



ATERA



CUGtech Vår 2017

XenApp og XenDesktop i en hybrid setting

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Aztek AS



citrix user group®

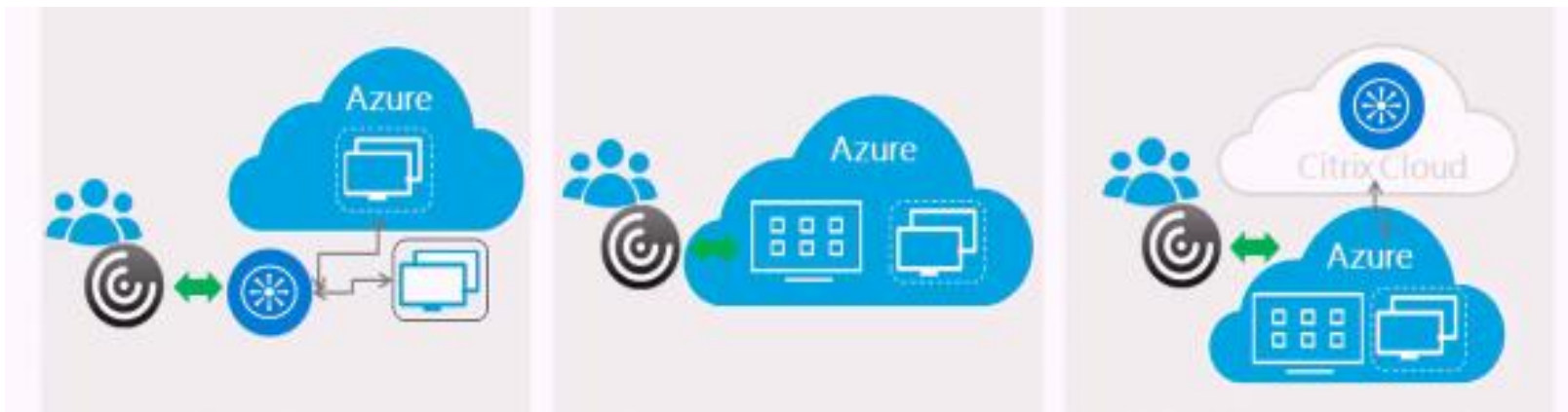
Agenda



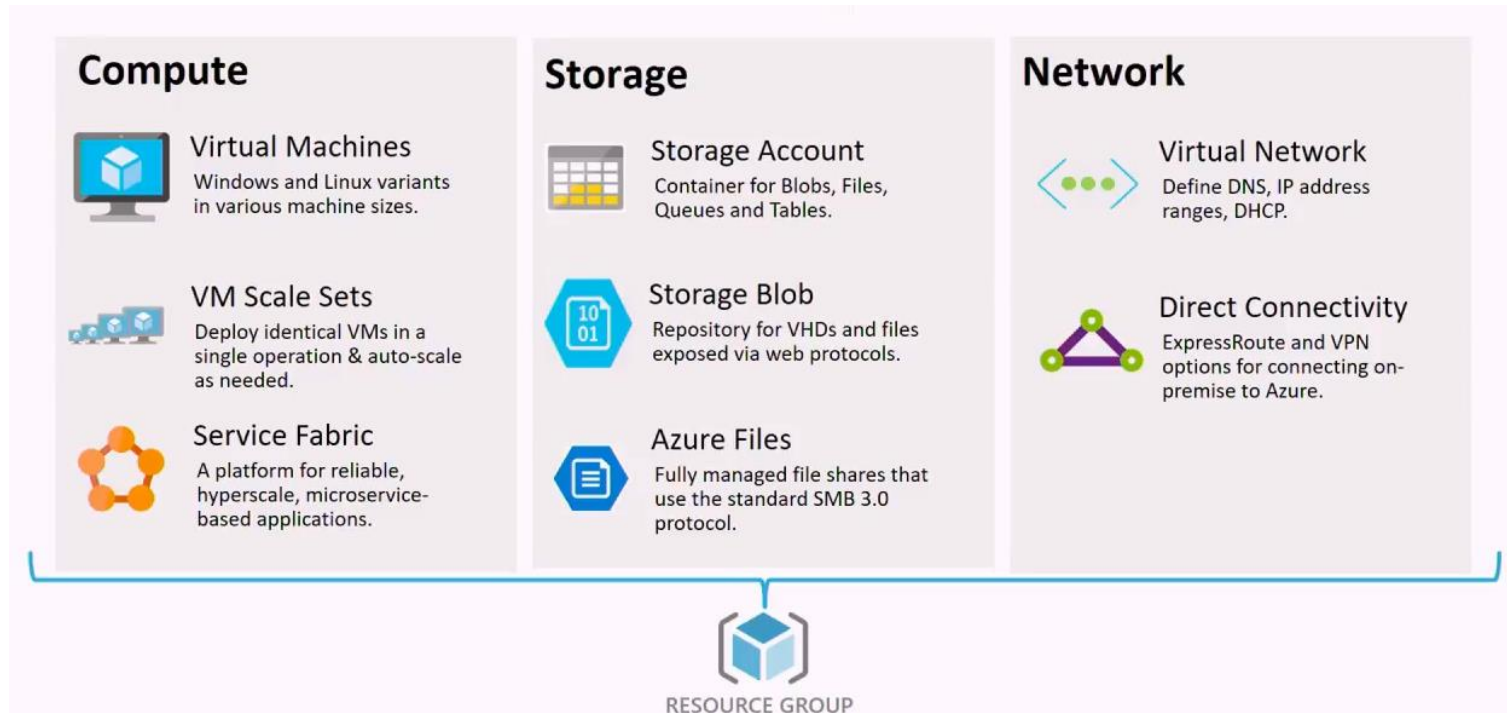
- Bli tryggere på Azure som en skyplattform
- Forstå Citrix arkitektur i en hybrid konfigurasjon med Azure
- Hvorfor / hvorfor ikke cloud for meg

