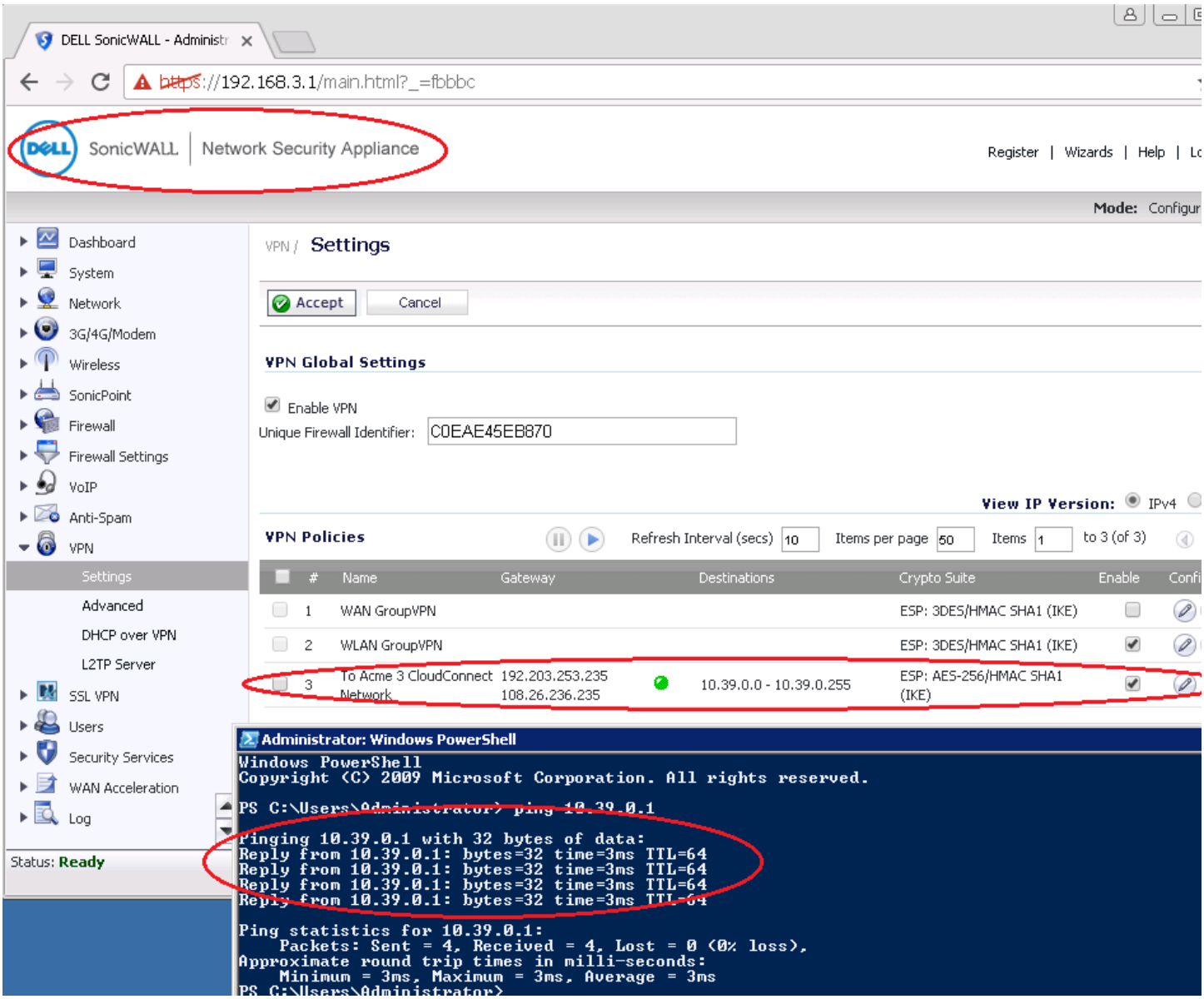

New Organization VDC Network
Select Network Type
Configure Network
Name and Description
Ready to Complete
Name this Organization VDC Network
Enter the name and description of this new Org VDC network.
Name:
Acme3 Network
Description:
Share this network with other VDCs in the organization
Back
Next
Finish
Cancel

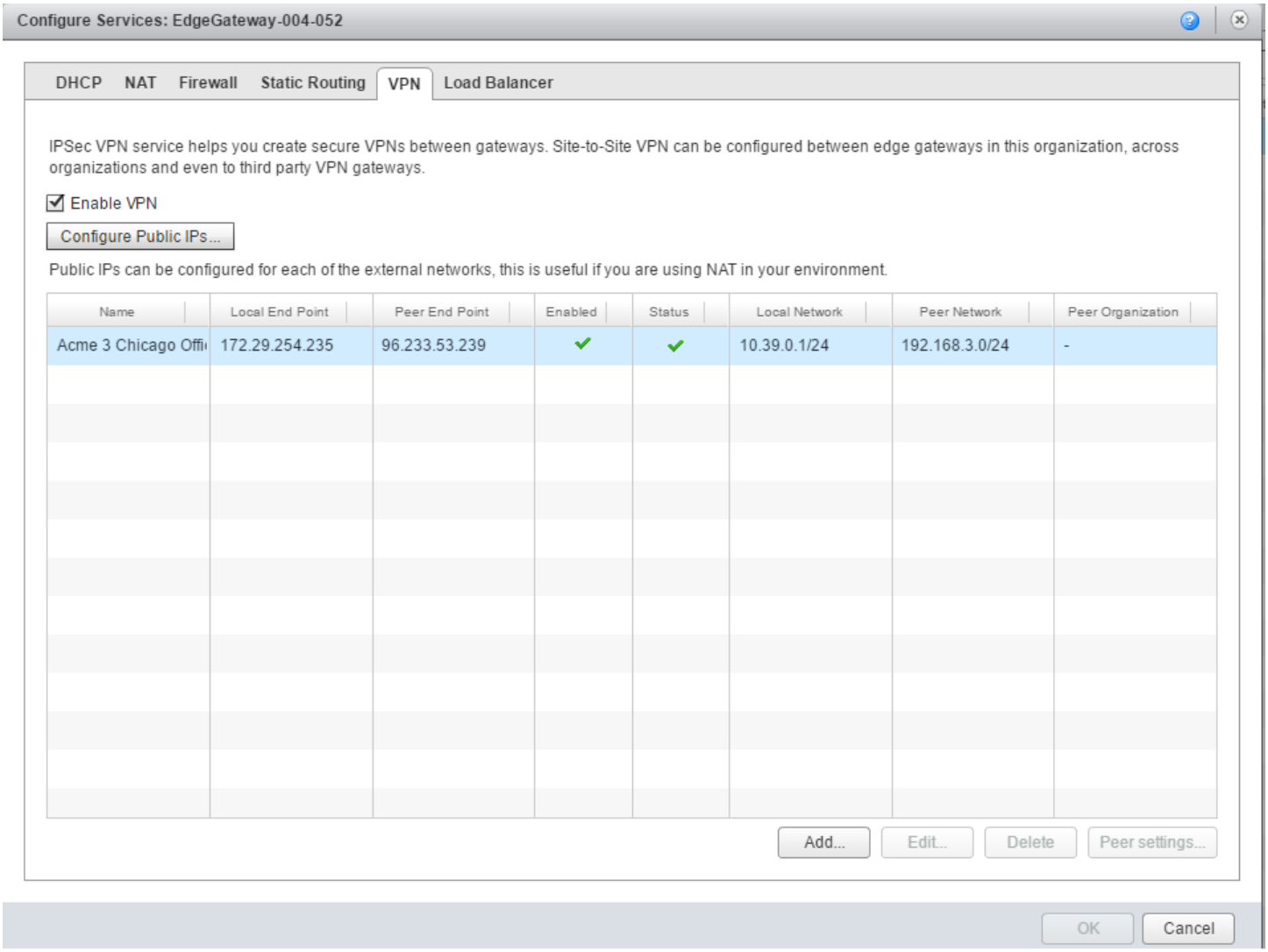

New Organization VDC Network
Select Network Type
Configure Network
Name and Description
Ready to Complete
Ready to Complete
You are about to create an organization VDC network. Review these settings and click Finish.
Name: Acme3 Network
Description:
Network Type: Routed Org VDC Network
Gateway: EdgeGateway-004-052
Gateway address: 10.39.0.1/24
Primary DNS: 192.168.3.10
Secondary DNS:
DNS suffix: acme3.local
Static IP pool: 10.39.0.10 - 10.39.0.99
Back
Next
Finish
Cancel

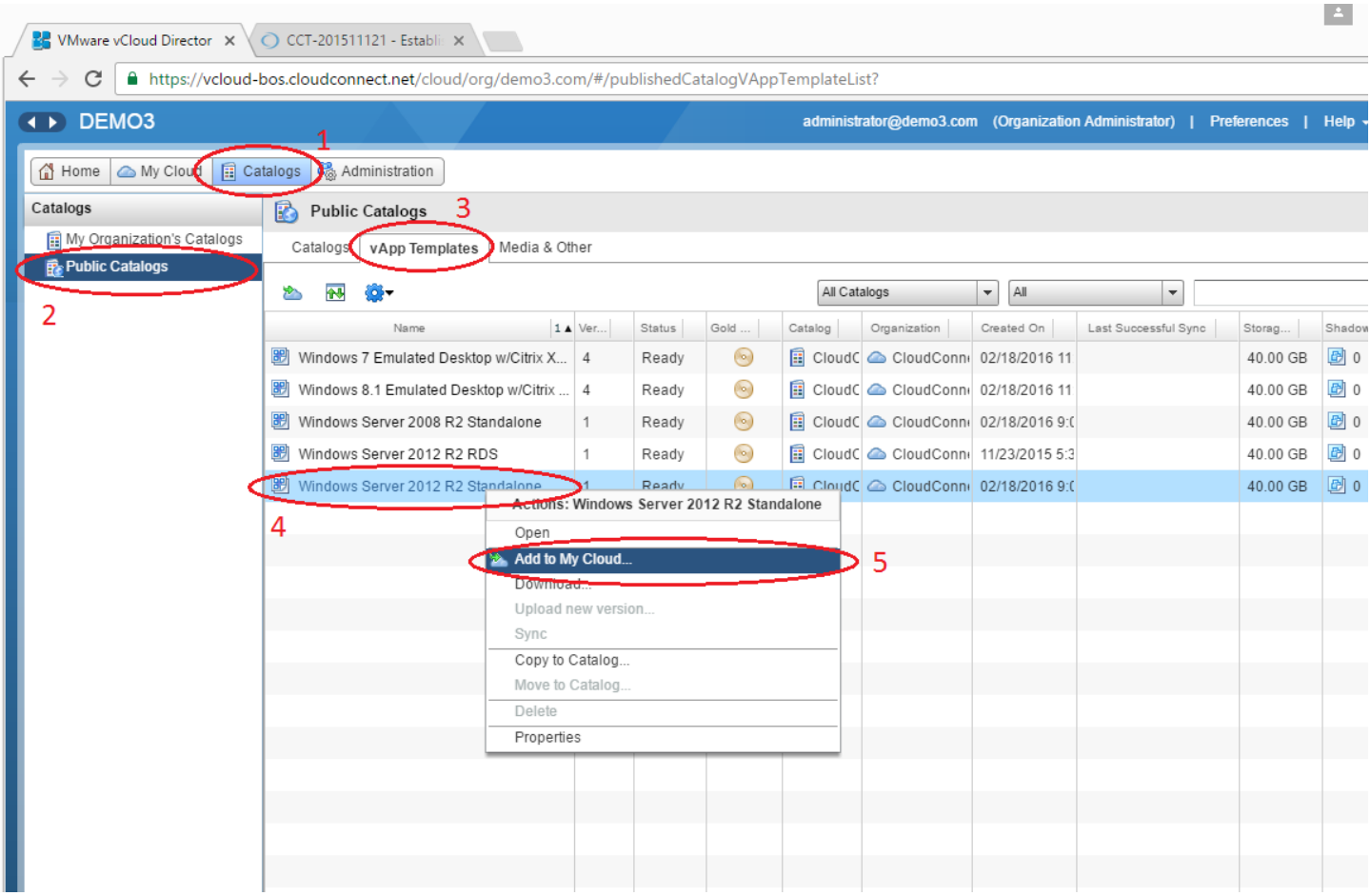

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/OrgVdcNetworkList?orgVdc=73f1b5df-ee45-46c9-a629-908d02d1f659
DEMO3
administrator@demo3.com (Organization Administrator)
Home
My Cloud
Catalogs
Administration
Administration
Cloud Resources
Virtual Datacenters
Recent Items
PrivateDomain:acme3.l
Members
Users
Lost & Found
Settings
General
Email
Policies
Guest Personalization
Federation
Metadata
PrivateDomain:acme3.local
vApps
vApp Templates
Media & Other
Storage Policies
Edge Gateways
Org VDC Networks
All
Name
Status
Gateway Address
Type
Connected To
IP Pool (Used/Total)
Acme3 Network
10.39.0.1/24
Routed
EdgeGateway-004-
0.00%
CloudConnect
172.17.4.1/22
Direct
CloudConnect
17.55%

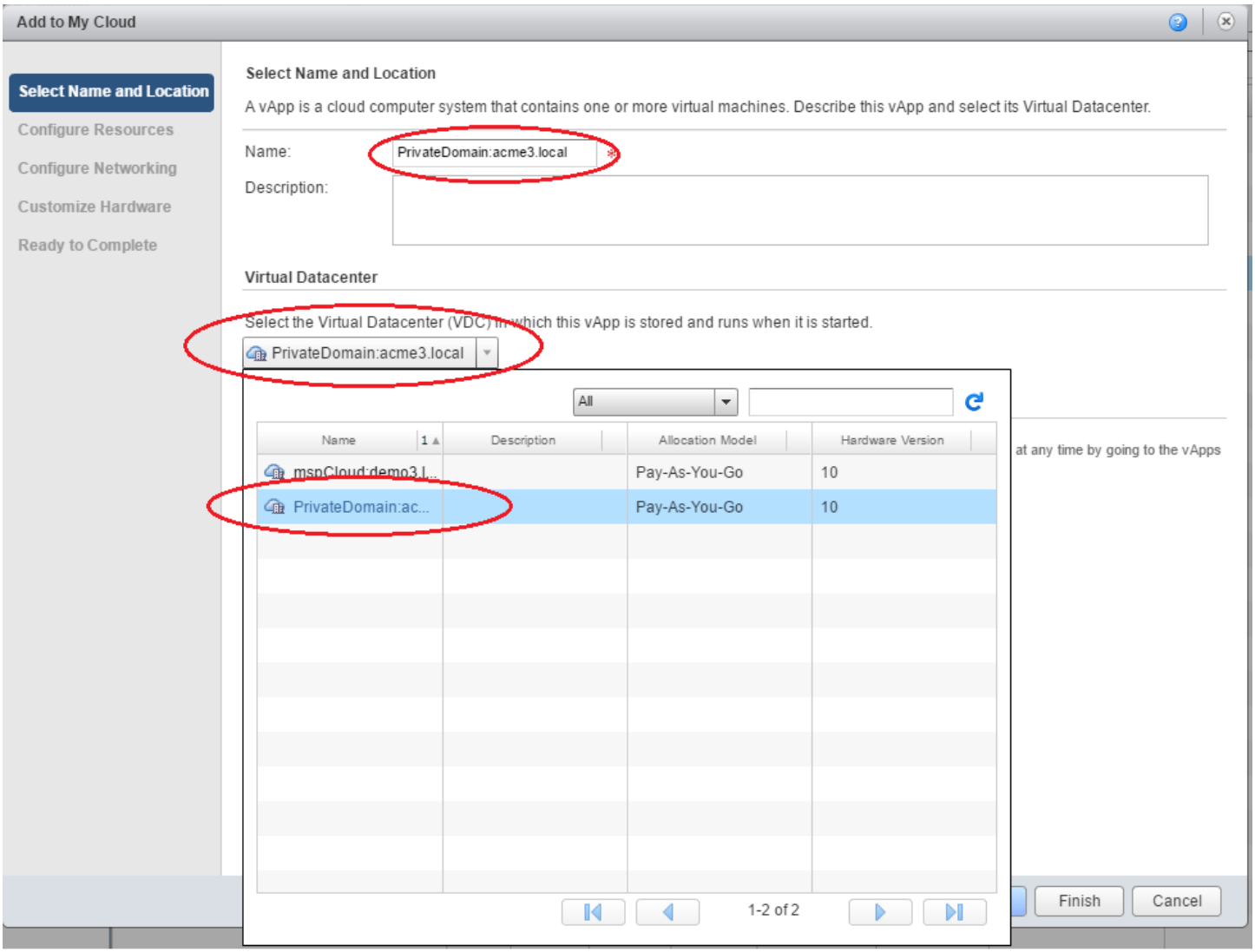

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/OrgVdcGatewayList?orgVdc=73f1b5df-ee45-46c9-a629-908d02d1f659
DEMO3
administrator@demo3.com (Organization Administrator)
Home
My Cloud
Catalogs
Administration
Administration
Cloud Resources
Virtual Datacenters
Recent Items
PrivateDomain:acme3.l
Members
Users
Lost & Found
Settings
General
Email
Policies
Guest Personalization
Federation
Metadata
PrivateDomain:acme3.local
vApps
vApp Templates
Media & Other
Storage Policies
Edge Gateways
Org VDC Networks
All
Name
Status
Multi-Interface Mode
Used NICs
External Networks
3
2
1
Actions: EdgeGateway-004-052
Edge Gateway Services...
External IP Allocations
Re-Apply Service Configuration...
Re-Deploy...
Synchronize Syslog Server Settings
Properties...

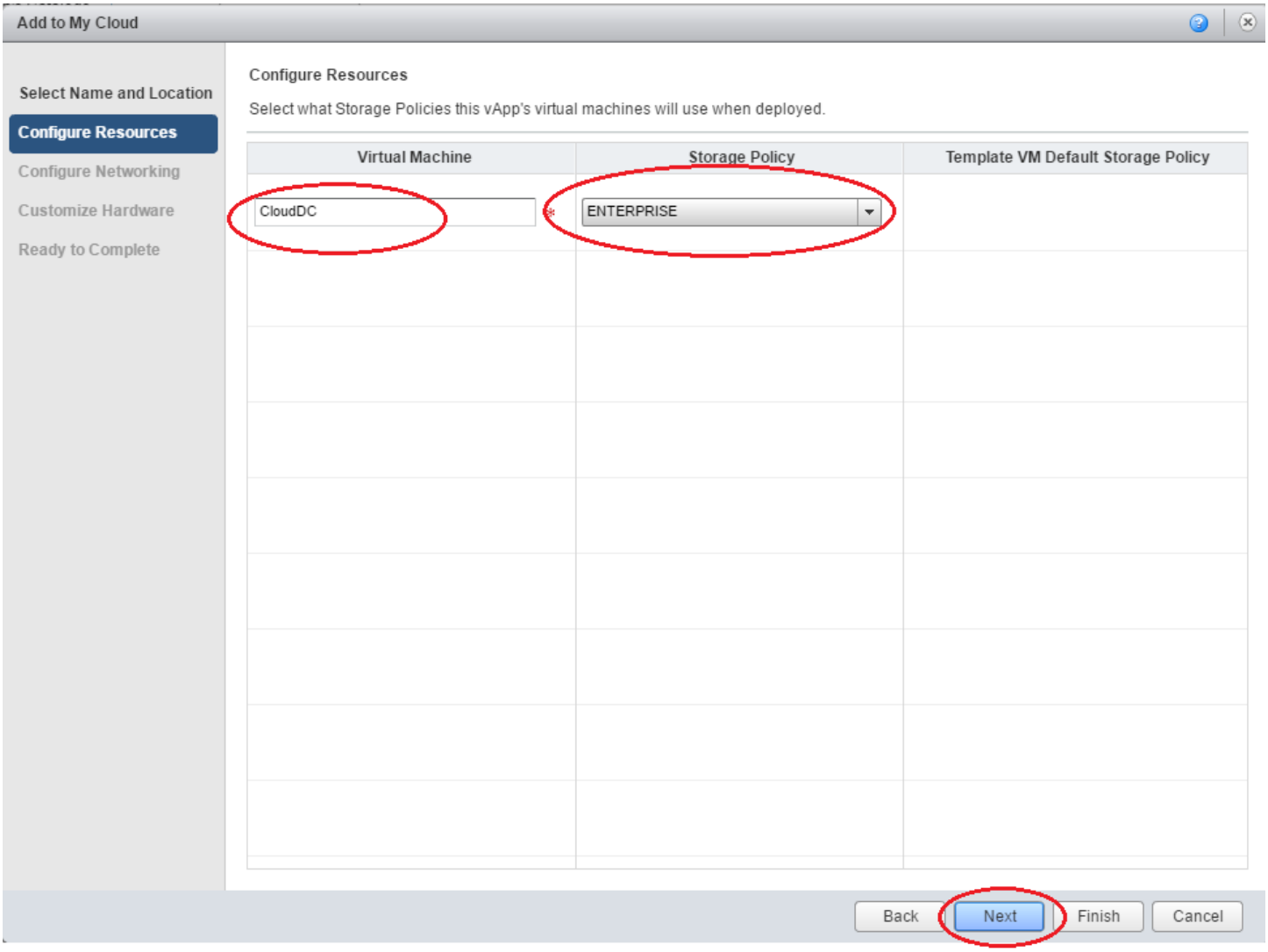

Configure Services: EdgeGateway-004-052
DHCP
NAT
Firewall
Static Routing
VPN
Load Balancer
IPSec VPN service helps you create secure VPNs between gateways. Site-to-Site VPN can be configured between edge gateways in this organization, across organizations and even to third party VPN gateways.
Enable VPN
Configure Public IPs...
Public IPs can be configured for each of the external networks, this is useful if you are using NAT in your environment.
Name
Local End Point
Peer End Point
Enabled
Status
Local Network
Peer Network
Peer Organization
For a Site-to-Site VPN Setup example, see CloudConnect Knowledge Base Article: CCT-201511121 - Establishing a VPN Tunnel between vCloud Edge Gateway and an External Network
Add...
Edit...
Delete
Peer settings...
OK
Cancel