Hvordan installer Citrix i Azure?

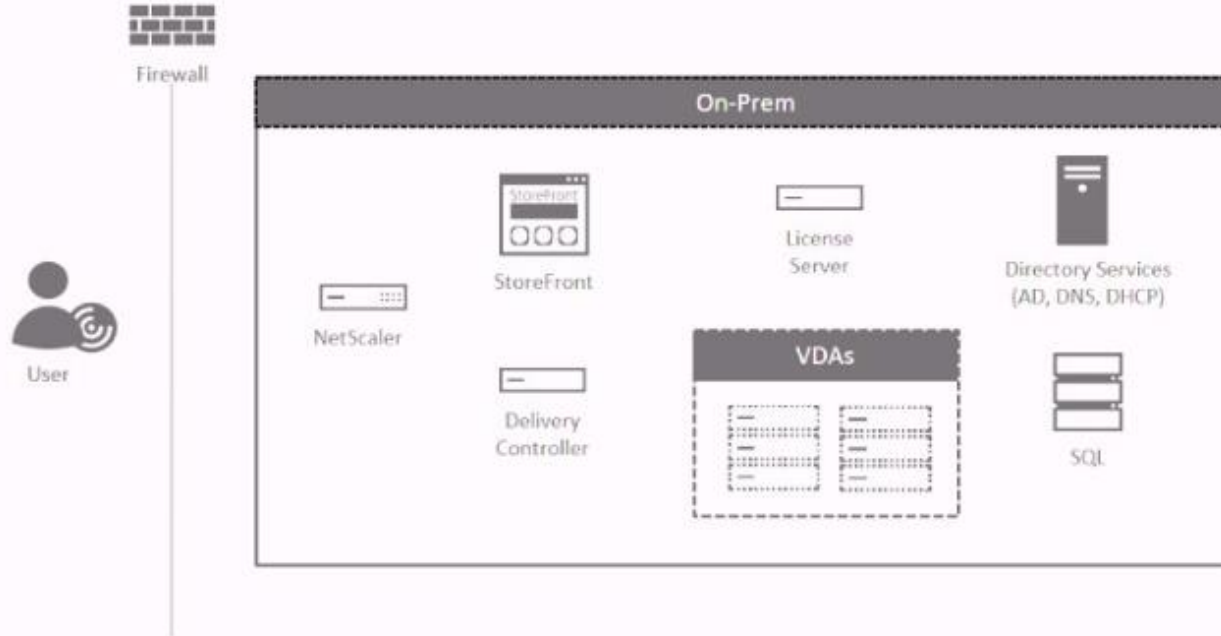
1. Utvid til cloud / hybrid
2. Flytt alt 100 %
3. Cloud service (Citrix cloud)