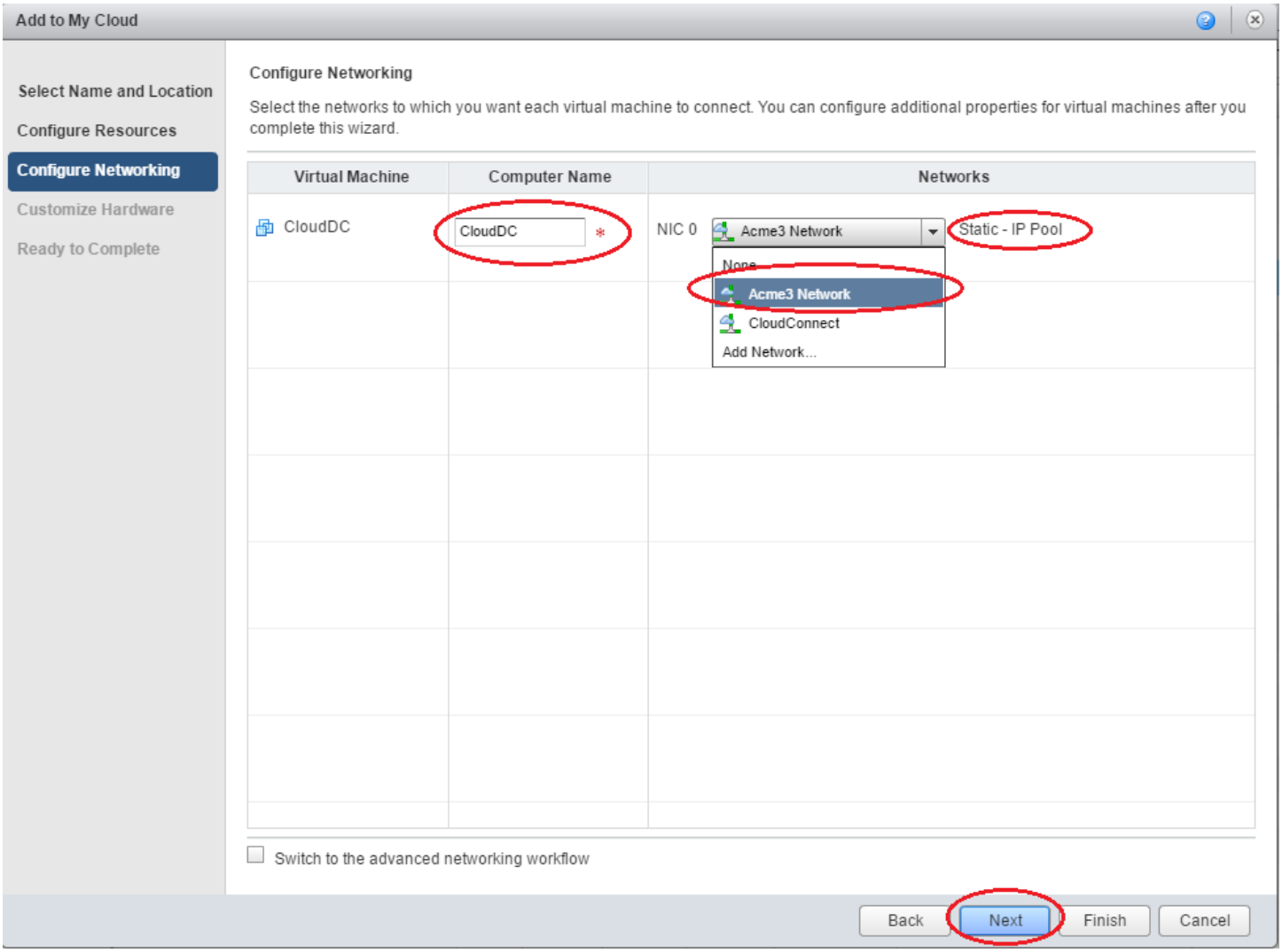

DELL SonicWALL - Administr
https://192.168.3.1/main.html?_=fbbbc
SonicWALL | Network Security Appliance
Register | Wizards | Help | Lo
Mode: Configur
Dashboard
System
Network
3G/4G/Modem
Wireless
SonicPoint
Firewall
Firewall Settings
VoIP
Anti-Spam
VPN
Settings
Advanced
DHCP over VPN
L2TP Server
SSL VPN
Users
Security Services
WAN Acceleration
Log
Status: Ready
VPN / Settings
Accept
Cancel
VPN Global Settings
Enable VPN
Unique Firewall Identifier: C0EAE45EB870
View IP Version: IPv4
VPN Policies
Refresh Interval (secs) 10
Items per page 50
Items 1
to 3 (of 3)
Name Gateway Destinations Crypto Suite Enable Confi
1 WAN GroupVPN ESP: 3DES/HMAC SHA1 (IKE)
2 WLAN GroupVPN ESP: 3DES/HMAC SHA1 (IKE)
3 To Acme 3 CloudConnect Network 192.203.253.235 108.26.236.235 10.39.0.0 - 10.39.0.255 ESP: AES-256/HMAC SHA1 (IKE)
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights reserved.
PS C:\Users\Administrator> ping 10.39.0.1
Pinging 10.39.0.1 with 32 bytes of data:
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Ping statistics for 10.39.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 3ms, Maximum = 3ms, Average = 3ms
PS C:\Users\Administrator>

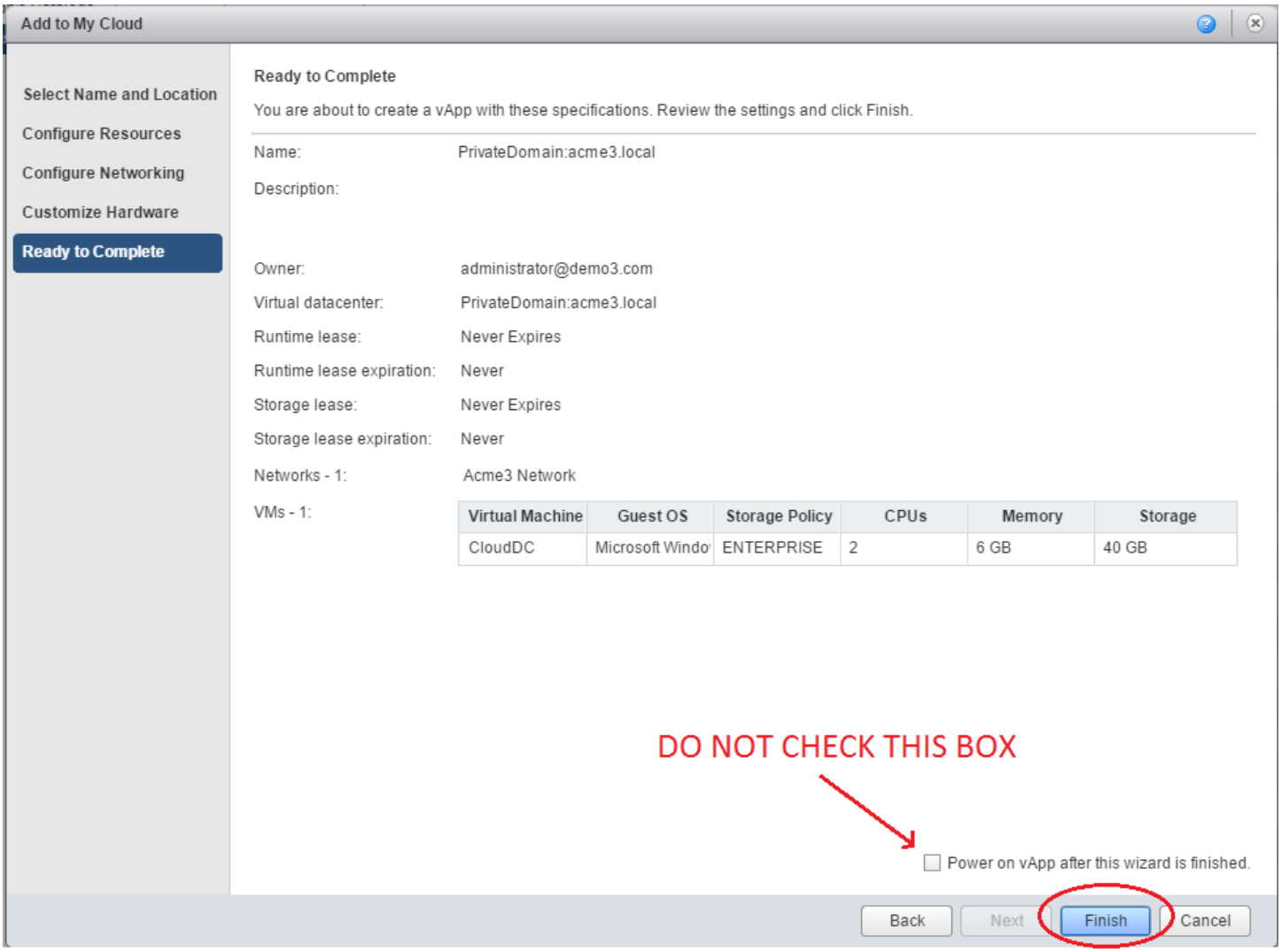

Configure Services: EdgeGateway-004-052
DHCP
NAT
Firewall
Static Routing
VPN
Load Balancer
IPSec VPN service helps you create secure VPNs between gateways. Site-to-Site VPN can be configured between edge gateways in this organization, across organizations and even to third party VPN gateways.
Enable VPN
Configure Public IPs...
Public IPs can be configured for each of the external networks, this is useful if you are using NAT in your environment.
Name
Local End Point
Peer End Point
Enabled
Status
Local Network
Peer Network
Peer Organization
Acme 3 Chicago Offi
172.29.254.235
96.233.53.239
10.39.0.1/24
192.168.3.0/24
-
Add...
Edit...
Delete
Peer settings...
OK
Cancel

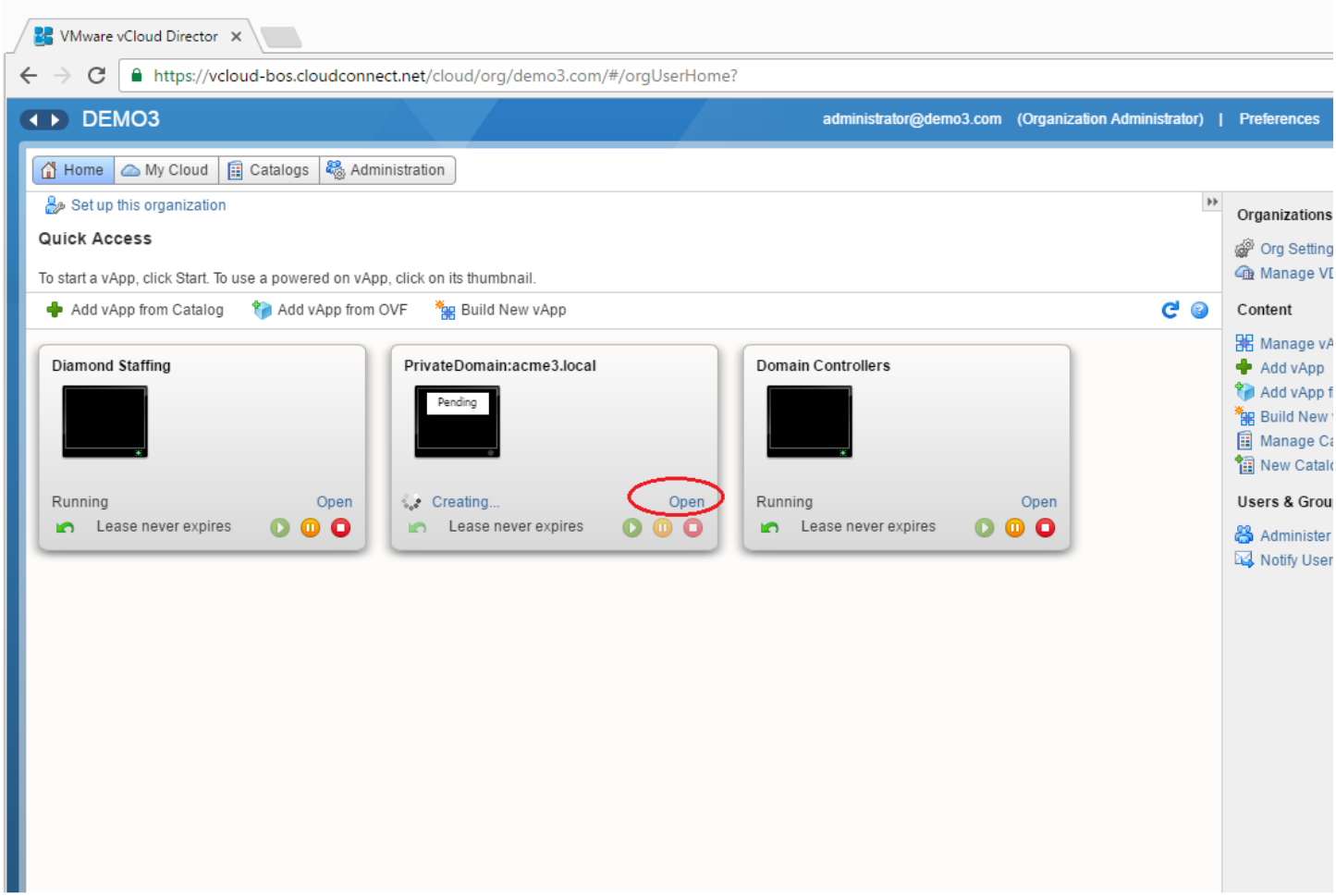

VMware vCloud Director
CCT-201511121 - Establi
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/publishedCatalogVAppTemplateList?
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help
Home
My Cloud
Catalogs
Administration
1
Catalogs
My Organization's Catalogs
Public Catalogs
2
Public Catalogs
3
Catalogs
vApp Templates
Media & Other
All Catalogs
All
Name
Ver...
Status
Gold ...
Catalog
Organization
Created On
Last Successful Sync
Storag...
Shadow
Windows 7 Emulated Desktop w/Citrix X... 4 Ready CloudC CloudConn 02/18/2016 11 40.00 GB 0
Windows 8.1 Emulated Desktop w/Citrix ... 4 Ready CloudC CloudConn 02/18/2016 11 40.00 GB 0
Windows Server 2008 R2 Standalone 1 Ready CloudC CloudConn 02/18/2016 9:0 40.00 GB 0
Windows Server 2012 R2 RDS 1 Ready CloudC CloudConn 11/23/2015 5:3 40.00 GB 0
Windows Server 2012 R2 Standalone 1 Ready CloudC CloudConn 02/18/2016 9:0 40.00 GB 0
4
Actions: Windows Server 2012 R2 Standalone
Open
Add to My Cloud...
Download...
Upload new version...
Sync
Copy to Catalog...
Move to Catalog...
Delete
Properties
5

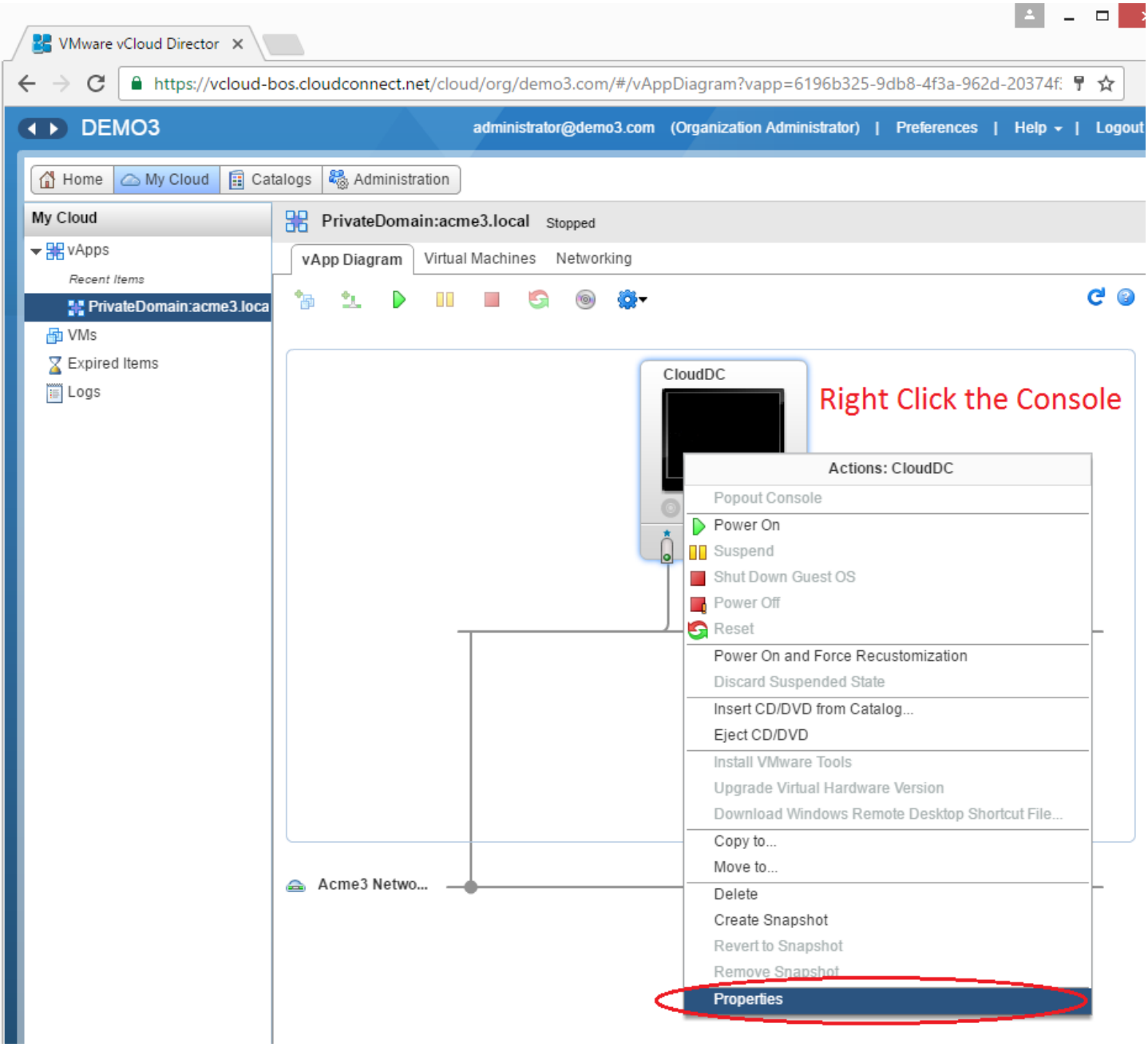

Add to My Cloud
Select Name and Location
Configure Resources
Configure Networking
Customize Hardware
Ready to Complete
Select Name and Location
A vApp is a cloud computer system that contains one or more virtual machines. Describe this vApp and select its Virtual Datacenter.
Name:
PrivateDomain:acme3.local
Description:
Virtual Datacenter
Select the Virtual Datacenter (VDC) in which this vApp is stored and runs when it is started.
PrivateDomain:acme3.local
All
Name
Description
Allocation Model
Hardware Version
mspCloud:demo3.l...
Pay-As-You-Go
10
PrivateDomain:ac...
Pay-As-You-Go
10
1-2 of 2
at any time by going to the vApps
Finish
Cancel

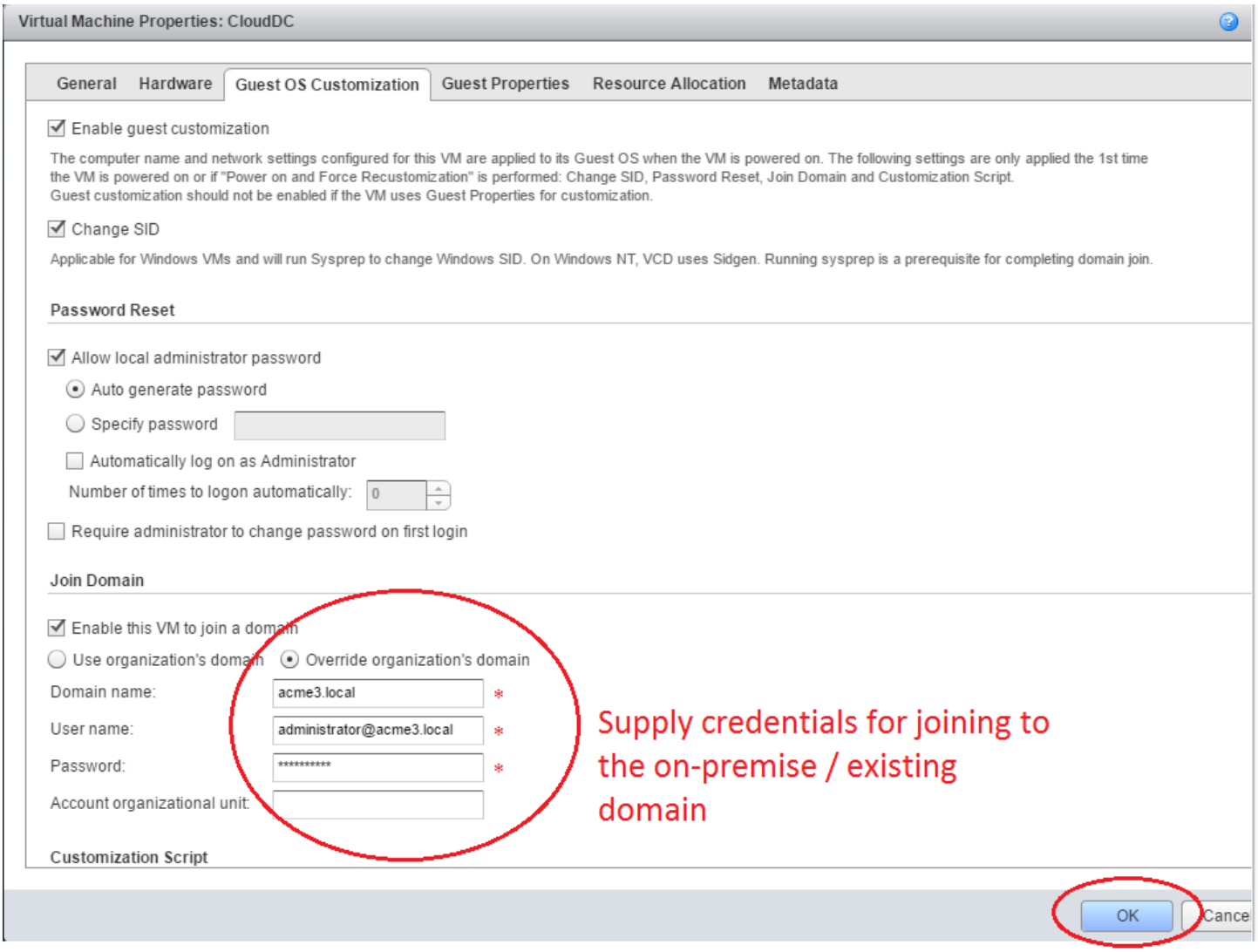

Add to My Cloud
Select Name and Location
Configure Resources
Configure Networking
Customize Hardware
Ready to Complete
Configure Resources
Select what Storage Policies this vApp's virtual machines will use when deployed.
Virtual Machine
Storage Policy
Template VM Default Storage Policy
CloudDC
ENTERPRISE
Back
Next
Finish
Cancel

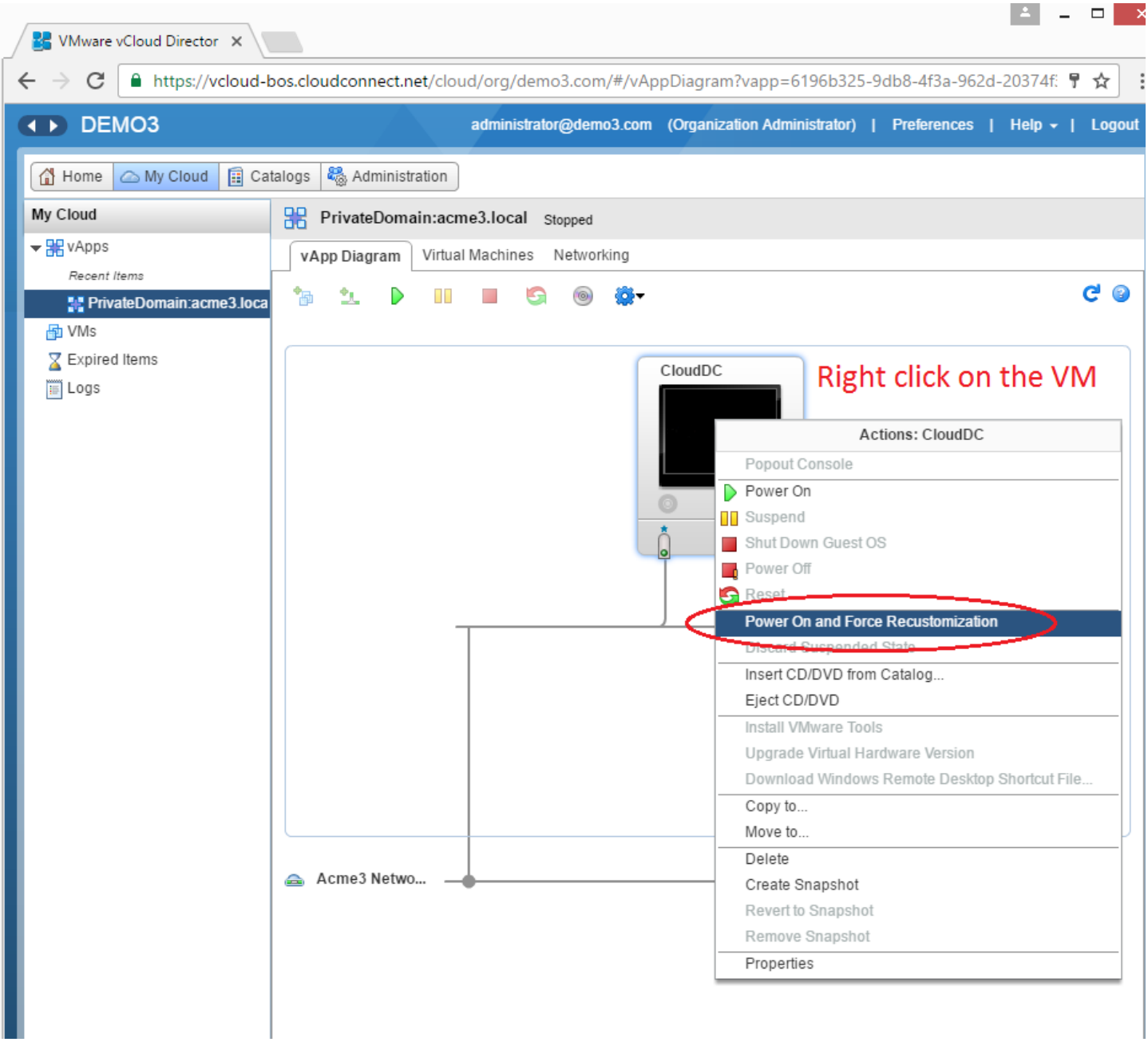

Add to My Cloud
Select Name and Location
Configure Resources
Configure Networking
Customize Hardware
Ready to Complete
Configure Networking
Select the networks to which you want each virtual machine to connect. You can configure additional properties for virtual machines after you complete this wizard.
Virtual Machine
Computer Name
Networks
CloudDC
CloudDC
*
NIC 0
Acme3 Network
Static - IP Pool
None
Acme3 Network
CloudConnect
Add Network...
Switch to the advanced networking workflow
Back
Next
Finish
Cancel