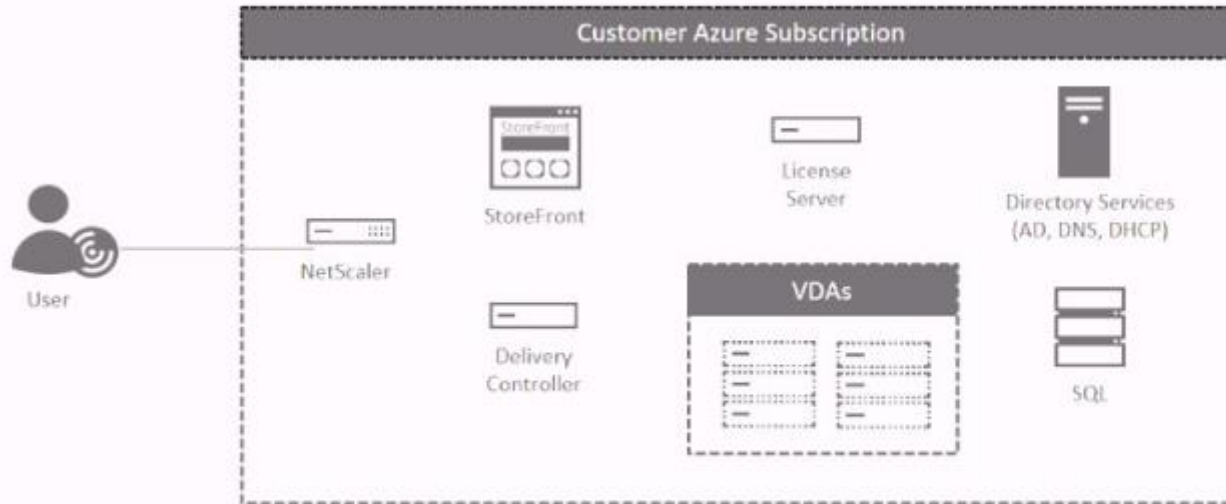
Hvordan er Azure LAAS bygd opp?