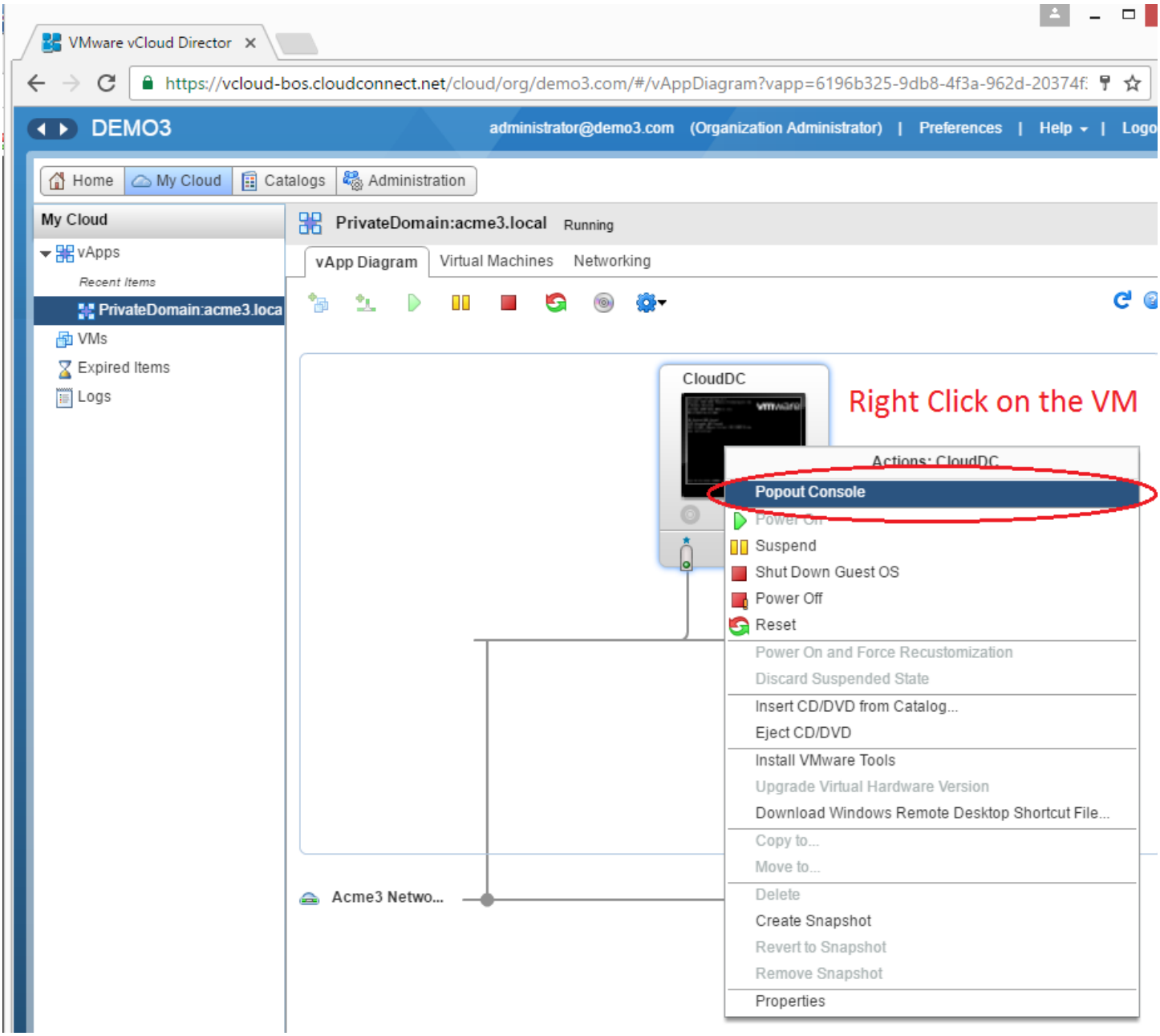

Add to My Cloud
Select Name and Location
Configure Resources
Configure Networking
Customize Hardware
Ready to Complete
Ready to Complete
You are about to create a vApp with these specifications. Review the settings and click Finish.
Name: PrivateDomain:acme3.local
Description:
Owner: administrator@demo3.com
Virtual datacenter: PrivateDomain:acme3.local
Runtime lease: Never Expires
Runtime lease expiration: Never
Storage lease: Never Expires
Storage lease expiration: Never
Networks - 1: Acme3 Network
VMs - 1:
Virtual Machine
Guest OS
Storage Policy
CPUs
Memory
Storage
CloudDC
Microsoft Windo
ENTERPRISE
2
6 GB
40 GB
DO NOT CHECK THIS BOX
Power on vApp after this wizard is finished.
Back
Next
Finish
Cancel

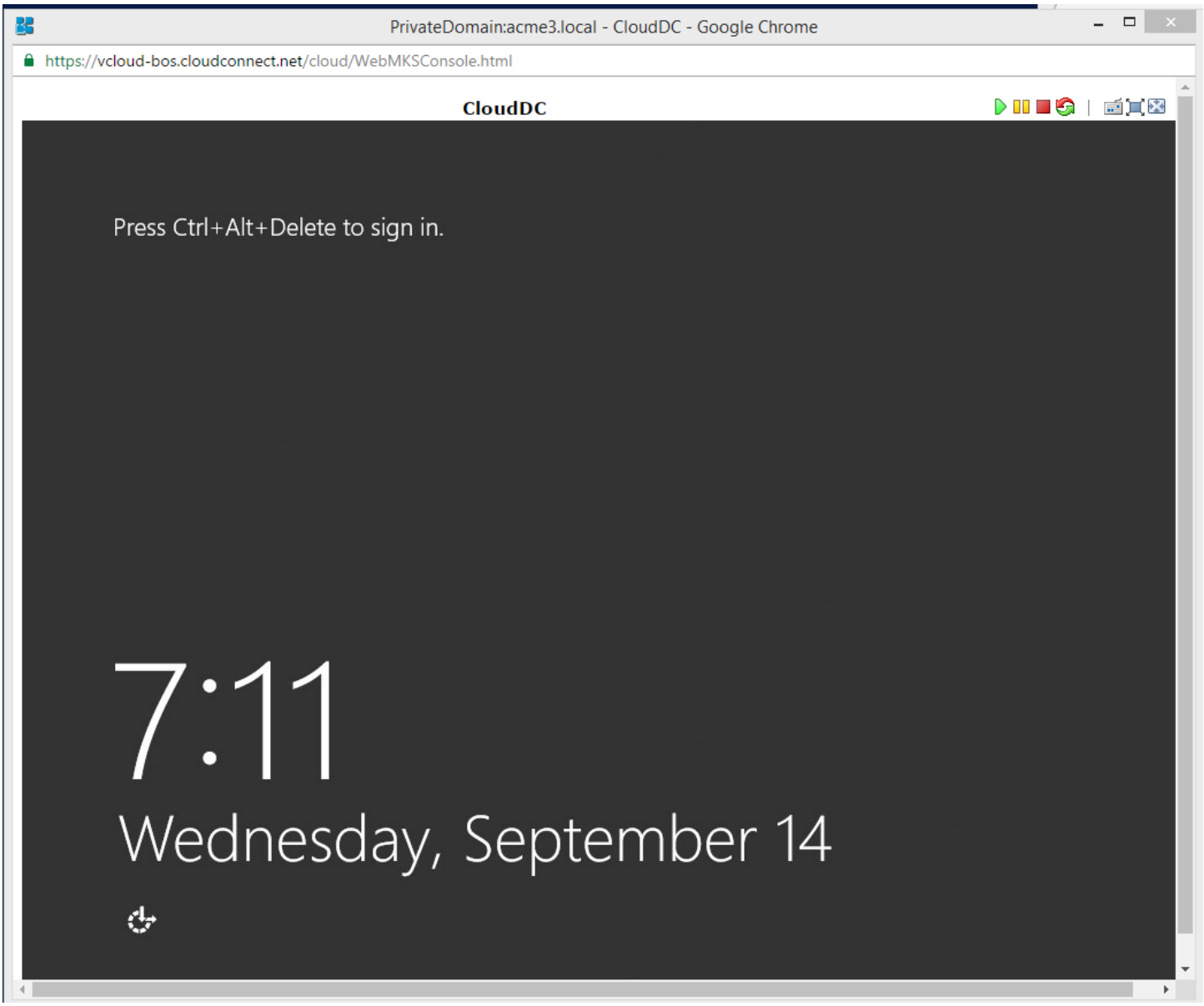

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/orgUserHome?
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences
Home
My Cloud
Catalogs
Administration
Set up this organization
Quick Access
To start a vApp, click Start. To use a powered on vApp, click on its thumbnail.
Add vApp from Catalog
Add vApp from OVF
Build New vApp
Diamond Staffing
Running
Open
Lease never expires
PrivateDomain:acme3.local
Pending
Creating...
Open
Lease never expires
Domain Controllers
Running
Open
Lease never expires
Organizations
Org Setting
Content
Add vApp
Users & Grou
Administer
Notify User

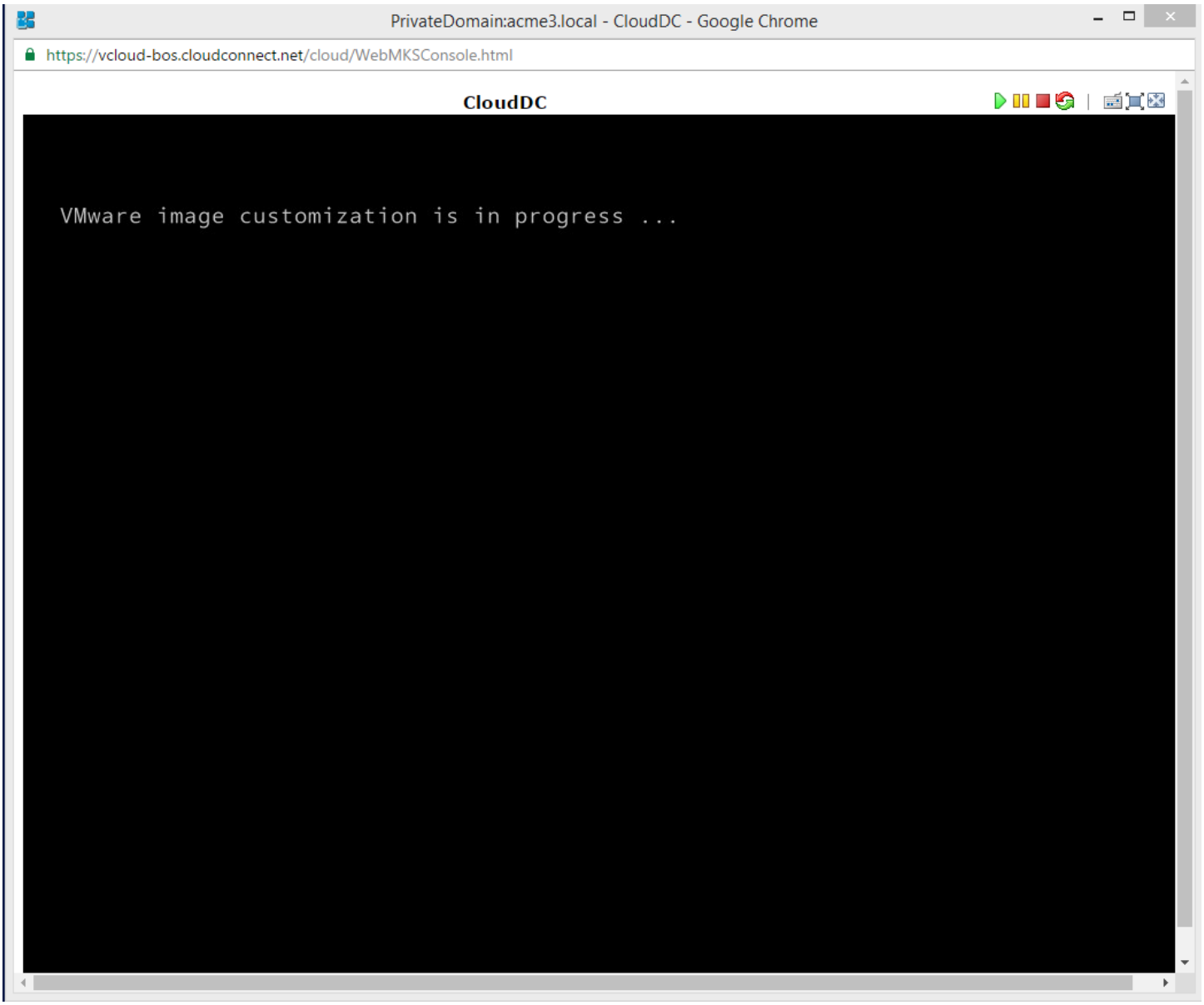

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/vAppDiagram?vapp=6196b325-9db8-4f3a-962d-20374f
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help | Logout
Home
My Cloud
Catalogs
Administration
My Cloud
vApps
Recent Items
PrivateDomain:acme3.loca
VMs
Expired Items
Logs
PrivateDomain:acme3.local Stopped
vApp Diagram
Virtual Machines
Networking
CloudDC
Right Click the Console
Actions: CloudDC
Popout Console
Power On
Suspend
Shut Down Guest OS
Power Off
Reset
Power On and Force Recustomization
Discard Suspended State
Insert CD/DVD from Catalog...
Eject CD/DVD
Install VMware Tools
Upgrade Virtual Hardware Version
Download Windows Remote Desktop Shortcut File...
Copy to...
Move to...
Delete
Create Snapshot
Revert to Snapshot
Remove Snapshot
Properties
Acme3 Netwo...

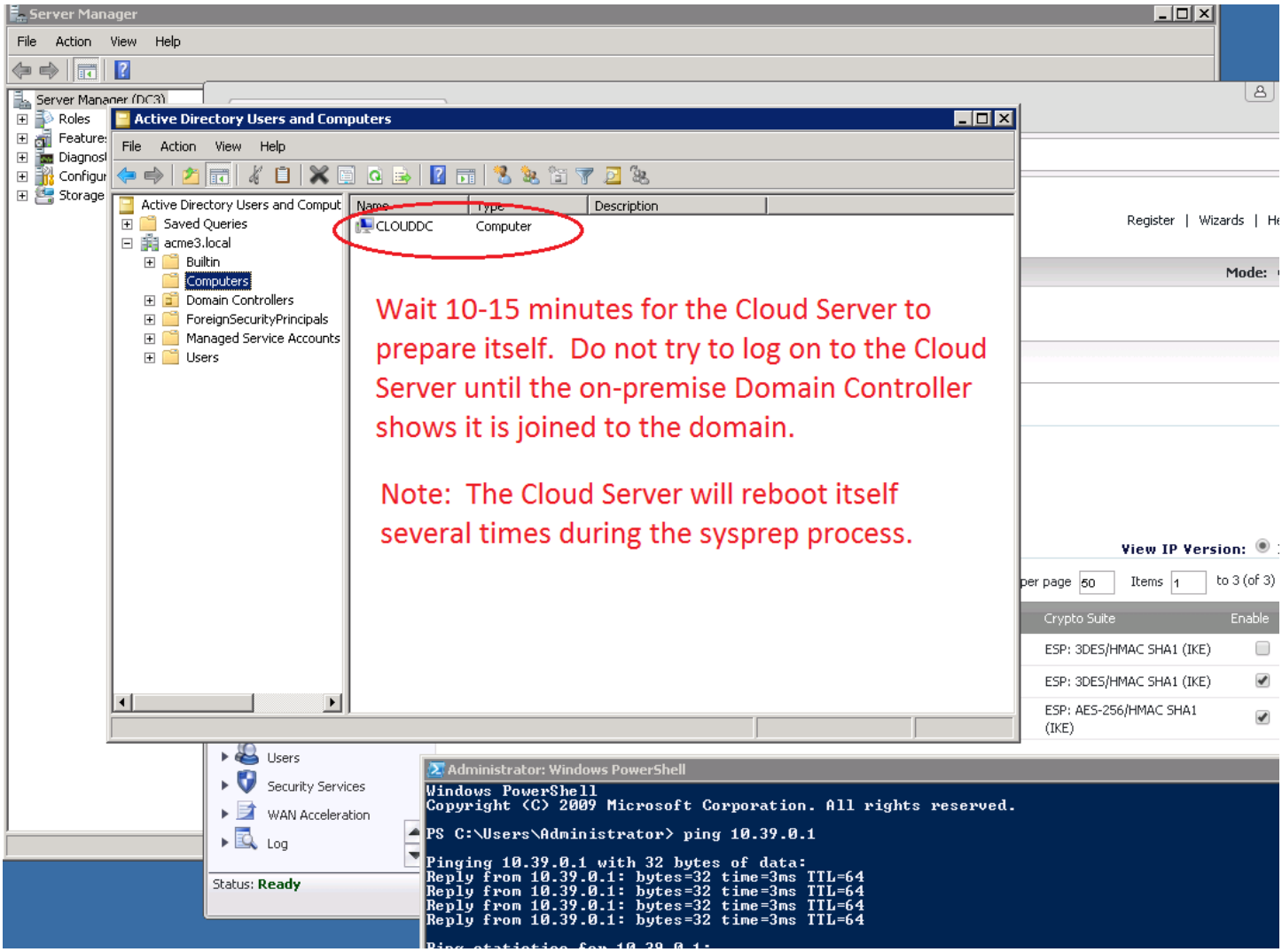

Virtual Machine Properties: CloudDC
General
Hardware
Guest OS Customization
Guest Properties
Resource Allocation
Metadata
Enable guest customization
The computer name and network settings configured for this VM are applied to its Guest OS when the VM is powered on. The following settings are only applied the 1st time the VM is powered on or if "Power on and Force Recustomization" is performed: Change SID, Password Reset, Join Domain and Customization Script.
Guest customization should not be enabled if the VM uses Guest Properties for customization.
Change SID
Applicable for Windows VMs and will run Sysprep to change Windows SID. On Windows NT, VCD uses Sidgen. Running sysprep is a prerequisite for completing domain join.
Password Reset
Allow local administrator password
Auto generate password
Specify password
Automatically log on as Administrator
Number of times to logon automatically:
0
Require administrator to change password on first login
Join Domain
Enable this VM to join a domain
Use organization's domain
Override organization's domain
Domain name:
acme3.local
User name:
administrator@acme3.local
Password:
****
Account organizational unit:
Customization Script
Supply credentials for joining to the on-premise / existing domain
OK
Cance

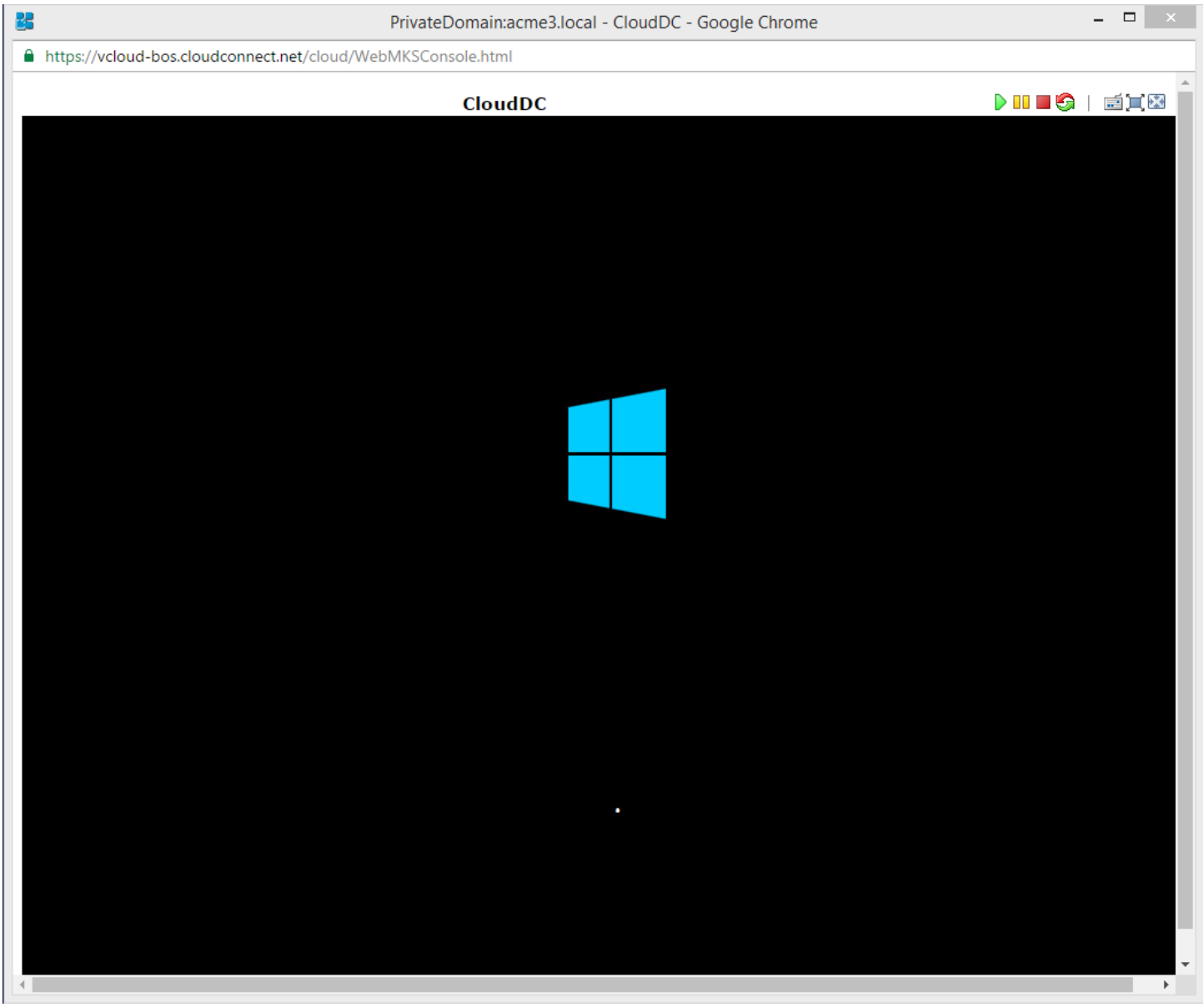

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/vAppDiagram?vapp=6196b325-9db8-4f3a-962d-20374f
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help | Logout
Home
My Cloud
Catalogs
Administration
My Cloud
vApps
Recent Items
PrivateDomain:acme3.loca
VMs
Expired Items
Logs
PrivateDomain:acme3.local Stopped
vApp Diagram
Virtual Machines
Networking
CloudDC
Right click on the VM
Actions: CloudDC
Popout Console
Power On
Suspend
Shut Down Guest OS
Power Off
Reset
Power On and Force Recustomization
Discard Suspended State
Insert CD/DVD from Catalog...
Eject CD/DVD
Install VMware Tools
Upgrade Virtual Hardware Version
Download Windows Remote Desktop Shortcut File...
Copy to...
Move to...
Delete
Create Snapshot
Revert to Snapshot
Remove Snapshot
Properties
Acme3 Netwo...