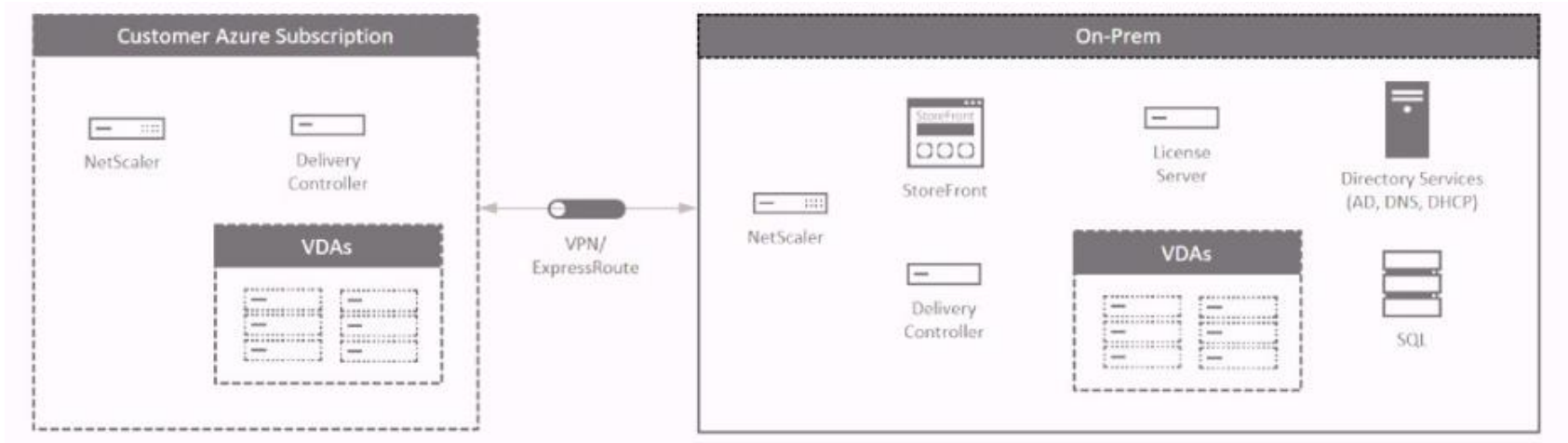
Alt lokalt som vanlig



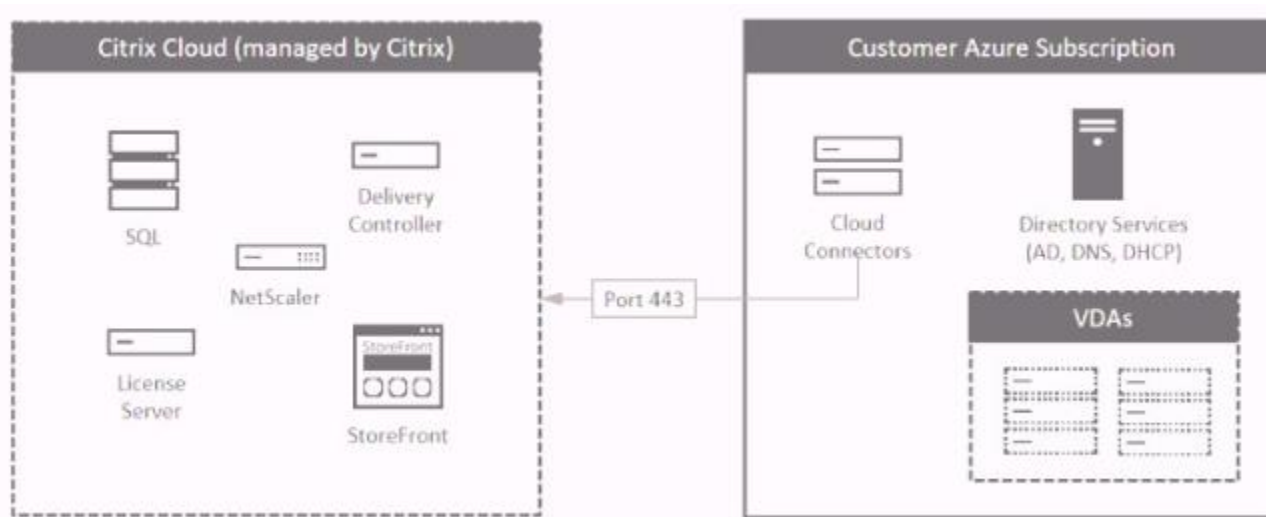
Alt i Azure



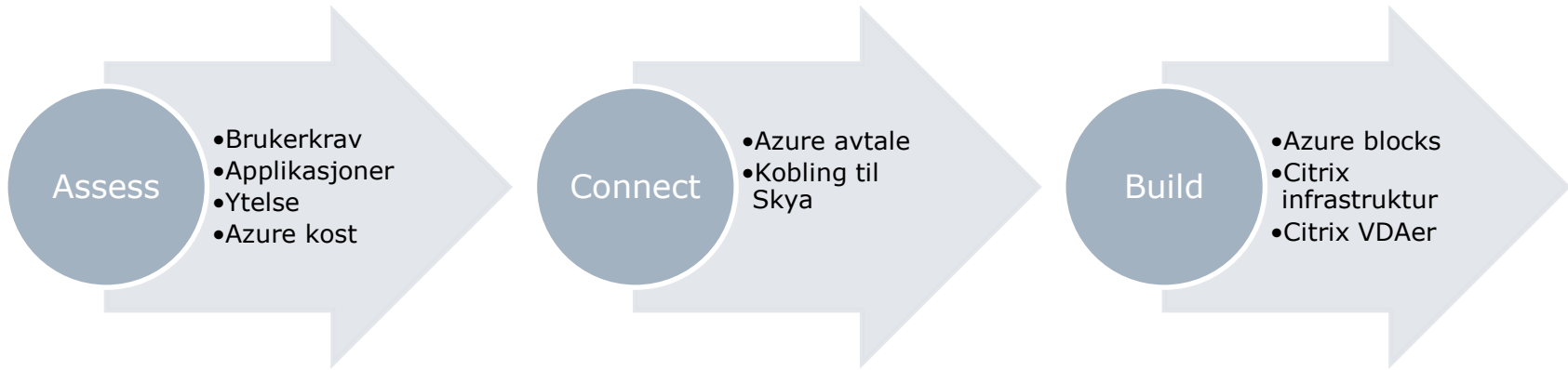
Hybrid oppsett



Citrix Cloud med NGaaS



Hvordan gå frem?



Assess - Brukerkrav



- IKKE flytt de tyngste brukerne først, start med enkle brukergrupper
- Få oversikt over applikasjons krav til ytelse
- Komplekse brukergrupper kan flyttes over tid til sky
- Applikasjoner? Skrivebord? Begge deler?

Assess – Ytelse i Azure



- ❑ Velg rett Azure instans for serveren din. Mest optimal instans er **D2v2** \$/bruker/time – Enkle 19 (\$0,015), Tunge 15 (\$0,019)
- ❑ Standard Storage account: 20.000 IOPS (Anbefalt med 40 VM pr Storage account. (500 IOPS pr VM))
- ❑ Premium: 50,000 IOPS
- ❑ Support for Azure Management Disk forenkler disk administrasjon
- ❑ Witepaper fra Citrix: [The scalability and economics of delivering Citrix XenApp services from Microsoft Azure](#)

Assess - Beregning av kost i Azure

□ <https://now.citrix.com/azure/calculator>




Cost Model (Output) ⓘ

Estimate ready!

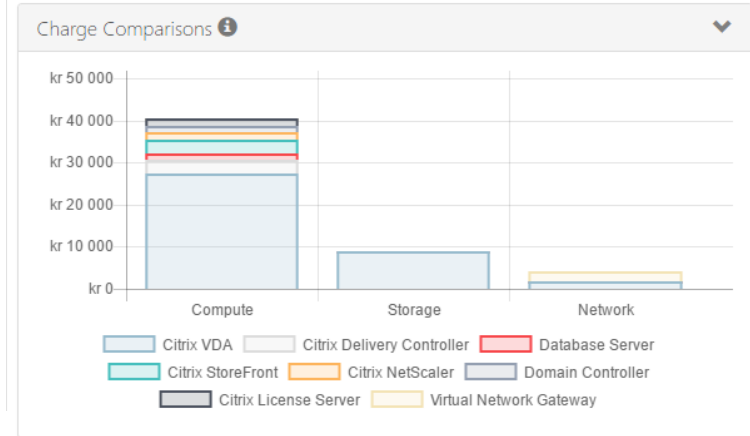
Currency: Norwegian Krone (NOK)

Monthly Estimate Summary	
User total	550
Cost estimate	kr 53 360,07
Cost per user	kr 97,02
Citrix VDAs required	43
Users per VDA	12,791

Monthly Breakdown by Consumption Categories



■ Compute ■ Storage ■ Network



Connect – Azure avtale



- ❑ Begrensninger i Azure Subscriptions ([Link for full oversikt](#))
- ❑ Standard begrensning er VELDIG lav
- ❑ Må kontakte support for å endre standard begrensning

Resurs	Standard	Maks
Vmer	20 pr region	10.000 pr region
Cores	20 pr region	10.000 pr region

Connect – kobling til DC



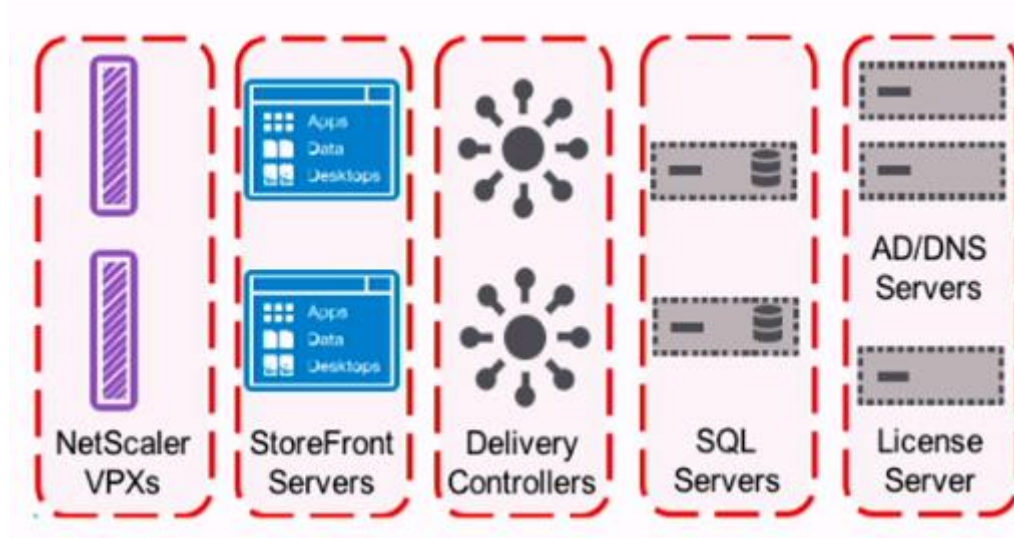
- ❑ To valg – VPN eller ExpressRoute
- ❑ Bruk VPN for POC/test og små miljøer
- ❑ Expressroute er kostbart
 - Fart fra 50Mbps opp til 10 Gbps
 - To porter, 99,9% SLA