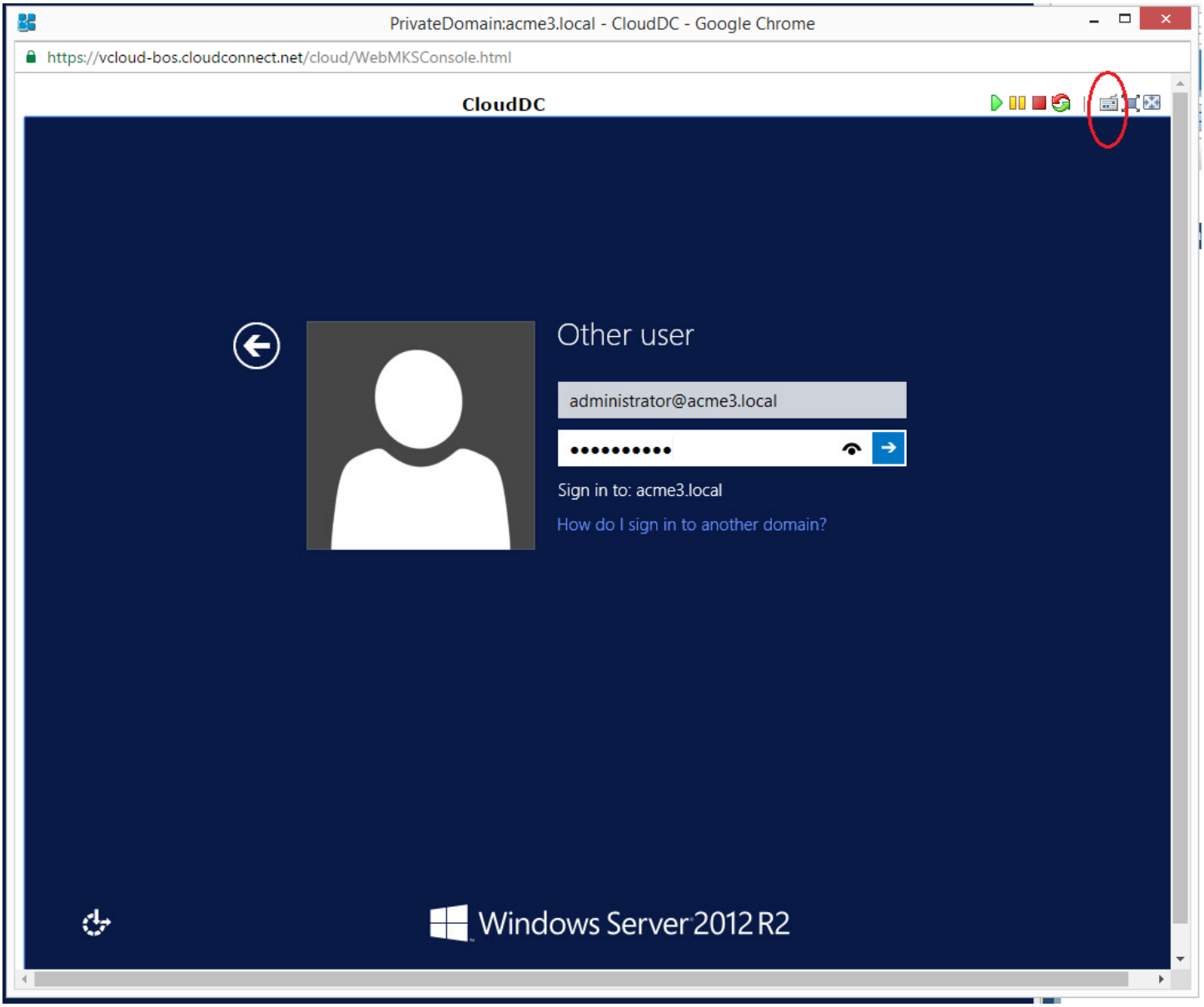

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/vAppDiagram?vapp=6196b325-9db8-4f3a-962d-20374f
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help | Logo
Home
My Cloud
Catalogs
Administration
My Cloud
vApps
Recent Items
PrivateDomain:acme3.loca
VMs
Expired Items
Logs
PrivateDomain:acme3.local Running
vApp Diagram
Virtual Machines
Networking
CloudDC
Right Click on the VM
Actions: CloudDC
Popout Console
Power On
Suspend
Shut Down Guest OS
Power Off
Reset
Power On and Force Recustomization
Discard Suspended State
Insert CD/DVD from Catalog...
Eject CD/DVD
Install VMware Tools
Upgrade Virtual Hardware Version
Download Windows Remote Desktop Shortcut File...
Copy to...
Move to...
Delete
Create Snapshot
Revert to Snapshot
Remove Snapshot
Properties
Acme3 Netwo...

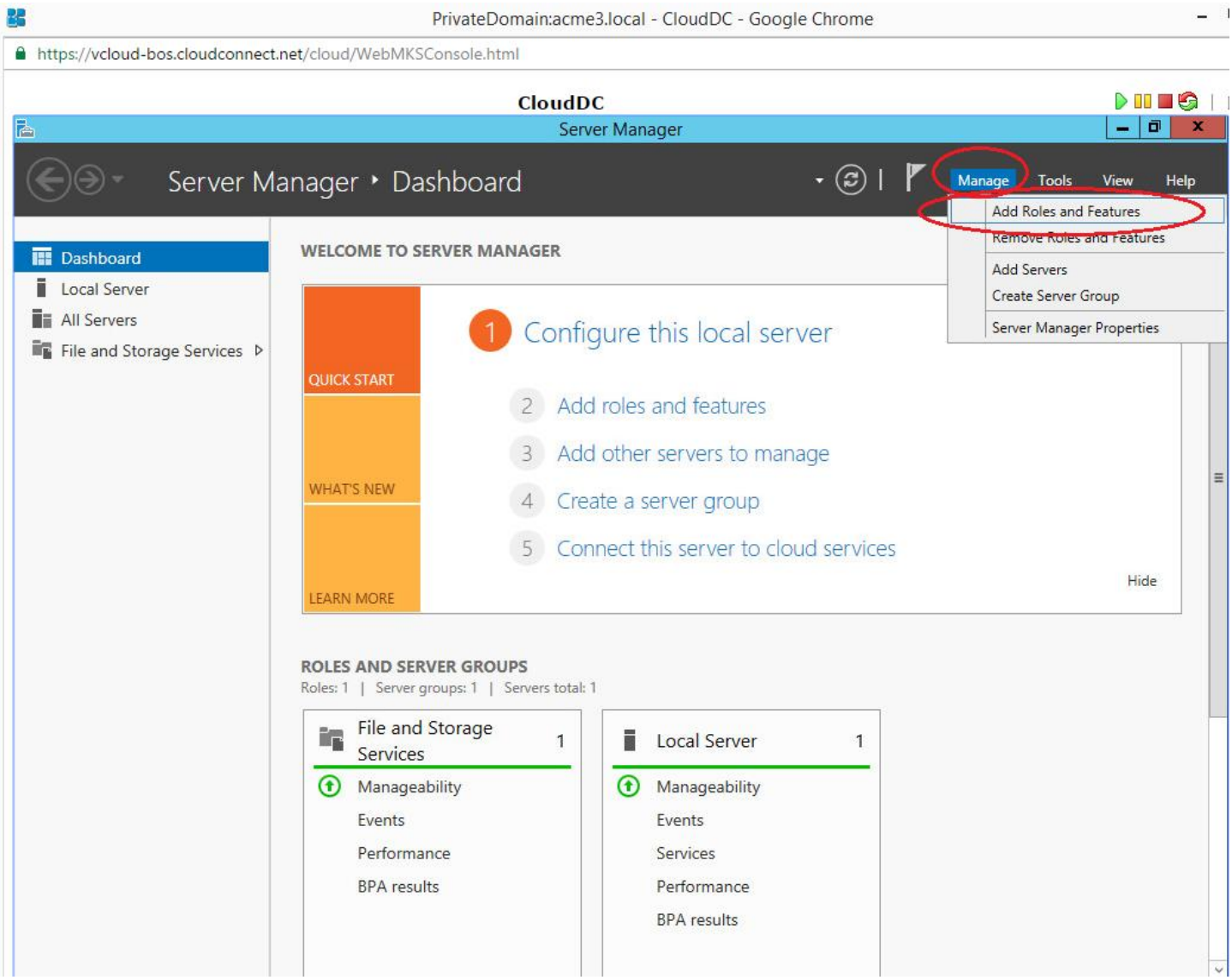

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Press Ctrl+Alt+Delete to sign in.
7:11
Wednesday, September 14

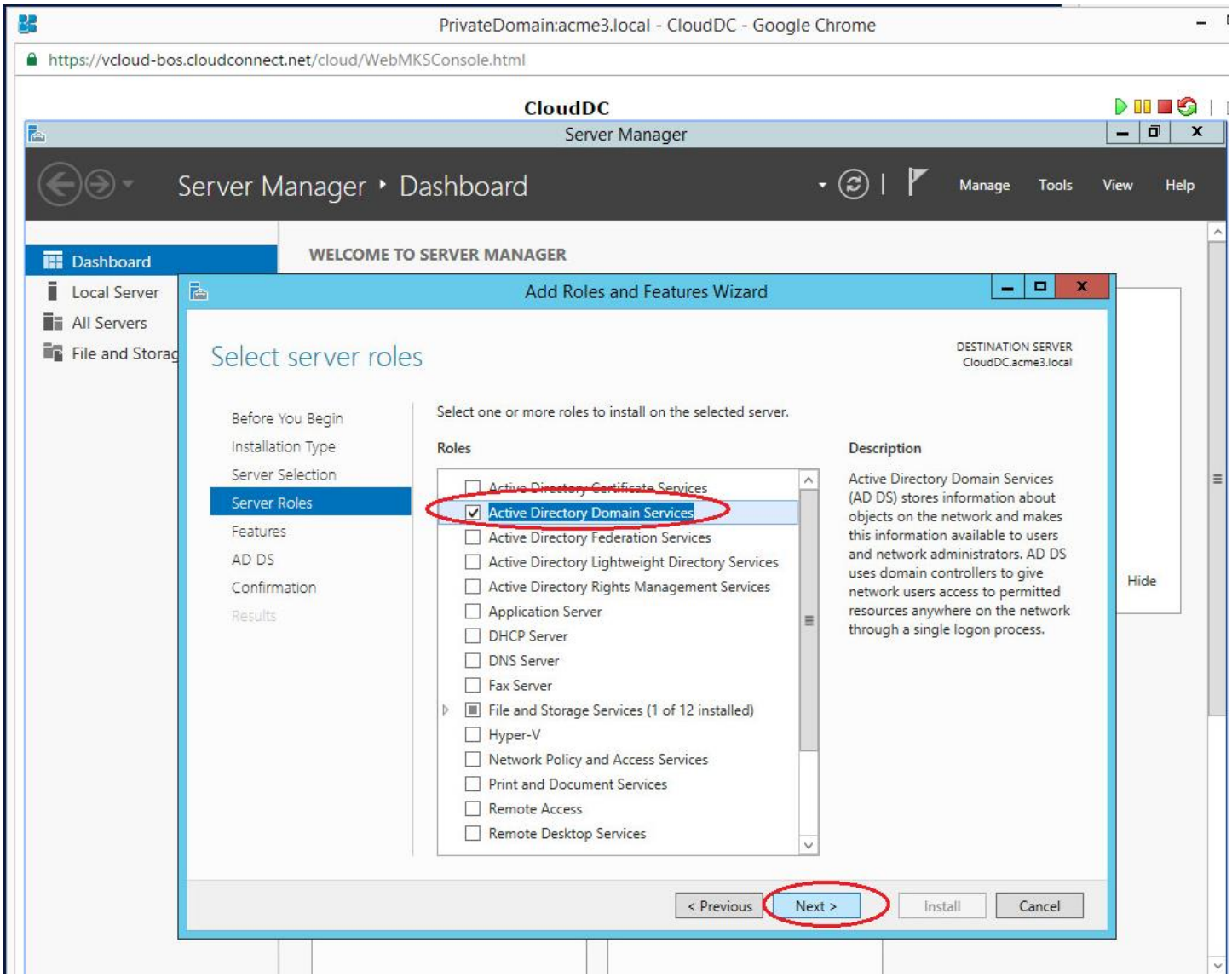

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
VMware image customization is in progress ...

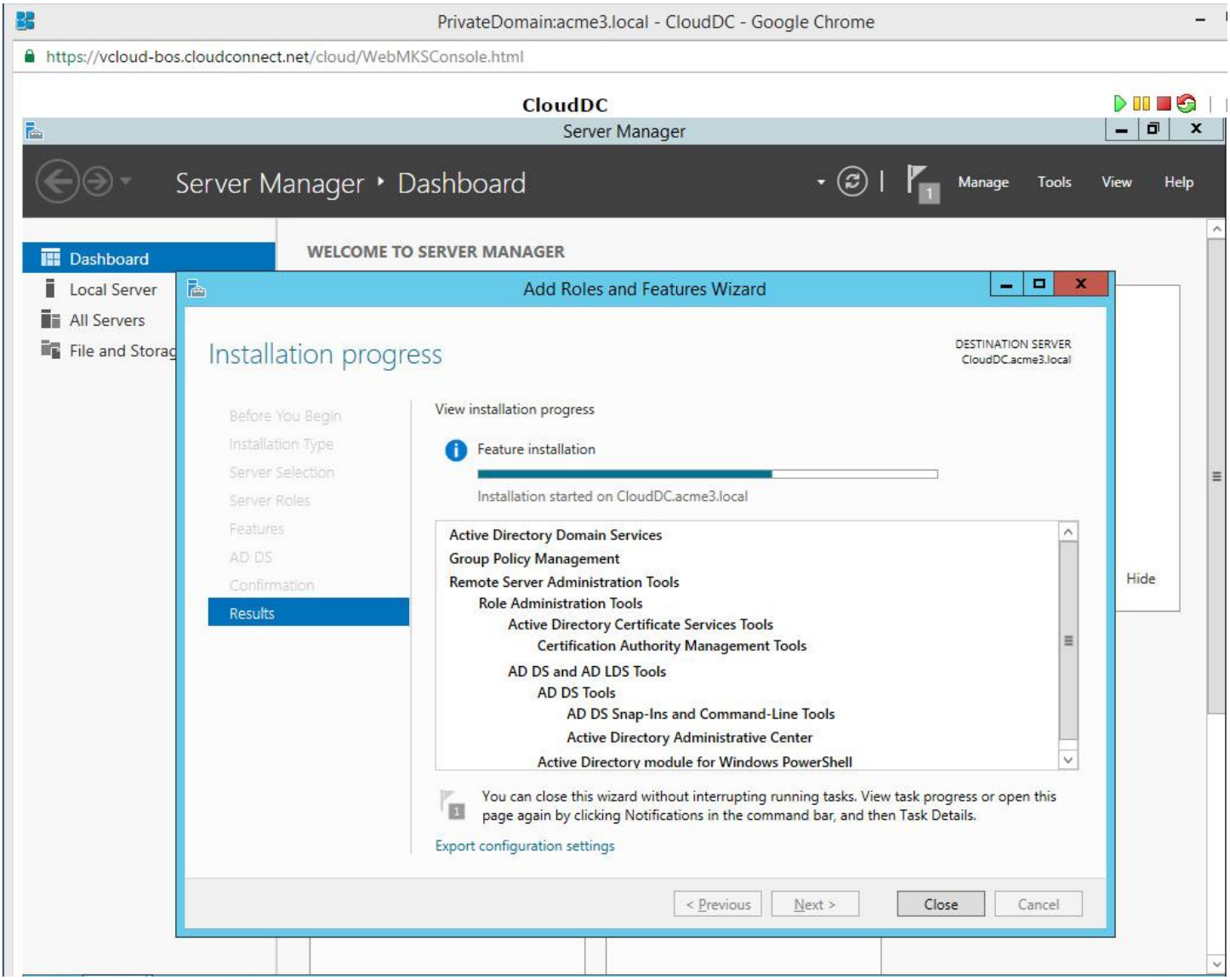

Server Manager
File Action View Help
Active Directory Users and Computers
File Action View Help
Active Directory Users and Comput
Saved Queries
acme3.local
Builtin
Computers
Domain Controllers
ForeignSecurityPrincipals
Managed Service Accounts
Users
Name
Type
Description
CLOUDDC
Computer
Wait 10-15 minutes for the Cloud Server to prepare itself. Do not try to log on to the Cloud Server until the on-premise Domain Controller shows it is joined to the domain.
Note: The Cloud Server will reboot itself several times during the sysprep process.
Register | Wizards | He
Mode:
View IP Version:
per page 50 Items 1 to 3 (of 3)
Crypto Suite
Enable
ESP: 3DES/HMAC SHA1 (IKE)
ESP: 3DES/HMAC SHA1 (IKE)
ESP: AES-256/HMAC SHA1 (IKE)
Users
Security Services
WAN Acceleration
Log
Status: Ready
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights reserved.
PS C:\Users\Administrator> ping 10.39.0.1
Pinging 10.39.0.1 with 32 bytes of data:
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64

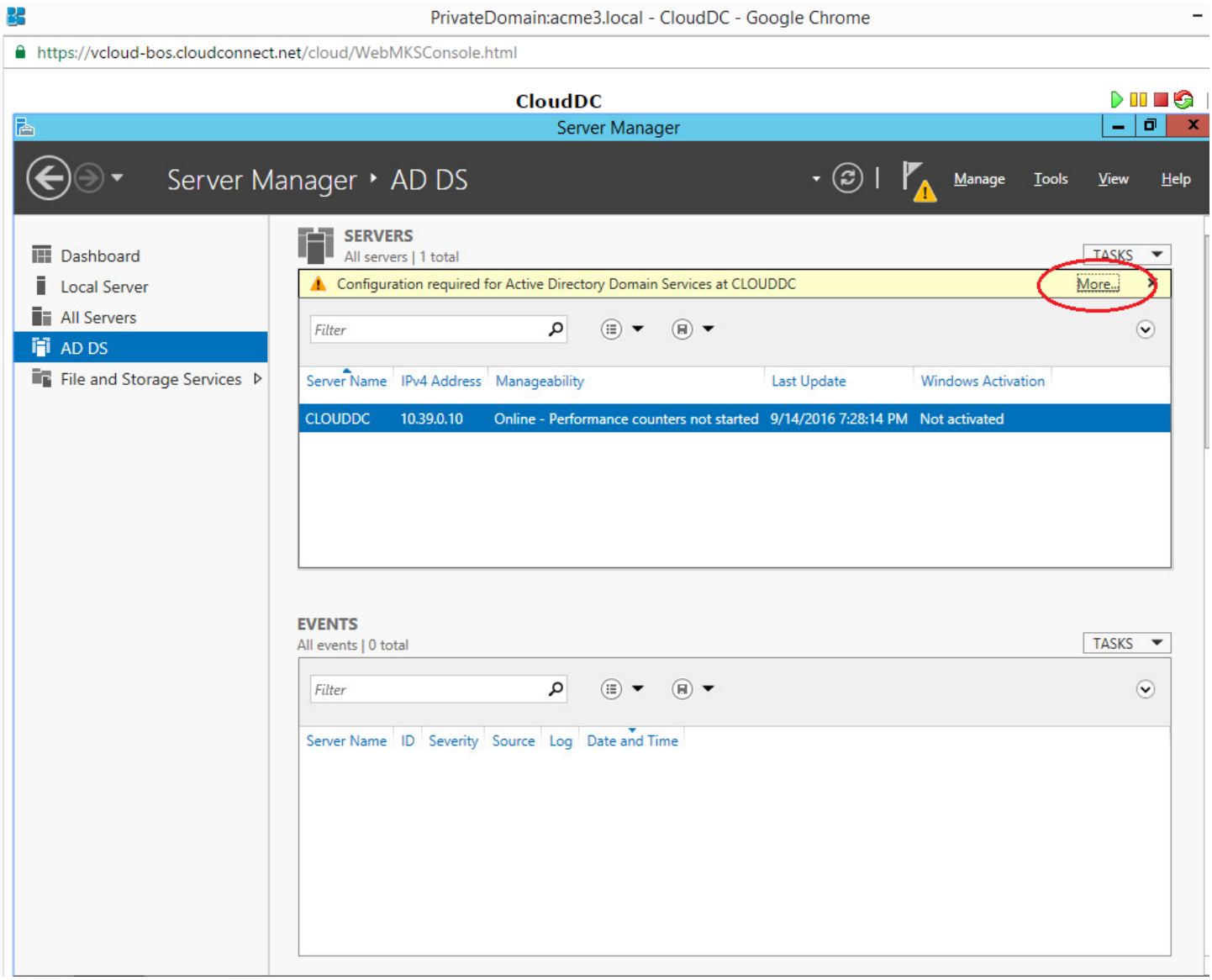

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC

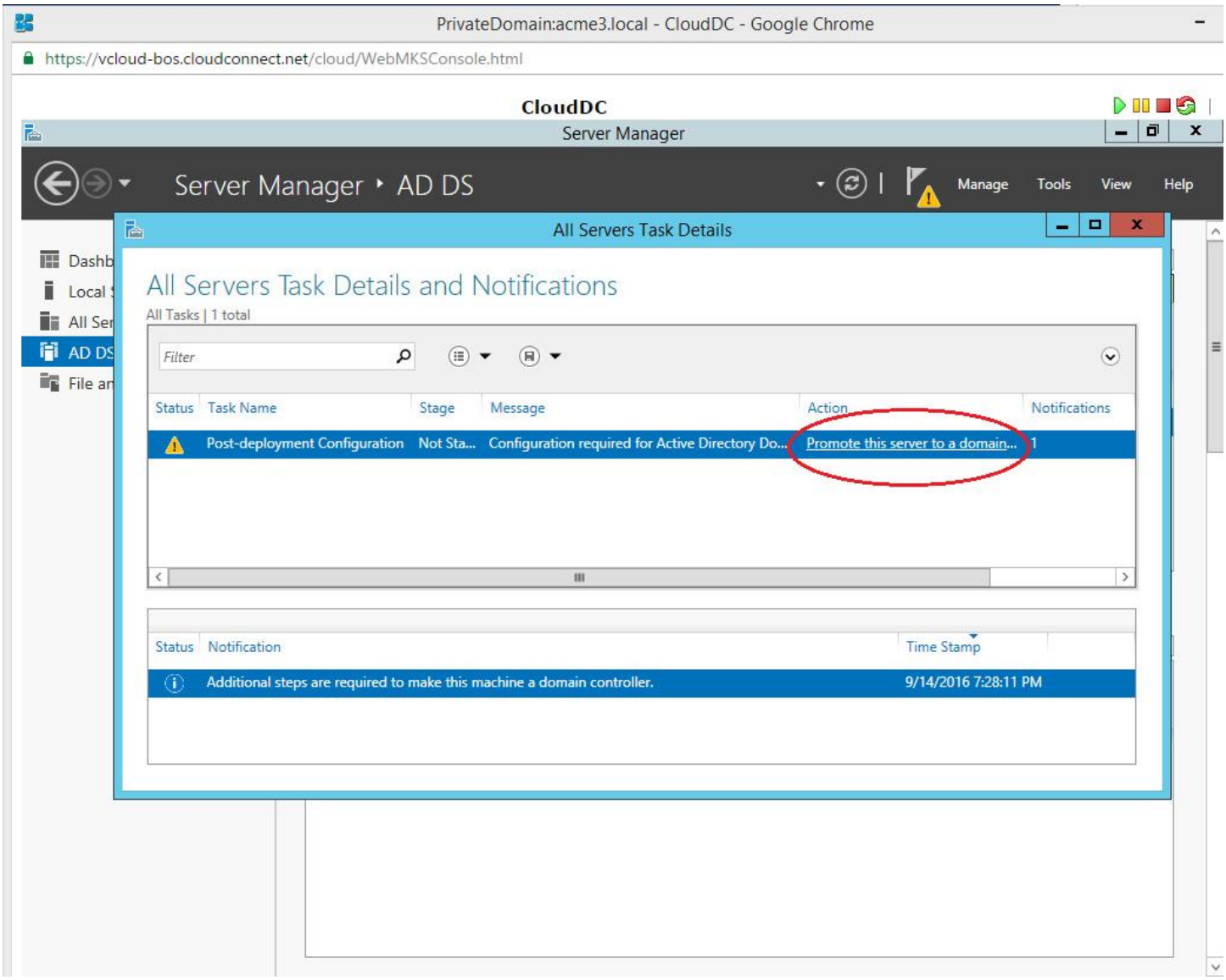

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Other user
administrator@acme3.local
Sign in to: acme3.local
How do I sign in to another domain?
Windows Server 2012 R2