Build



- Opprett Azure Building Blocks
 - Lag en god navnstandard
 - Husk Availability Set
- Installer Citrix infrastruktur
- Installer Citrix Workloads

Build - Availability Set – Anbefalt oppsett

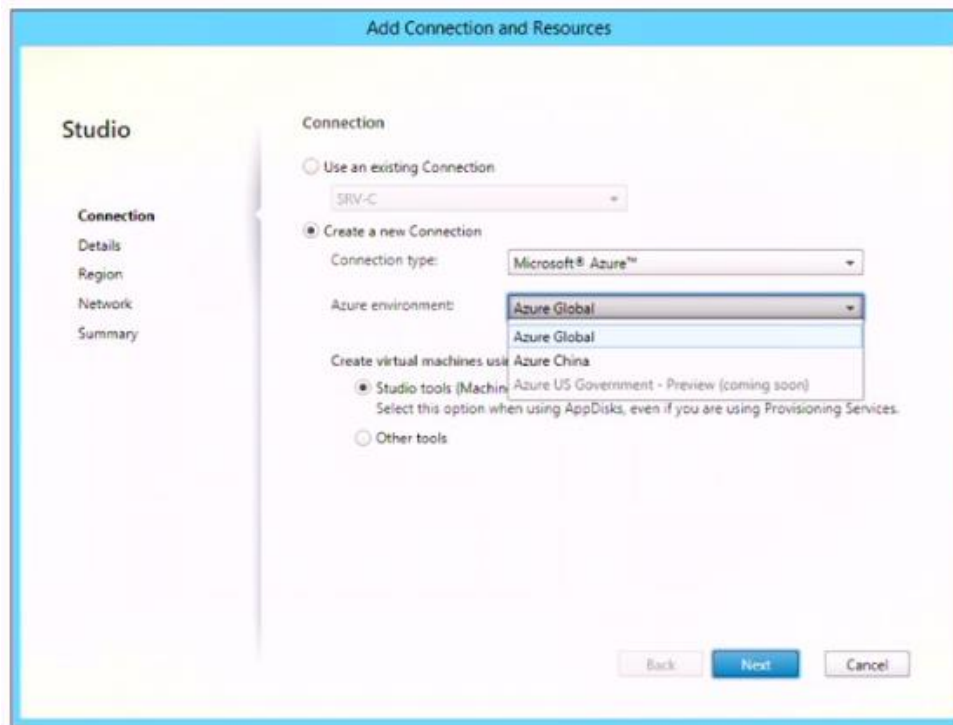


Build – Hybrid



- Bygg VM fra Azure markedplace
 - Standard VM – Har med lisens
 - [HUB] VM – BYO lisens , spart opptil 50 %
- SQL server Always-On
- Netscaler VPX – BYO lisens
- MCS brukes for å automatisere VDAene
- Machine Catalog ↔ Azure Resource Group
 - # av Resource Group = maks (maks # av Vmer / (40*19))

Build – Azure integrering med Studio



The screenshot shows the 'Add Connection and Resources' wizard in Citrix Studio. The 'Connection' step is active, with the following options:

- Use an existing Connection: A dropdown menu shows 'SRV-C'.
- Create a new Connection:
 - Connection type: Microsoft® Azure™
 - Azure environment: A dropdown menu is open, showing 'Azure Global' (selected), 'Azure Global', and 'Azure China'.
 - Create virtual machines using:
 - Studio tools (Machine Catalog): Azure US Government - Preview (coming soon). Select this option when using AppDisks, even if you are using Provisioning Services.
 - Other tools

Navigation buttons at the bottom: Back, Next, Cancel.