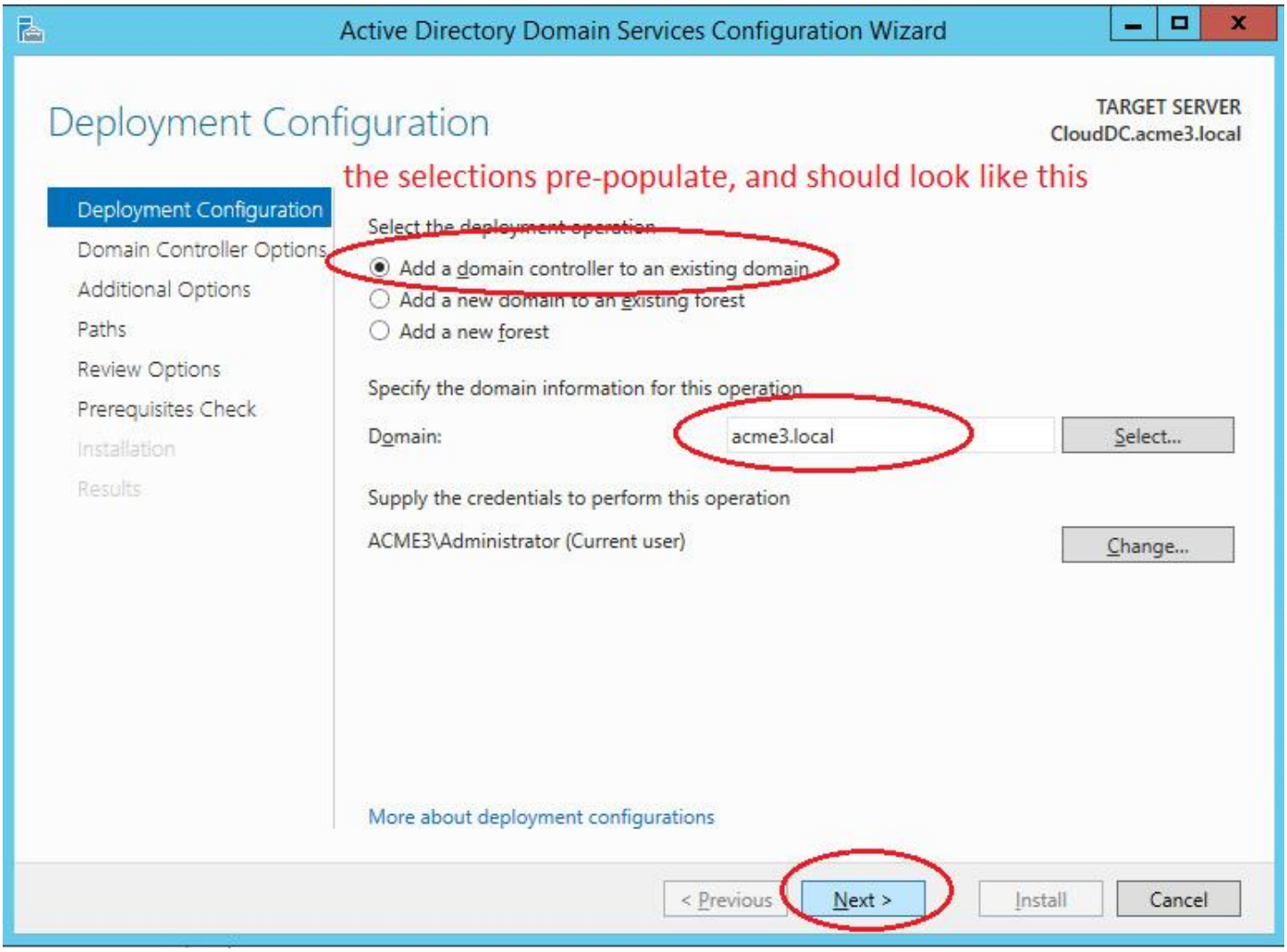

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Server Manager
Server Manager ‣ Dashboard
Manage
Tools
View
Help
Add Roles and Features
Remove Roles and Features
Add Servers
Create Server Group
Server Manager Properties
Dashboard
Local Server
All Servers
File and Storage Services
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
5 Connect this server to cloud services
Hide
ROLES AND SERVER GROUPS
Roles: 1 | Server groups: 1 | Servers total: 1
File and Storage Services 1
Manageability
Events
Performance
BPA results
Local Server 1
Manageability
Events
Services
Performance
BPA results

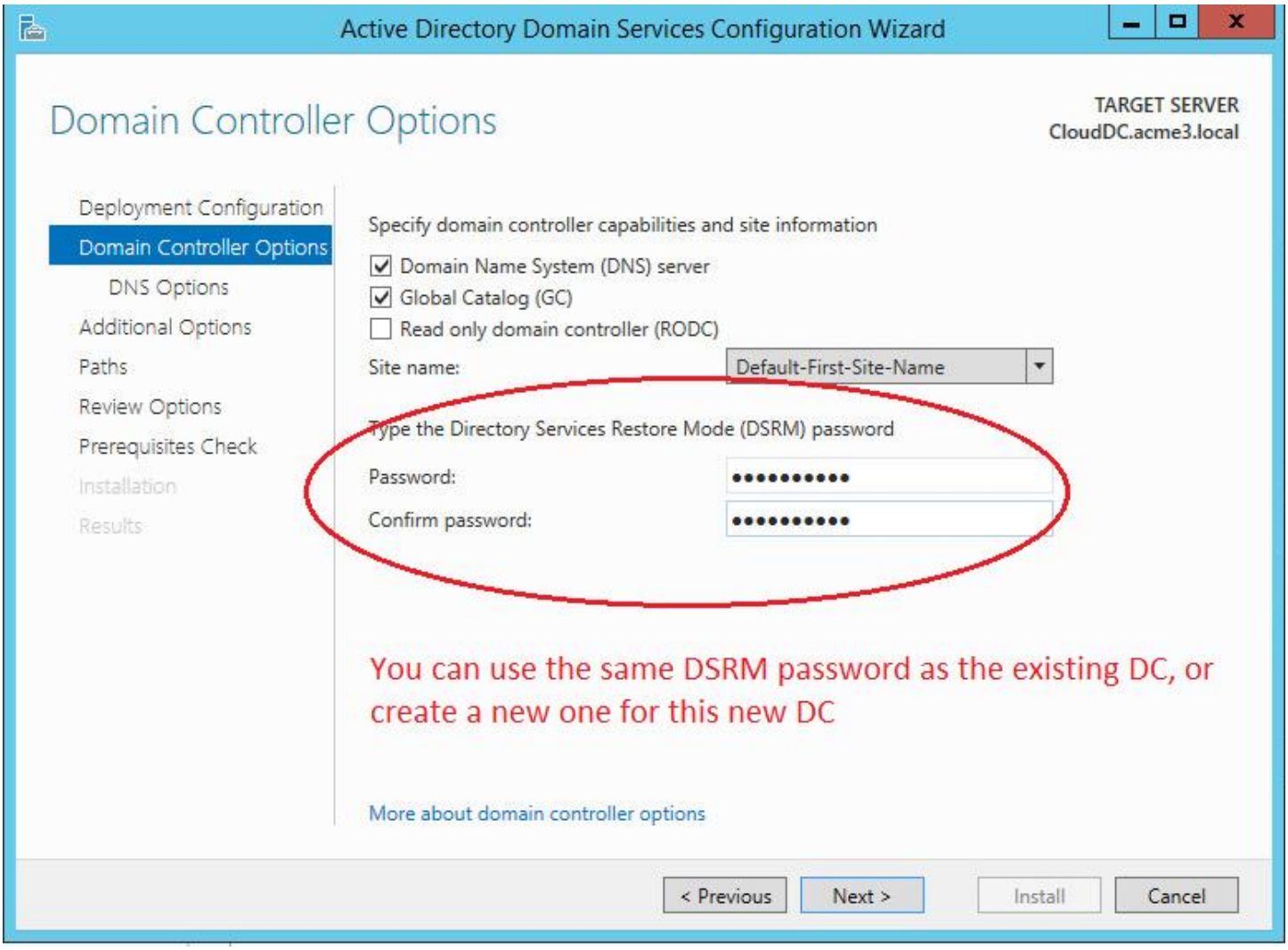

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Server Manager
Server Manager ‣ Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
File and Storag
WELCOME TO SERVER MANAGER
Add Roles and Features Wizard
Select server roles
DESTINATION SERVER
CloudDC.acme3.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
Select one or more roles to install on the selected server.
Roles
Active Directory Certificate Services
Active Directory Domain Services
Active Directory Federation Services
Active Directory Lightweight Directory Services
Active Directory Rights Management Services
Application Server
DHCP Server
DNS Server
Fax Server
File and Storage Services (1 of 12 installed)
Hyper-V
Network Policy and Access Services
Print and Document Services
Remote Access
Remote Desktop Services
Description
Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.
Hide
< Previous
Next >
Install
Cancel

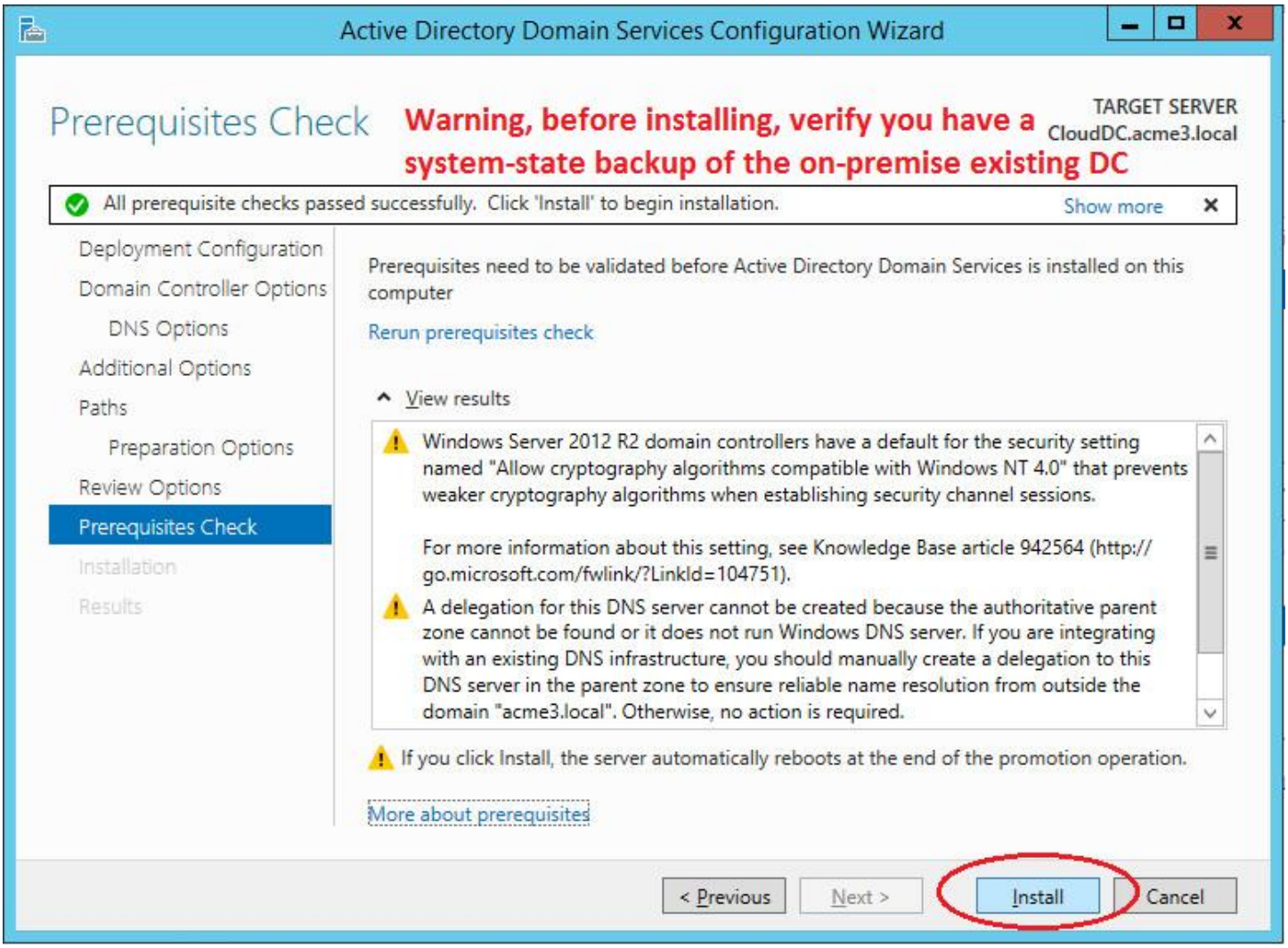

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Server Manager
Server Manager ‣ Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
File and Storag
WELCOME TO SERVER MANAGER
Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
CloudDC.acme3.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
View installation progress
Feature installation
Installation started on CloudDC.acme3.local
Active Directory Domain Services
Group Policy Management
Remote Server Administration Tools
Role Administration Tools
Active Directory Certificate Services Tools
Certification Authority Management Tools
AD DS and AD LDS Tools
AD DS Tools
AD DS Snap-Ins and Command-Line Tools
Active Directory Administrative Center
Active Directory module for Windows PowerShell
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
< Previous
Next >
Close
Cancel
Hide

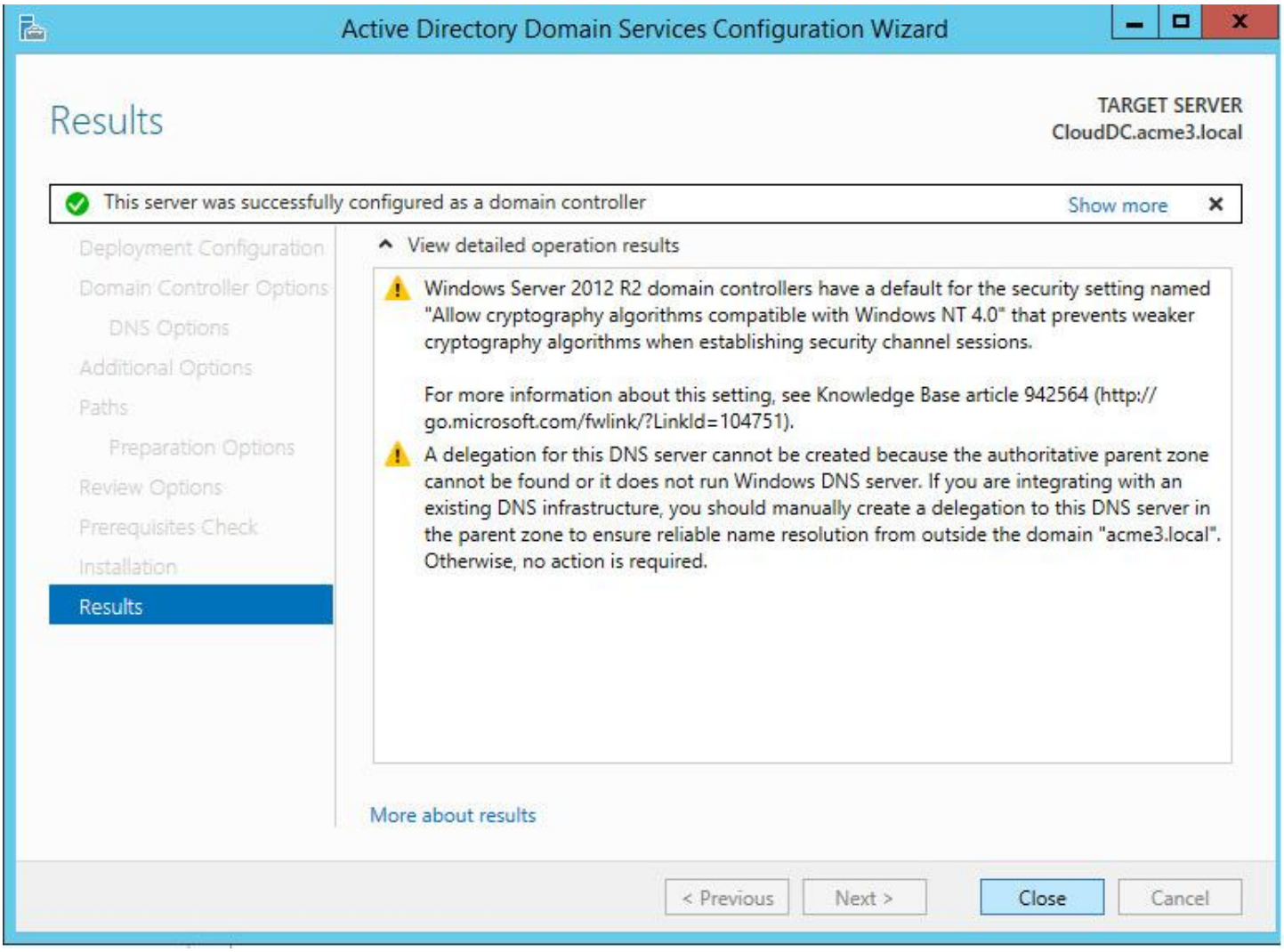

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Server Manager
Server Manager ‣ AD DS
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
AD DS
File and Storage Services
SERVERS
All servers | 1 total
TASKS
Configuration required for Active Directory Domain Services at CLOUDDC
More...
Filter
Server Name
IPv4 Address
Manageability
Last Update
Windows Activation
CLOUDDC
10.39.0.10
Online - Performance counters not started
9/14/2016 7:28:14 PM
Not activated
EVENTS
All events | 0 total
TASKS
Filter
Server Name
ID
Severity
Source
Log
Date and Time

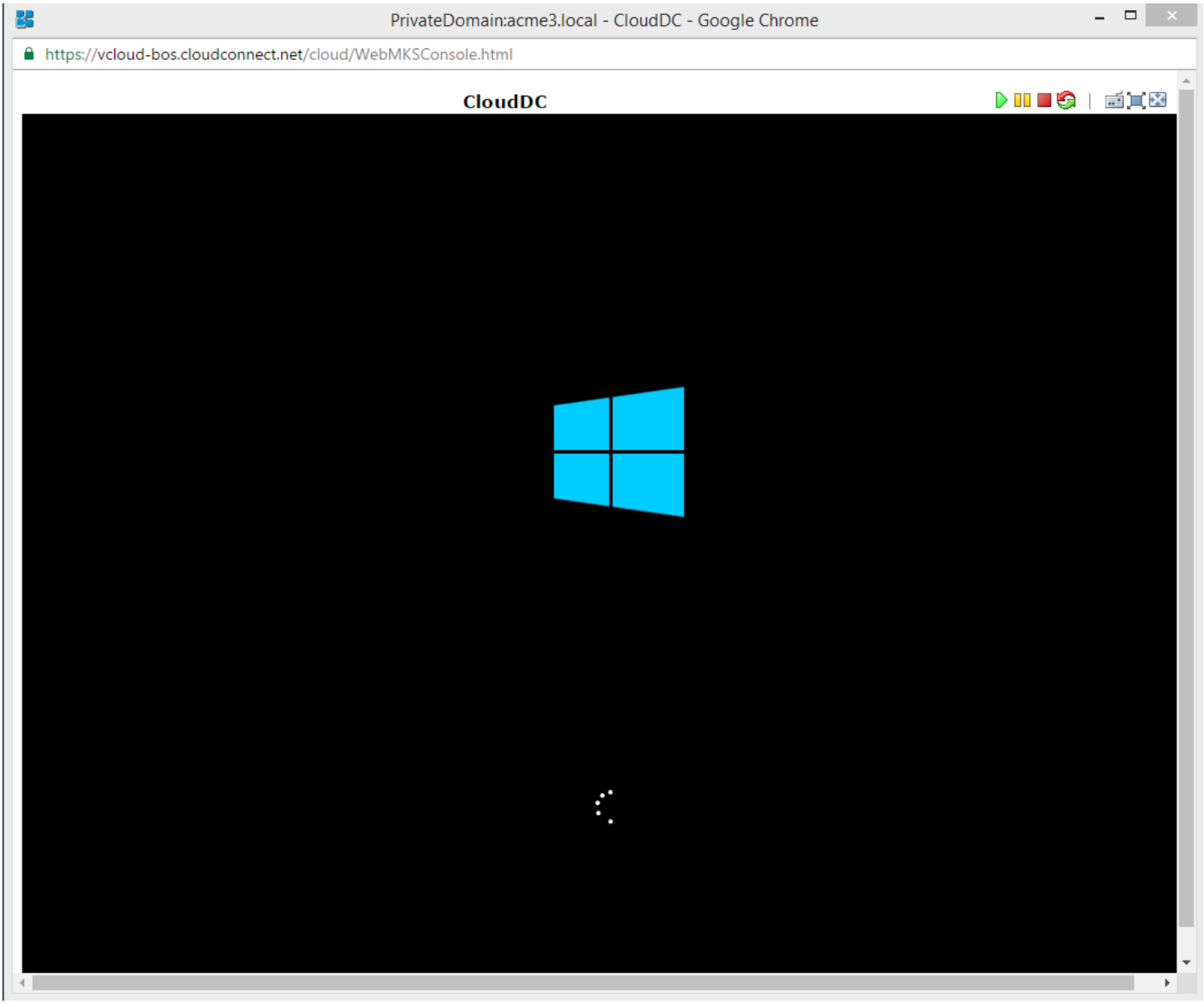

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Server Manager
Server Manager ‣ AD DS
Manage
Tools
View
Help
All Servers Task Details
All Servers Task Details and Notifications
All Tasks | 1 total
Filter
Status
Task Name
Stage
Message
Action
Notifications
Post-deployment Configuration
Not Sta...
Configuration required for Active Directory Do...
Promote this server to a domain...
1
Status
Notification
Time Stamp
Additional steps are required to make this machine a domain controller.
9/14/2016 7:28:11 PM

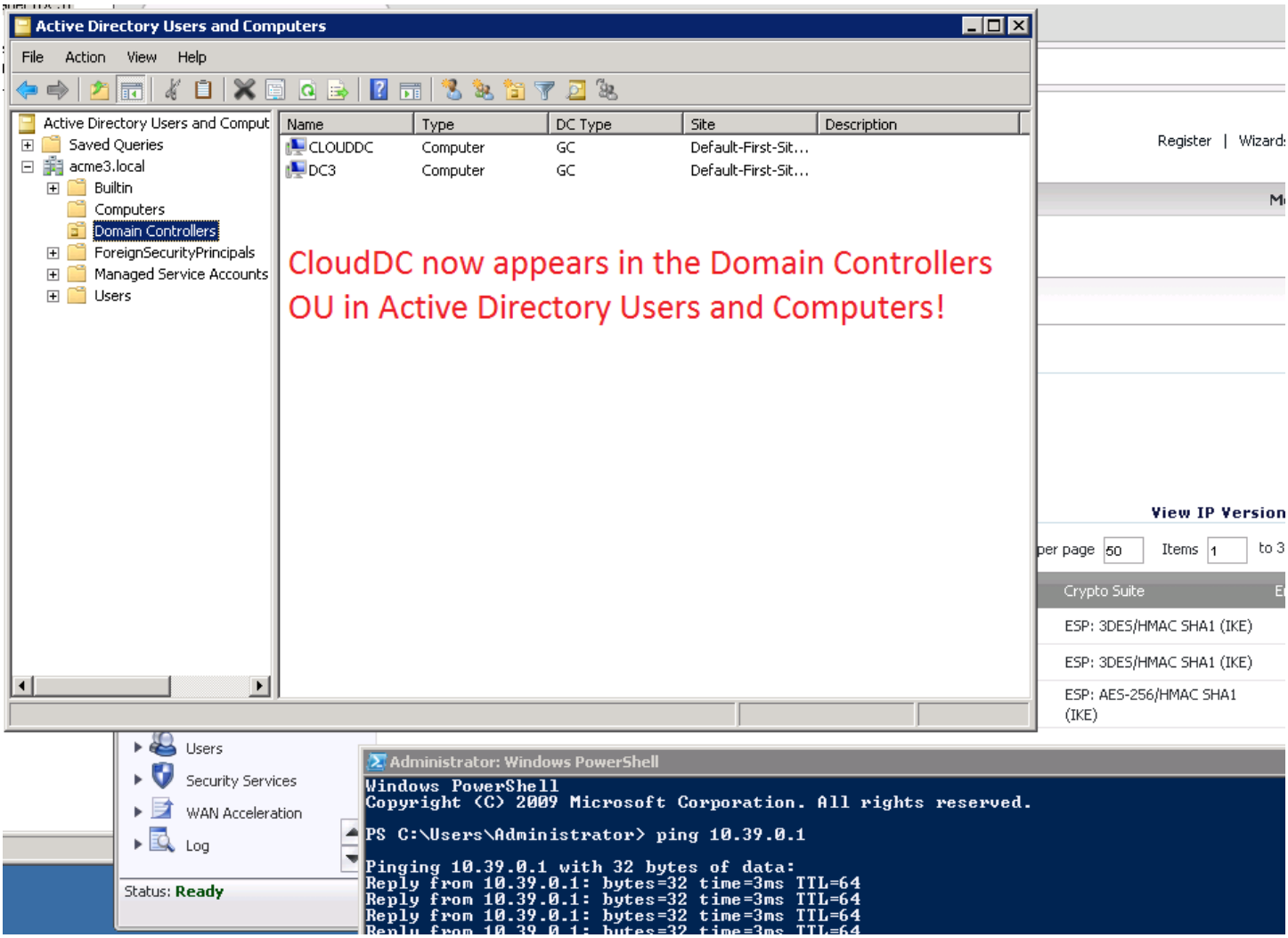

Active Directory Domain Services Configuration Wizard
Deployment Configuration
TARGET SERVER
CloudDC.acme3.local
the selections pre-populate, and should look like this
Deployment Configuration
Domain Controller Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Select the deployment operation
Add a domain controller to an existing domain
Add a new domain to an existing forest
Add a new forest
Specify the domain information for this operation
Domain:
acme3.local
Select...
Supply the credentials to perform this operation
ACME3\Administrator (Current user)
Change...
More about deployment configurations
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Domain Controller Options
TARGET SERVER
CloudDC.acme3.local
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Specify domain controller capabilities and site information
Domain Name System (DNS) server
Global Catalog (GC)
Read only domain controller (RODC)
Site name:
Default-First-Site-Name
Type the Directory Services Restore Mode (DSRM) password
Password:
Confirm password:
You can use the same DSRM password as the existing DC, or create a new one for this new DC
More about domain controller options
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Prerequisites Check
Warning, before installing, verify you have a system-state backup of the on-premise existing DC
TARGET SERVER
CloudDC.acme3.local
All prerequisite checks passed successfully. Click 'Install' to begin installation.
Show more
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Preparation Options
Review Options
Prerequisites Check
Installation
Results
Prerequisites need to be validated before Active Directory Domain Services is installed on this computer
Rerun prerequisites check
View results
Windows Server 2012 R2 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
For more information about this setting, see Knowledge Base article 942564 (http://go.microsoft.com/fwlink/?LinkId=104751).
A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found or it does not run Windows DNS server. If you are integrating with an existing DNS infrastructure, you should manually create a delegation to this DNS server in the parent zone to ensure reliable name resolution from outside the domain "acme3.local". Otherwise, no action is required.
If you click Install, the server automatically reboots at the end of the promotion operation.
More about prerequisites
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Results
TARGET SERVER
CloudDC.acme3.local
This server was successfully configured as a domain controller
Show more
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Preparation Options
Review Options
Prerequisites Check
Installation
Results
View detailed operation results
Windows Server 2012 R2 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
For more information about this setting, see Knowledge Base article 942564 (http://go.microsoft.com/fwlink/?LinkId=104751).
A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found or it does not run Windows DNS server. If you are integrating with an existing DNS infrastructure, you should manually create a delegation to this DNS server in the parent zone to ensure reliable name resolution from outside the domain "acme3.local". Otherwise, no action is required.
More about results
< Previous
Next >
Close
Cancel


PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC


Active Directory Users and Computers
File Action View Help
Active Directory Users and Comput
Saved Queries
acme3.local
Builtin
Computers
Domain Controllers
ForeignSecurityPrincipals
Managed Service Accounts
Users
Name Type DC Type Site Description
CLOUDDC Computer GC Default-First-Sit...
DC3 Computer GC Default-First-Sit...
CloudDC now appears in the Domain Controllers OU in Active Directory Users and Computers!
Register | Wizard
View IP Version
per page 50 Items 1 to 3
Crypto Suite
ESP: 3DES/HMAC SHA1 (IKE)
ESP: 3DES/HMAC SHA1 (IKE)
ESP: AES-256/HMAC SHA1 (IKE)
Users
Security Services
WAN Acceleration
Log
Status: Ready
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights reserved.
PS C:\Users\Administrator> ping 10.39.0.1
Pinging 10.39.0.1 with 32 bytes of data:
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64

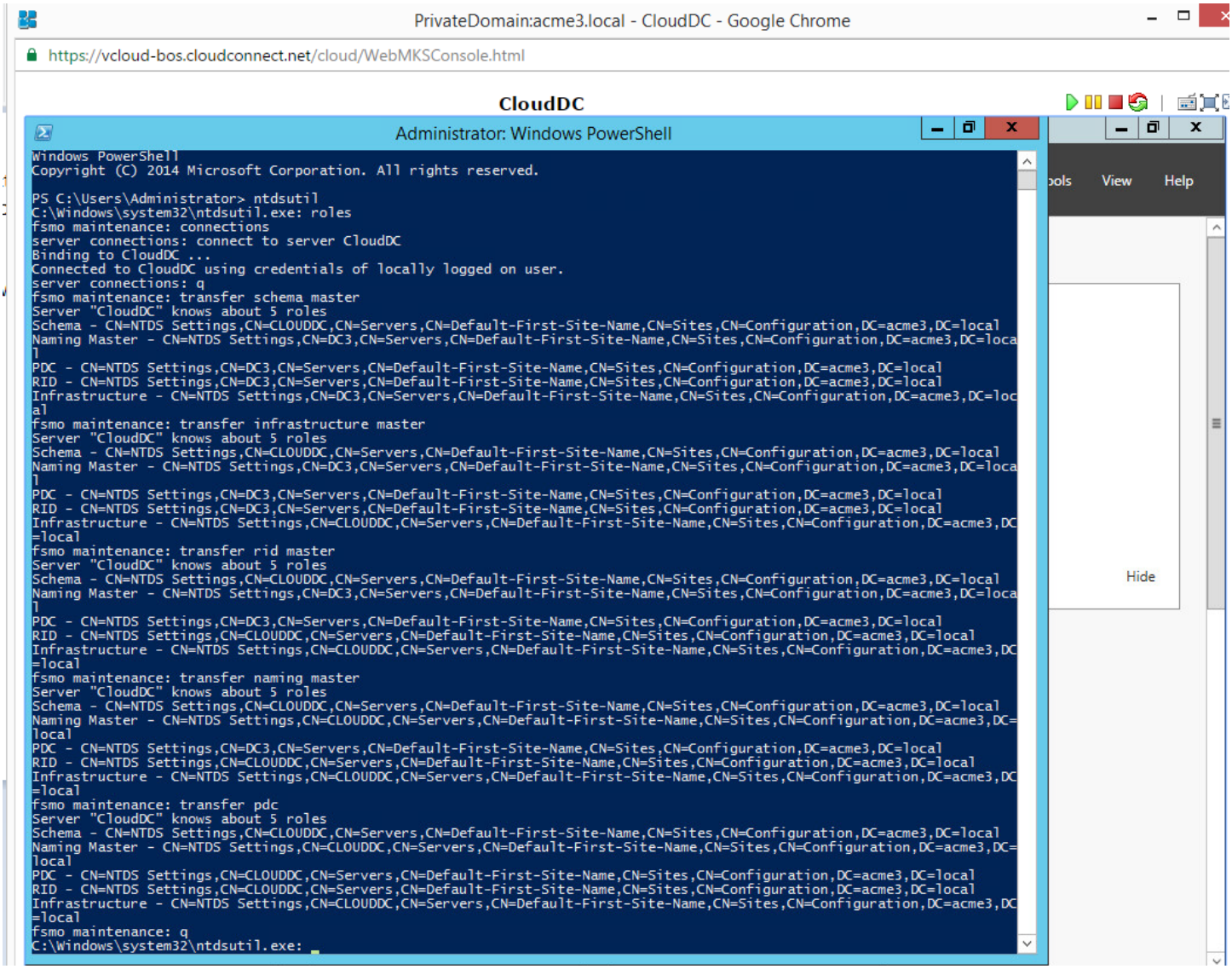
Transfer FSMO Roles to the Cloud

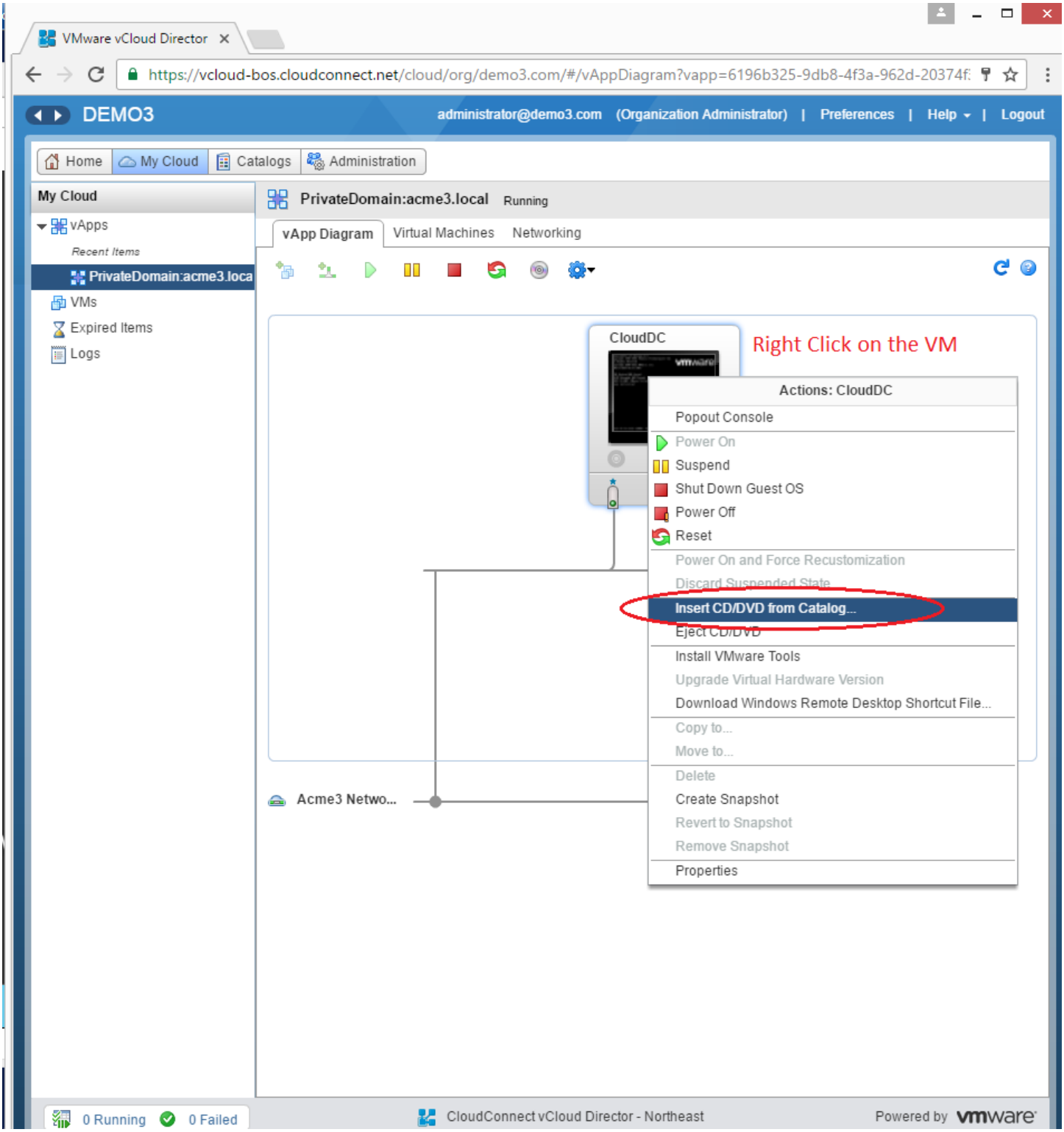
CloudConnect requires all registered Domain Controllers runnign on CloudConnect hold the 5 FSMO roles. Before running Domain Controller Configuration Utility, you must transfer the roles following Microsoft KB 255504:

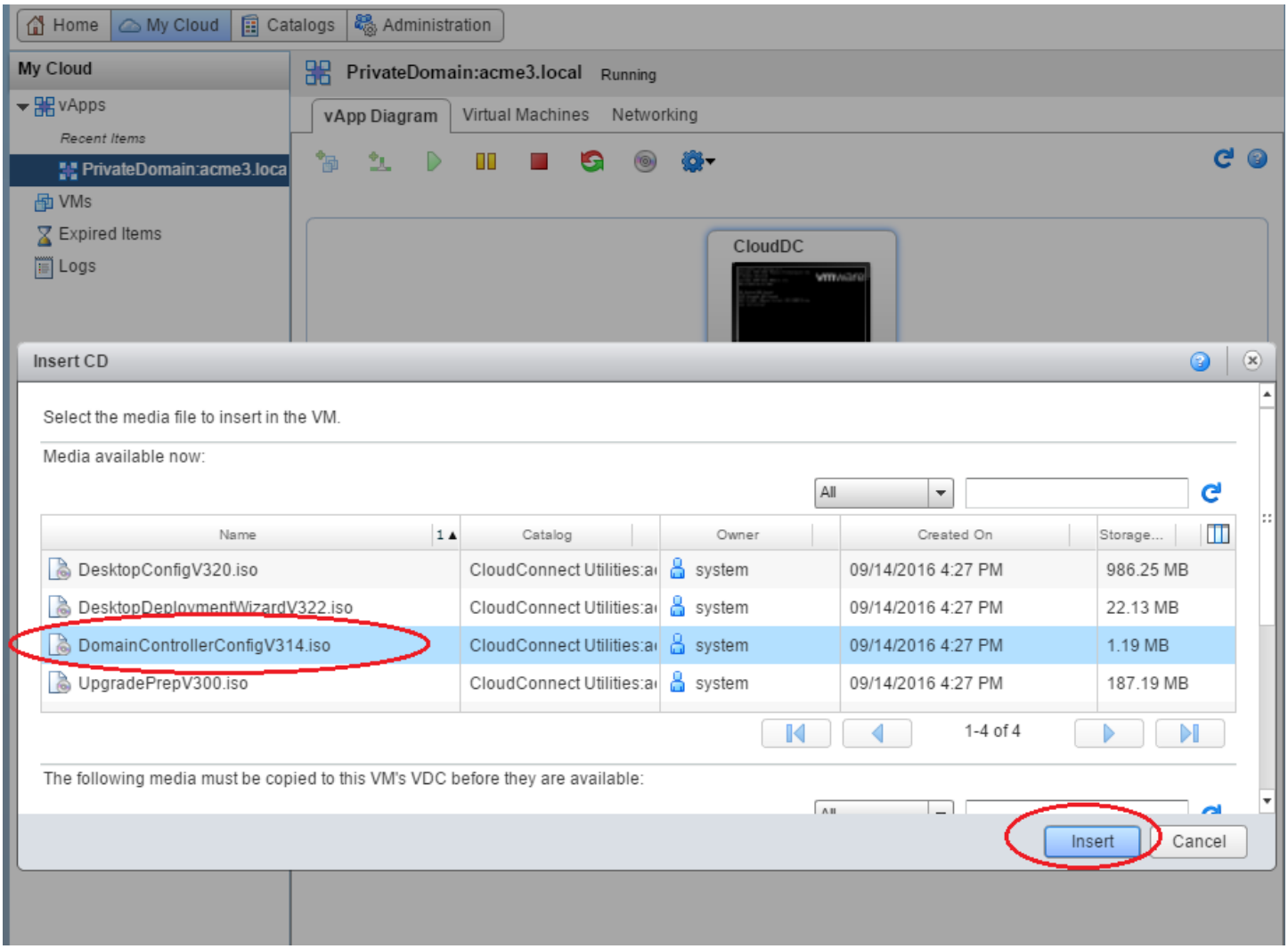
On any DC, open a PowerShell Terminal or a Command Prompt and type the following:

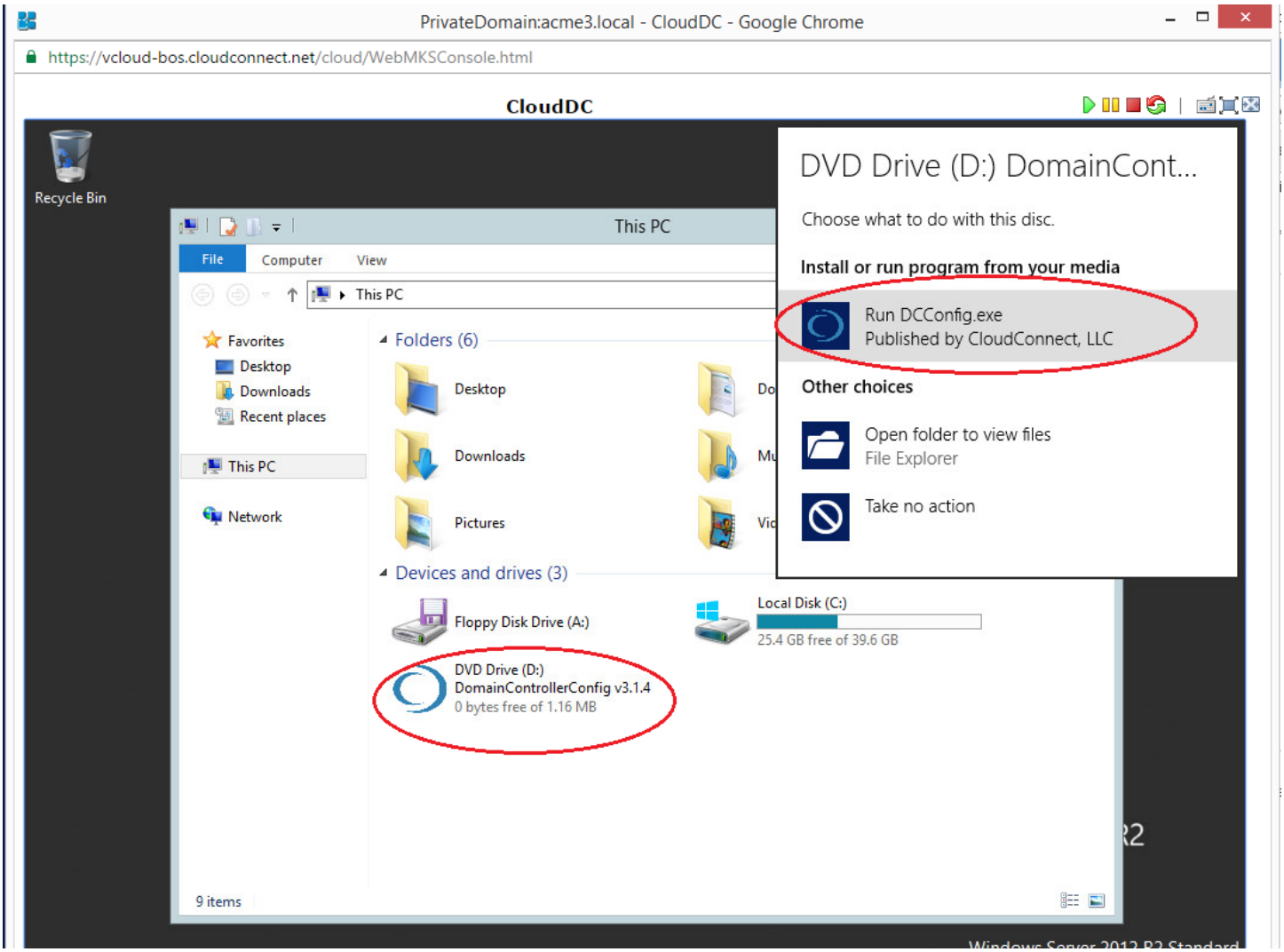
ntdsutil </ENTER>
roles </ENTER>
connections </ENTER>
connect to server **CloudDC** </Enter>
q </ENTER>
transfer schema master </ENTER>
transfer infrastructure master </ENTER>
transfer RID master </ENTER>
transfer naming master </ENTER>
transfer pdc </ENTER>
q </ENTER>
q </ENTER>
exit </ENTER>

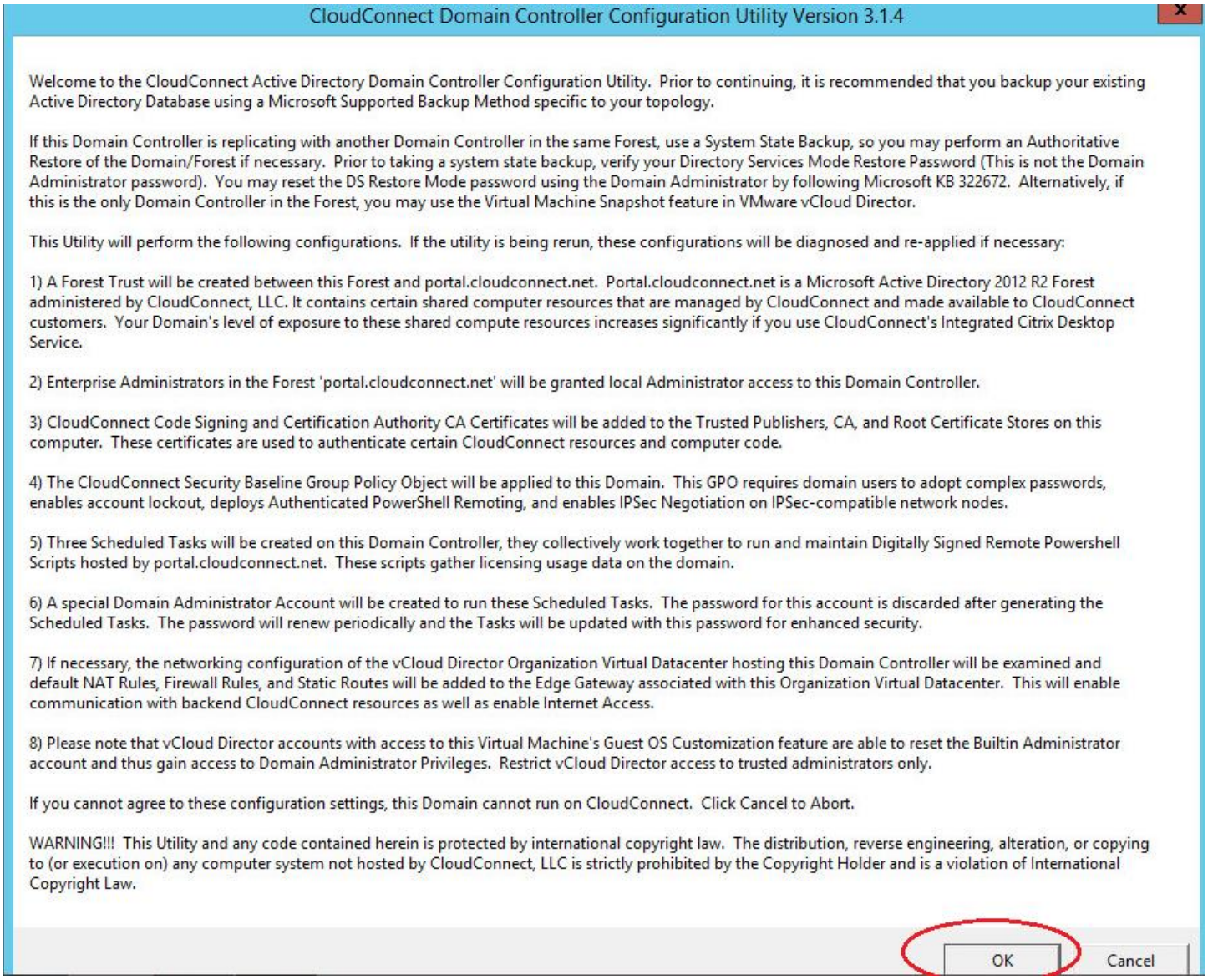
Note: **CloudDC** is the DNS name of the newly created Domain Controller. Wait approximately 5 minutes for replication to complete.

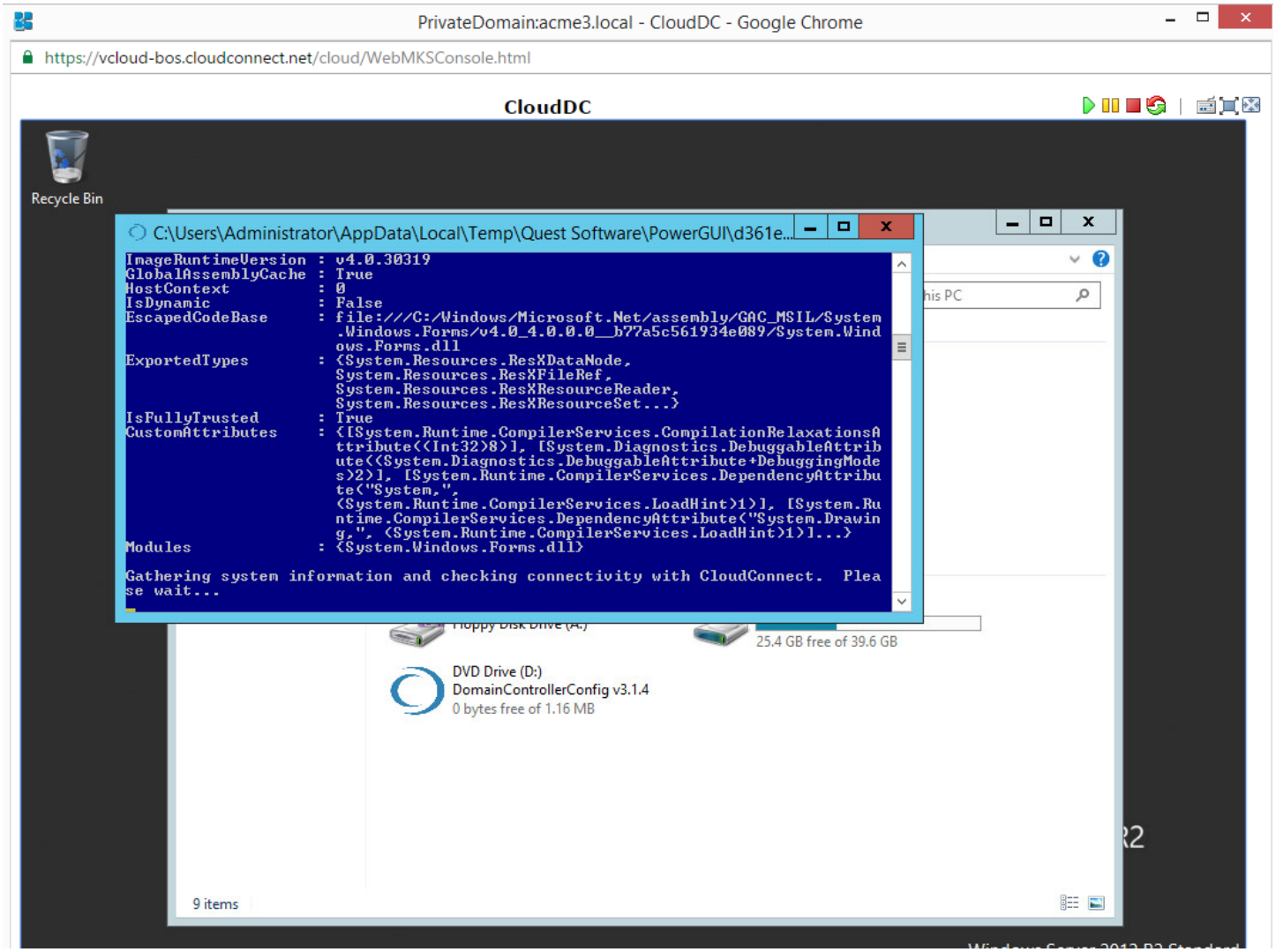

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.
PS C:\Users\Administrator> ntdsutil
C:\Windows\system32\ntdsutil.exe: roles
fsmo maintenance: connections
server connections: connect to server CloudDC
Binding to CloudDC ...
Connected to CloudDC using credentials of locally logged on user.
server connections: q
fsmo maintenance: transfer schema master
Server "CloudDC" knows about 5 roles
Schema - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Naming Master - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
PDC - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
RID - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Infrastructure - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
fsmo maintenance: transfer infrastructure master
Server "CloudDC" knows about 5 roles
Schema - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Naming Master - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
PDC - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
RID - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Infrastructure - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
fsmo maintenance: transfer rid master
Server "CloudDC" knows about 5 roles
Schema - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Naming Master - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
PDC - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
RID - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Infrastructure - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
fsmo maintenance: transfer naming master
Server "CloudDC" knows about 5 roles
Schema - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Naming Master - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
PDC - CN=NTDS Settings,CN=DC3,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
RID - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Infrastructure - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
fsmo maintenance: transfer pdc
Server "CloudDC" knows about 5 roles
Schema - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Naming Master - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
PDC - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
RID - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
Infrastructure - CN=NTDS Settings,CN=CLOUDDC,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Configuration,DC=acme3,DC=local
fsmo maintenance: q
C:\Windows\system32\ntdsutil.exe:
ools
View
Help
Hide

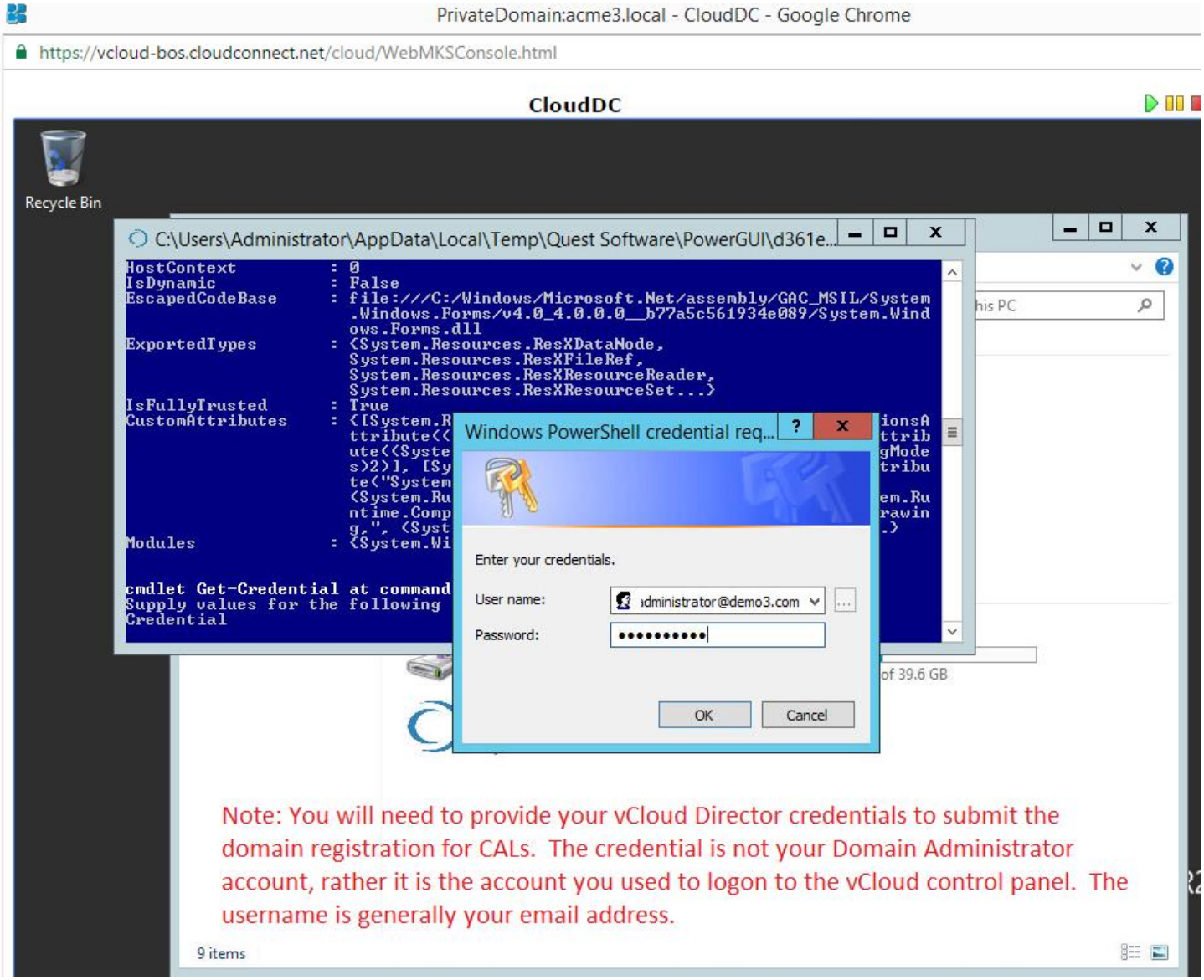

VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/vAppDiagram?vapp=6196b325-9db8-4f3a-962d-20374f
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help | Logout
Home
My Cloud
Catalogs
Administration
My Cloud
vApps
Recent Items
PrivateDomain:acme3.loca
VMs
Expired Items
Logs
PrivateDomain:acme3.local Running
vApp Diagram
Virtual Machines
Networking
CloudDC
Right Click on the VM
Actions: CloudDC
Popout Console
Power On
Suspend
Shut Down Guest OS
Power Off
Reset
Power On and Force Recustomization
Discard Suspended State
Insert CD/DVD from Catalog...
Eject CD/DVD
Install VMware Tools
Upgrade Virtual Hardware Version
Download Windows Remote Desktop Shortcut File...
Copy to...
Move to...
Delete
Create Snapshot
Revert to Snapshot
Remove Snapshot
Properties
Acme3 Netwo...
0 Running
0 Failed
CloudConnect vCloud Director - Northeast
Powered by vmware

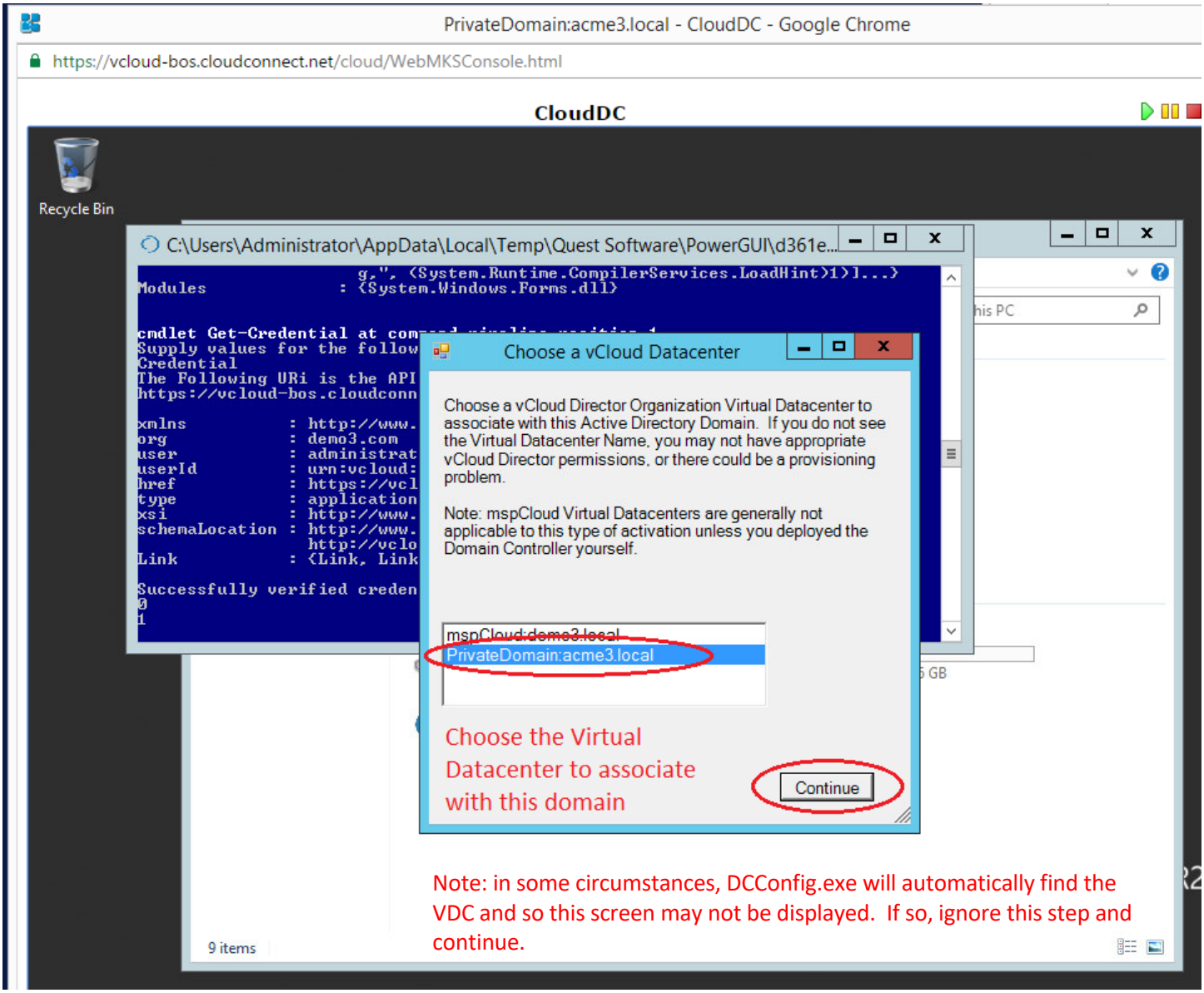

Home
My Cloud
Catalogs
Administration
My Cloud
vApps
Recent Items
PrivateDomain:acme3.loca
VMs
Expired Items
Logs
PrivateDomain:acme3.local
Running
vApp Diagram
Virtual Machines
Networking
CloudDC
Insert CD
Select the media file to insert in the VM.
Media available now:
All
Name
Catalog
Owner
Created On
Storage...
DesktopConfigV320.iso
CloudConnect Utilities:a
system
09/14/2016 4:27 PM
986.25 MB
DesktopDeploymentWizardV322.iso
CloudConnect Utilities:a
system
09/14/2016 4:27 PM
22.13 MB
DomainControllerConfigV314.iso
CloudConnect Utilities:a
system
09/14/2016 4:27 PM
1.19 MB
UpgradePrepV300.iso
CloudConnect Utilities:a
system
09/14/2016 4:27 PM
187.19 MB
1-4 of 4
The following media must be copied to this VM's VDC before they are available:
Insert
Cancel


PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Recycle Bin
This PC
File
Computer
View
This PC
Favorites
Desktop
Downloads
Recent places
This PC
Network
Folders (6)
Desktop
Downloads
Pictures
Devices and drives (3)
Floppy Disk Drive (A:)
DVD Drive (D:)
DomainControllerConfig v3.1.4
0 bytes free of 1.16 MB
Local Disk (C:)
25.4 GB free of 39.6 GB
9 items
DVD Drive (D:) DomainCont...
Choose what to do with this disc.
Install or run program from your media
Run DCConfig.exe
Published by CloudConnect, LLC
Other choices
Open folder to view files
File Explorer
Take no action

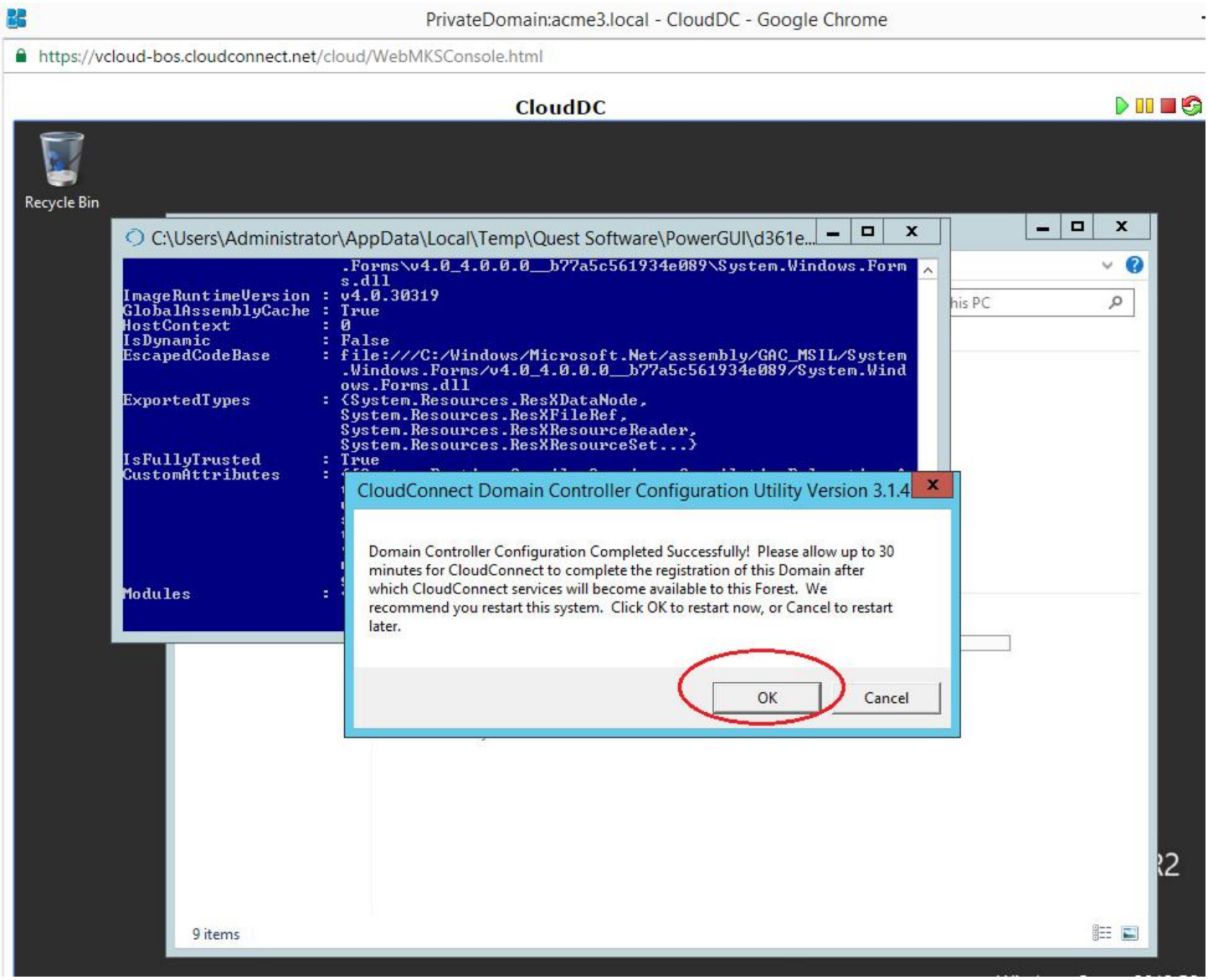

CloudConnect Domain Controller Configuration Utility Version 3.1.4
Welcome to the CloudConnect Active Directory Domain Controller Configuration Utility. Prior to continuing, it is recommended that you backup your existing Active Directory Database using a Microsoft Supported Backup Method specific to your topology.
If this Domain Controller is replicating with another Domain Controller in the same Forest, use a System State Backup, so you may perform an Authoritative Restore of the Domain/Forest if necessary. Prior to taking a system state backup, verify your Directory Services Mode Restore Password (This is not the Domain Administrator password). You may reset the DS Restore Mode password using the Domain Administrator by following Microsoft KB 322672. Alternatively, if this is the only Domain Controller in the Forest, you may use the Virtual Machine Snapshot feature in VMware vCloud Director.
This Utility will perform the following configurations. If the utility is being rerun, these configurations will be diagnosed and re-applied if necessary:
1) A Forest Trust will be created between this Forest and portal.cloudconnect.net. Portal.cloudconnect.net is a Microsoft Active Directory 2012 R2 Forest administered by CloudConnect, LLC. It contains certain shared computer resources that are managed by CloudConnect and made available to CloudConnect customers. Your Domain's level of exposure to these shared compute resources increases significantly if you use CloudConnect's Integrated Citrix Desktop Service.
2) Enterprise Administrators in the Forest 'portal.cloudconnect.net' will be granted local Administrator access to this Domain Controller.
3) CloudConnect Code Signing and Certification Authority CA Certificates will be added to the Trusted Publishers, CA, and Root Certificate Stores on this computer. These certificates are used to authenticate certain CloudConnect resources and computer code.
4) The CloudConnect Security Baseline Group Policy Object will be applied to this Domain. This GPO requires domain users to adopt complex passwords, enables account lockout, deploys Authenticated PowerShell Remoting, and enables IPSec Negotiation on IPSec-compatible network nodes.
5) Three Scheduled Tasks will be created on this Domain Controller, they collectively work together to run and maintain Digitally Signed Remote Powershell Scripts hosted by portal.cloudconnect.net. These scripts gather licensing usage data on the domain.
6) A special Domain Administrator Account will be created to run these Scheduled Tasks. The password for this account is discarded after generating the Scheduled Tasks. The password will renew periodically and the Tasks will be updated with this password for enhanced security.
7) If necessary, the networking configuration of the vCloud Director Organization Virtual Datacenter hosting this Domain Controller will be examined and default NAT Rules, Firewall Rules, and Static Routes will be added to the Edge Gateway associated with this Organization Virtual Datacenter. This will enable communication with backend CloudConnect resources as well as enable Internet Access.
8) Please note that vCloud Director accounts with access to this Virtual Machine's Guest OS Customization feature are able to reset the Builtin Administrator account and thus gain access to Domain Administrator Privileges. Restrict vCloud Director access to trusted administrators only.
If you cannot agree to these configuration settings, this Domain cannot run on CloudConnect. Click Cancel to Abort.
WARNING!!! This Utility and any code contained herein is protected by international copyright law. The distribution, reverse engineering, alteration, or copying to (or execution on) any computer system not hosted by CloudConnect, LLC is strictly prohibited by the Copyright Holder and is a violation of International Copyright Law.
OK
Cancel

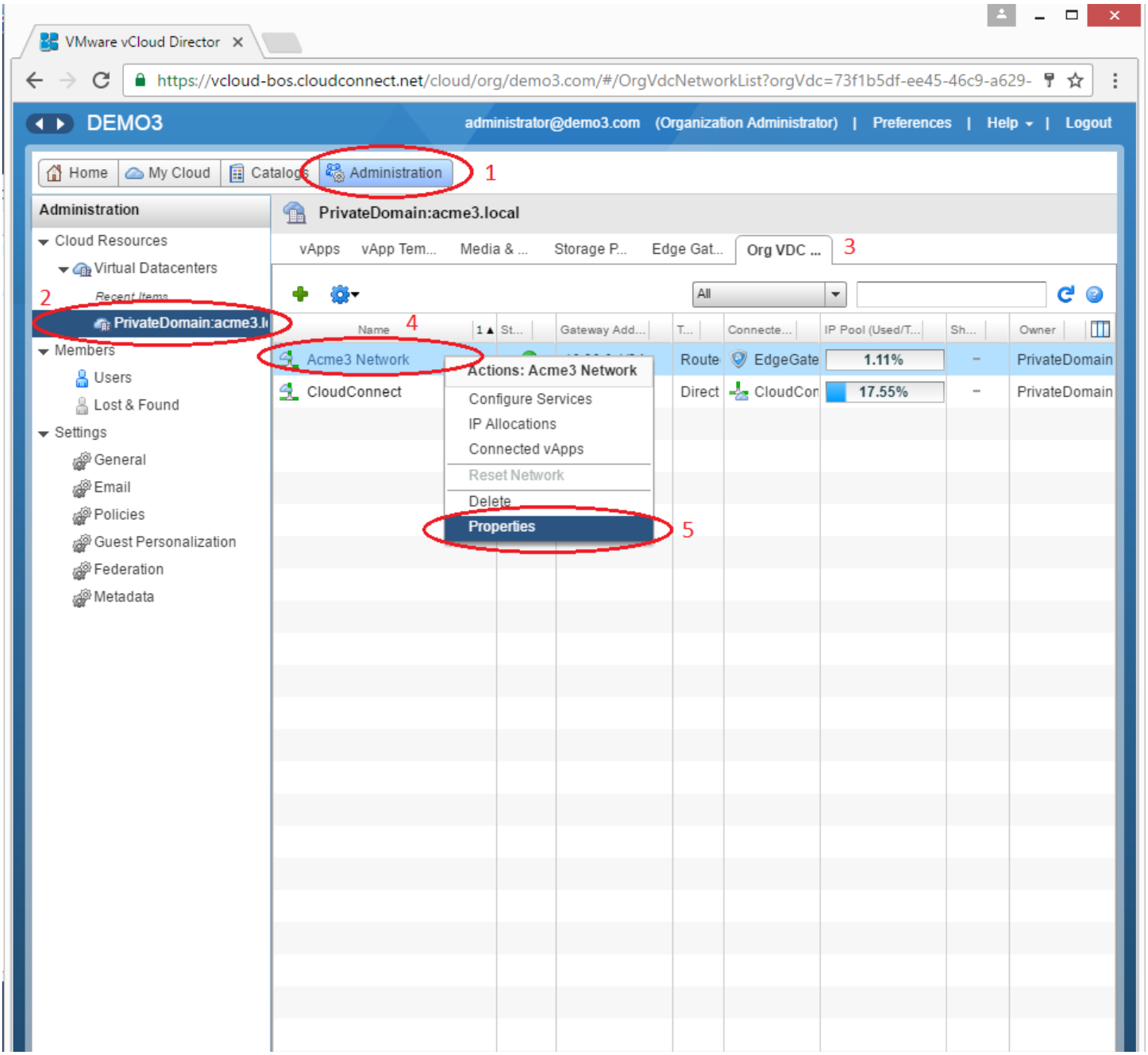

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Recycle Bin
C:\Users\Administrator\AppData\Local\Temp\Quest Software\PowerGUI\d361e...
ImageRuntimeVersion : v4.0.30319
GlobalAssemblyCache : True
HostContext : 0
IsDynamic : False
EscapedCodeBase : file:///C:/Windows/Microsoft.Net/assembly/GAC_MSIL/System.Windows.Forms/v4.0_4.0.0.0__b77a5c561934e089/System.Windows.Forms.dll
ExportedTypes : {System.Resources.ResXDataNode, System.Resources.ResXFileRef, System.Resources.ResXResourceReader, System.Resources.ResXResourceSet...}
IsFullyTrusted : True
CustomAttributes : {[System.Runtime.CompilerServices.CompilationRelaxationsAttribute((Int32)8)], [System.Diagnostics.DebuggableAttribute((System.Diagnostics.DebuggableAttribute+DebuggingModes)2)], [System.Runtime.CompilerServices.DependencyAttribute("System,", (System.Runtime.CompilerServices.LoadHint)1)], [System.Runtime.CompilerServices.DependencyAttribute("System.Drawing,", (System.Runtime.CompilerServices.LoadHint)1)]...}
Modules : {System.Windows.Forms.dll}
Gathering system information and checking connectivity with CloudConnect. Please wait...
25.4 GB free of 39.6 GB
DVD Drive (D:)
DomainControllerConfig v3.1.4
0 bytes free of 1.16 MB
9 items

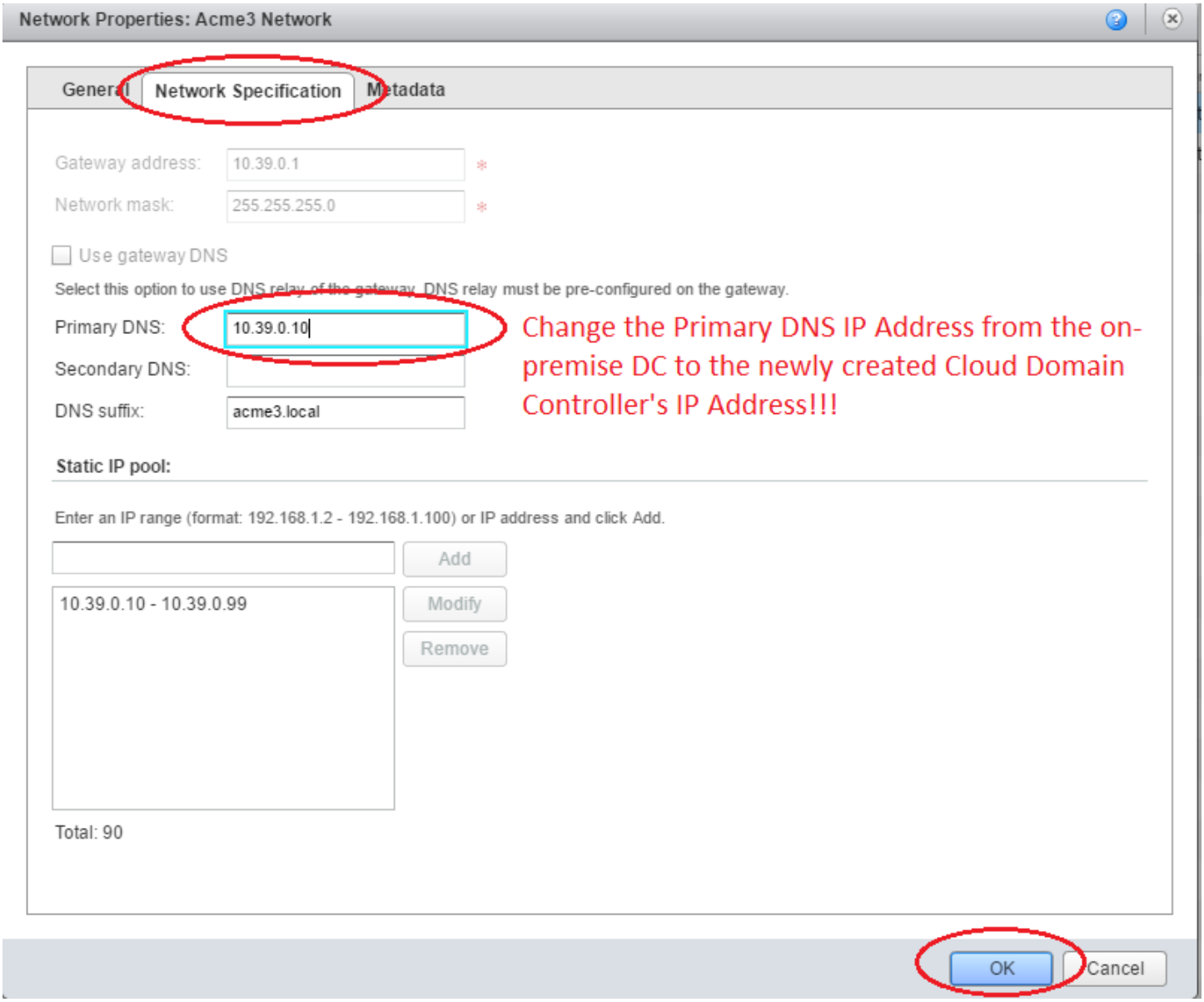

PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Recycle Bin
C:\Users\Administrator\AppData\Local\Temp\Quest Software\PowerGUI\d361e...
HostContext : 0
IsDynamic : False
EscapedCodeBase : file:///C:/Windows/Microsoft.Net/assembly/GAC_MSIL/System.Windows.Forms/v4.0_4.0.0.0__b77a5c561934e089/System.Windows.Forms.dll
ExportedTypes : {System.Resources.ResXDataNode, System.Resources.ResXFileRef, System.Resources.ResXResourceReader, System.Resources.ResXResourceSet...}
IsFullyTrusted : True
CustomAttributes : {[System.R
Modules : {System.Wi
cmdlet Get-Credential at command
Supply values for the following
Credential
Windows PowerShell credential req...
Enter your credentials.
User name:
administrator@demo3.com
Password:
OK
Cancel
of 39.6 GB
Note: You will need to provide your vCloud Director credentials to submit the domain registration for CALs. The credential is not your Domain Administrator account, rather it is the account you used to logon to the vCloud control panel. The username is generally your email address.
9 items



Note: in some circumstances, DCConfig.exe will automatically find the VDC and so this screen may not be displayed. If so, ignore this step and continue.


PrivateDomain:acme3.local - CloudDC - Google Chrome
https://vcloud-bos.cloudconnect.net/cloud/WebMKSConsole.html
CloudDC
Recycle Bin
C:\Users\Administrator\AppData\Local\Temp\Quest Software\PowerGUI\d361e...
.Forms\v4.0_4.0.0.0__b77a5c561934e089\System.Windows.Forms.dll
ImageRuntimeVersion : v4.0.30319
GlobalAssemblyCache : True
HostContext : 0
IsDynamic : False
EscapedCodeBase : file:///C:/Windows/Microsoft.Net/assembly/GAC_MSIL/System.Windows.Forms/v4.0_4.0.0.0__b77a5c561934e089/System.Windows.Forms.dll
ExportedTypes : {System.Resources.ResXDataNode, System.Resources.ResXFileRef, System.Resources.ResXResourceReader, System.Resources.ResXResourceSet...}
IsFullyTrusted : True
CustomAttributes :
Modules :
CloudConnect Domain Controller Configuration Utility Version 3.1.4
Domain Controller Configuration Completed Successfully! Please allow up to 30 minutes for CloudConnect to complete the registration of this Domain after which CloudConnect services will become available to this Forest. We recommend you restart this system. Click OK to restart now, or Cancel to restart later.
OK
Cancel
9 items


VMware vCloud Director
https://vcloud-bos.cloudconnect.net/cloud/org/demo3.com/#/OrgVdcNetworkList?orgVdc=73f1b5df-ee45-46c9-a629-
DEMO3
administrator@demo3.com (Organization Administrator) | Preferences | Help | Logout
Home
My Cloud
Catalogs
Administration
1
Administration
Cloud Resources
Virtual Datacenters
2
Recent Items
PrivateDomain:acme3.l
Members
Users
Lost & Found
Settings
General
Email
Policies
Guest Personalization
Federation
Metadata
PrivateDomain:acme3.local
vApps
vApp Tem...
Media & ...
Storage P...
Edge Gat...
Org VDC ...
3
All
Name
4
1 St...
Gateway Add...
T...
Connecte...
IP Pool (Used/T...
Sh...
Owner
Acme3 Network
Route
EdgeGate
1.11%
PrivateDomain
CloudConnect
Direct
CloudCon
17.55%
PrivateDomain
Actions: Acme3 Network
Configure Services
IP Allocations
Connected vApps
Reset Network
Delete
Properties
5

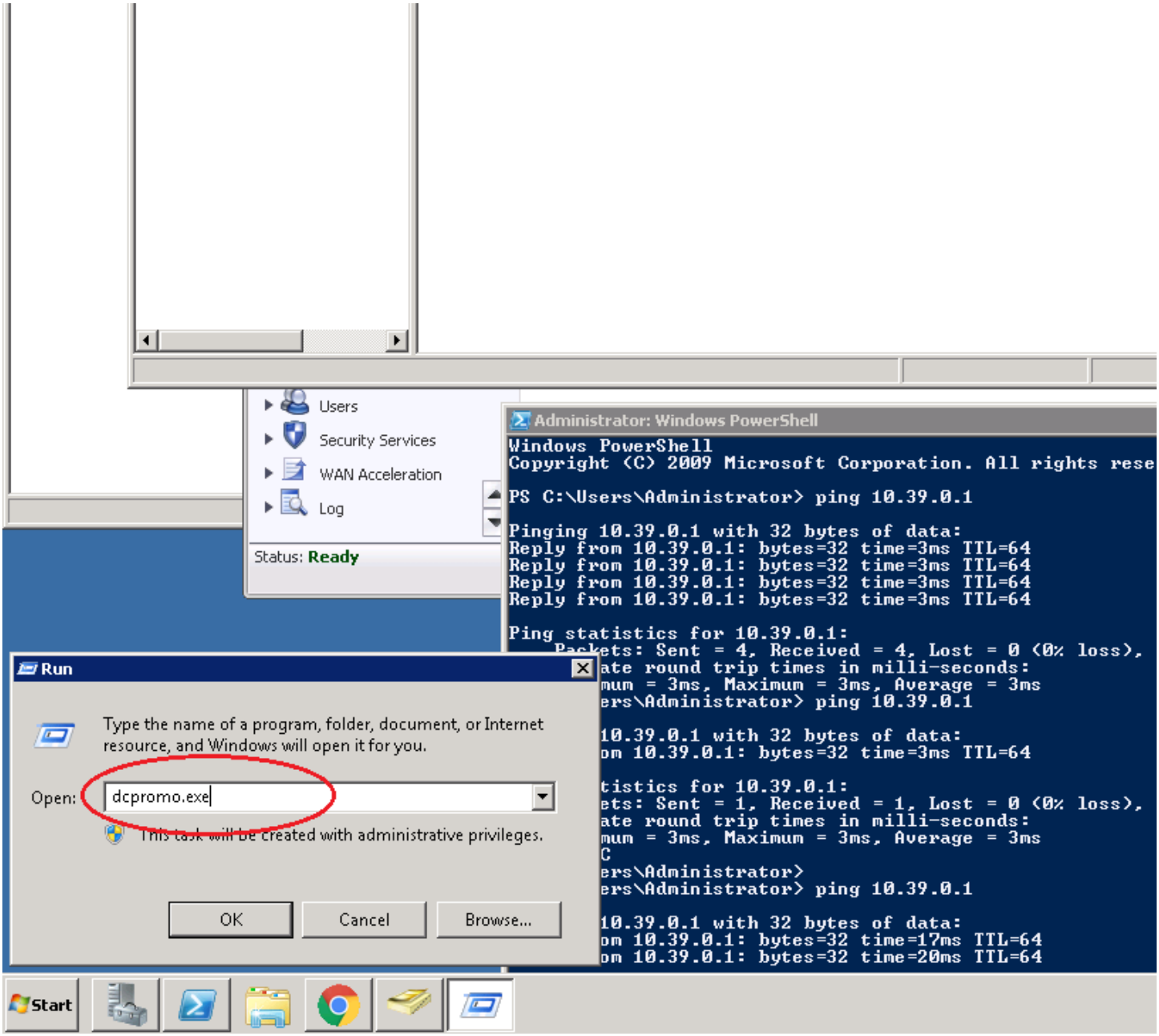

Network Properties: Acme3 Network
General
Network Specification
Metadata
Gateway address:
10.39.0.1
Network mask:
255.255.255.0
Use gateway DNS
Select this option to use DNS relay of the gateway. DNS relay must be pre-configured on the gateway.
Primary DNS:
10.39.0.10
Secondary DNS:
DNS suffix:
acme3.local
Change the Primary DNS IP Address from the on-premise DC to the newly created Cloud Domain Controller's IP Address!!!
Static IP pool:
Enter an IP range (format: 192.168.1.2 - 192.168.1.100) or IP address and click Add.
Add
10.39.0.10 - 10.39.0.99
Modify
Remove
Total: 90
OK
Cancel

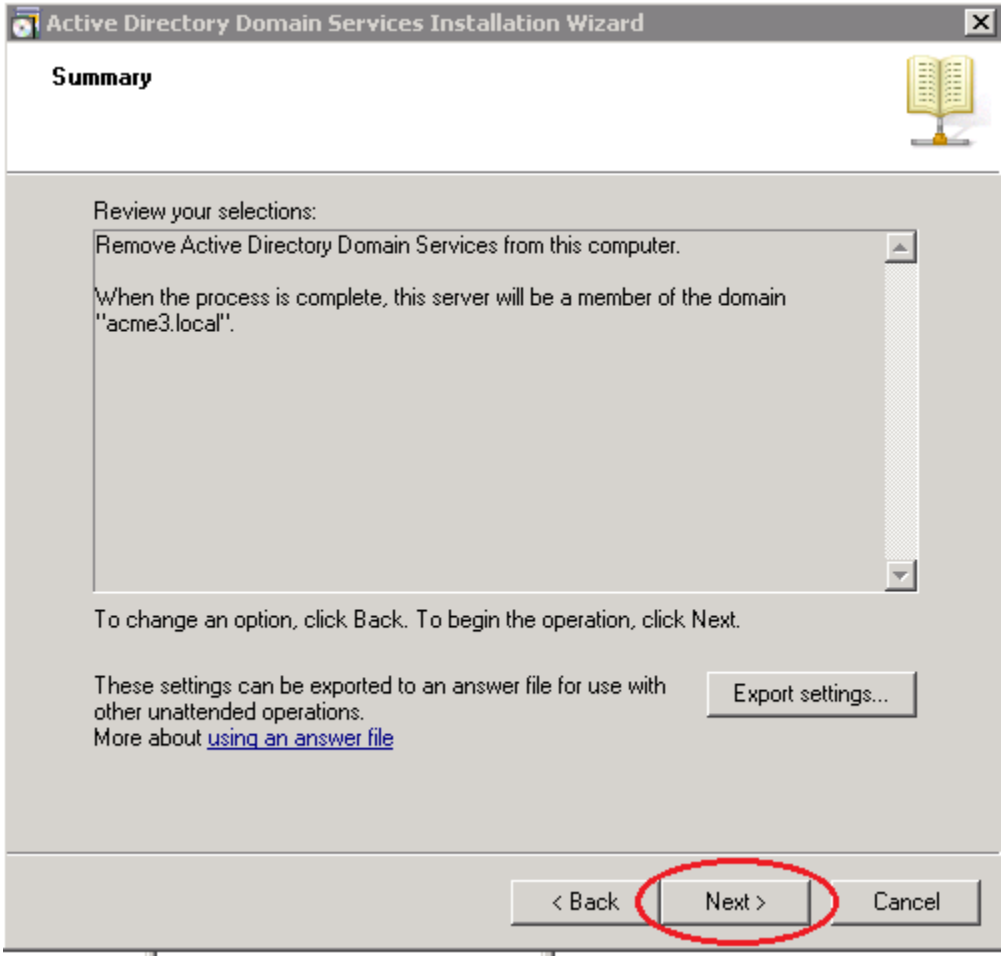
Congratulations!!! Active Directory is now coexisting with the on-premise domain. You may now join newly created servers to the domain and users from the existing domain will be able to access those servers with their existing domain accounts. It may take up to an hour to start receiving CALs.

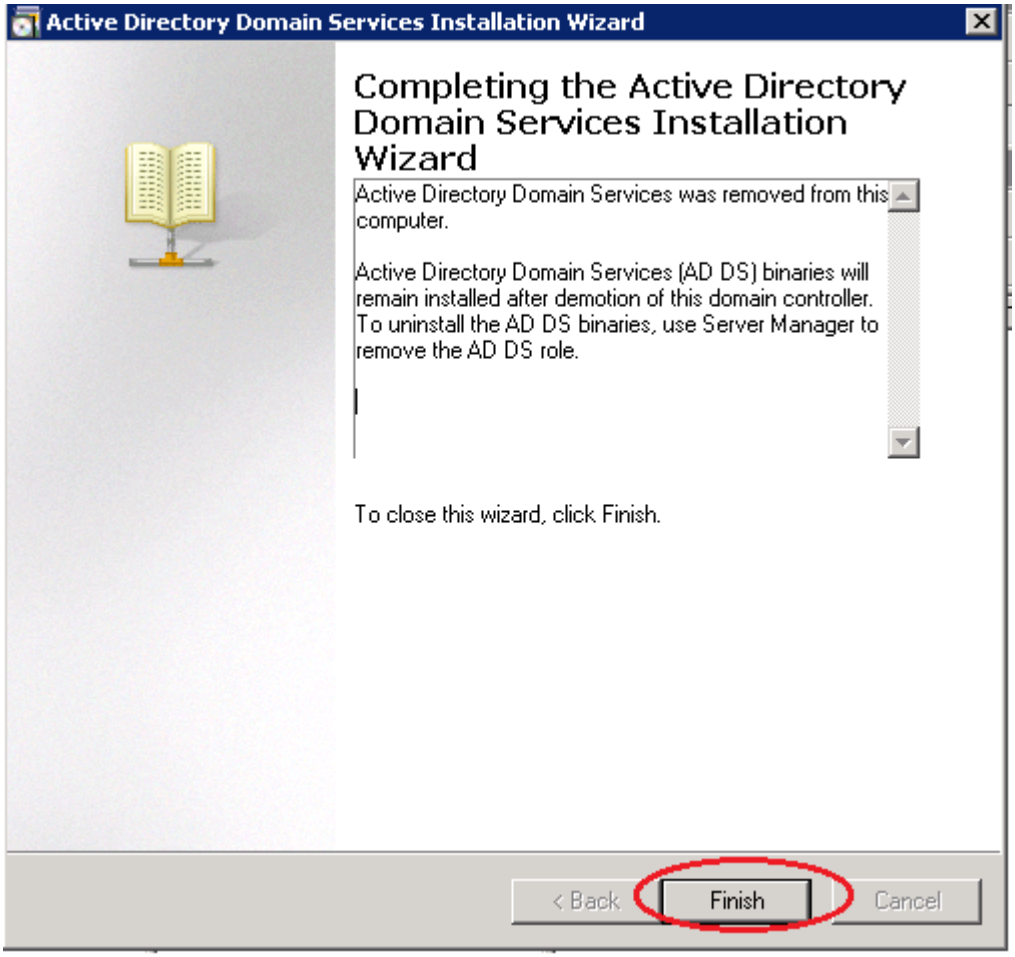
If the coexistence is temporary to support a full migration to CloudConnect, then you will want to demote the on-premise Domain Controller once the migration is complete and all on-premise devices are pointing to the Cloud Domain controller over the VPN tunnel.

The following slides demostrate the demotion and safe removal of the on-premise domain controller from the domain.

Do not complete the following steps until you are sure it is safe to remove the on-premise Domain Controller and no devices or users are reliant upon it.


Users
Security Services
WAN Acceleration
Log
Status: Ready
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights rese
PS C:\Users\Administrator> ping 10.39.0.1
Pinging 10.39.0.1 with 32 bytes of data:
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Reply from 10.39.0.1: bytes=32 time=3ms TTL=64
Ping statistics for 10.39.0.1:
ets: Sent = 4, Received = 4, Lost = 0 (0% loss),
ate round trip times in milli-seconds:
mum = 3ms, Maximum = 3ms, Average = 3ms
ers\Administrator> ping 10.39.0.1
10.39.0.1 with 32 bytes of data:
om 10.39.0.1: bytes=32 time=3ms TTL=64
tistics for 10.39.0.1:
ets: Sent = 1, Received = 1, Lost = 0 (0% loss),
ate round trip times in milli-seconds:
mum = 3ms, Maximum = 3ms, Average = 3ms
C
ers\Administrator>
ers\Administrator> ping 10.39.0.1
10.39.0.1 with 32 bytes of data:
om 10.39.0.1: bytes=32 time=17ms TTL=64
om 10.39.0.1: bytes=32 time=20ms TTL=64
Run
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:
dcpromo.exe
This task will be created with administrative privileges.
OK
Cancel
Browse...
Start


Active Directory Domain Services Installation Wizard
Summary
Review your selections:
Remove Active Directory Domain Services from this computer.
When the process is complete, this server will be a member of the domain "acme3.local".
To change an option, click Back. To begin the operation, click Next.
These settings can be exported to an answer file for use with other unattended operations.
More about using an answer file
Export settings...
< Back
Next >
Cancel


Active Directory Domain Services Installation Wizard
Completing the Active Directory Domain Services Installation Wizard
Active Directory Domain Services was removed from this computer.
Active Directory Domain Services (AD DS) binaries will remain installed after demotion of this domain controller. To uninstall the AD DS binaries, use Server Manager to remove the AD DS role.
To close this wizard, click Finish.
< Back
Finish
Cancel