Build – Azure integrering med Studio

Add Connection and Resources

Studio

- Connection
- Details**
- Region
- Network
- Summary

Connection Details

A service principal in the subscription's Azure Active Directory is required. Create a new service principal or provide details of an existing service principal.

The Azure service principal is assigned the Contributor role at the subscription scope. The service principal has permission to create and manage all types of Azure resources in the subscription, and may have access to resources that are unrelated to the deployment of resources in the catalog. (Permissions at the subscription scope are required to create resource groups.)

Subscription ID:

Connection name:

Build – Azure integrering med Studio

Add Connection and Resources

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Subscription ID:

Connection name:

✔ Connected

Build – Azure integrering med Studio

Add Connection and Resources

Studio

- ✓ Connection
- ✓ Details
- Region**
- Network
- Summary

Region

Select a region containing the resources you want to use:

Name
<input type="radio"/> East Asia
<input type="radio"/> Southeast Asia
<input type="radio"/> Central US
<input type="radio"/> East US
<input type="radio"/> East US 2
<input checked="" type="radio"/> West US
<input type="radio"/> North Central US
<input type="radio"/> South Central US
<input type="radio"/> North Europe
<input type="radio"/> West Europe
<input type="radio"/> Japan West
<input type="radio"/> Japan East
<input type="radio"/> Brazil South
<input type="radio"/> Australia East
<input type="radio"/> Australia Southeast
<input type="radio"/> Canada Central

Back Next Cancel

Build – Azure integrering med Studio

Add Connection and Resources

Studio

- ✓ Connection
- ✓ Details
- ✓ Region
- Network**
- Summary

Network

Name for these resources:

The resources name helps identify this region and network combination in Studio.

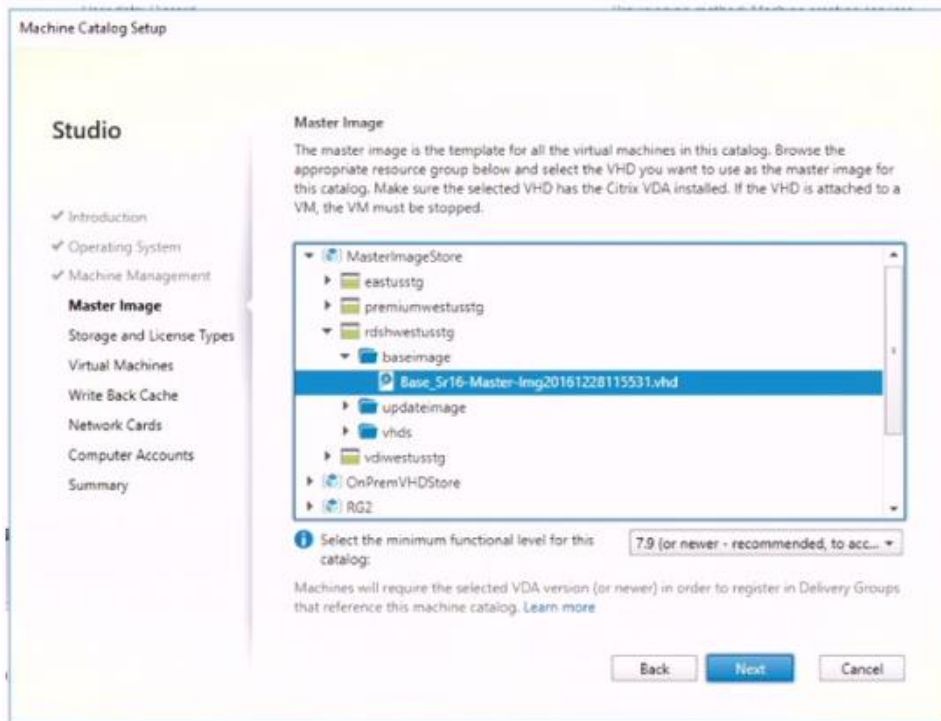
Select the network and then one or more subnets for the virtual machines to use.

Virtual network:

Subnets:

	Name
<input type="checkbox"/>	DBSubnet
<input type="checkbox"/>	InfraSubnet
<input type="checkbox"/>	InfraSubnet2
<input checked="" type="checkbox"/>	VDASubnet

Build – Azure integrering med Studio

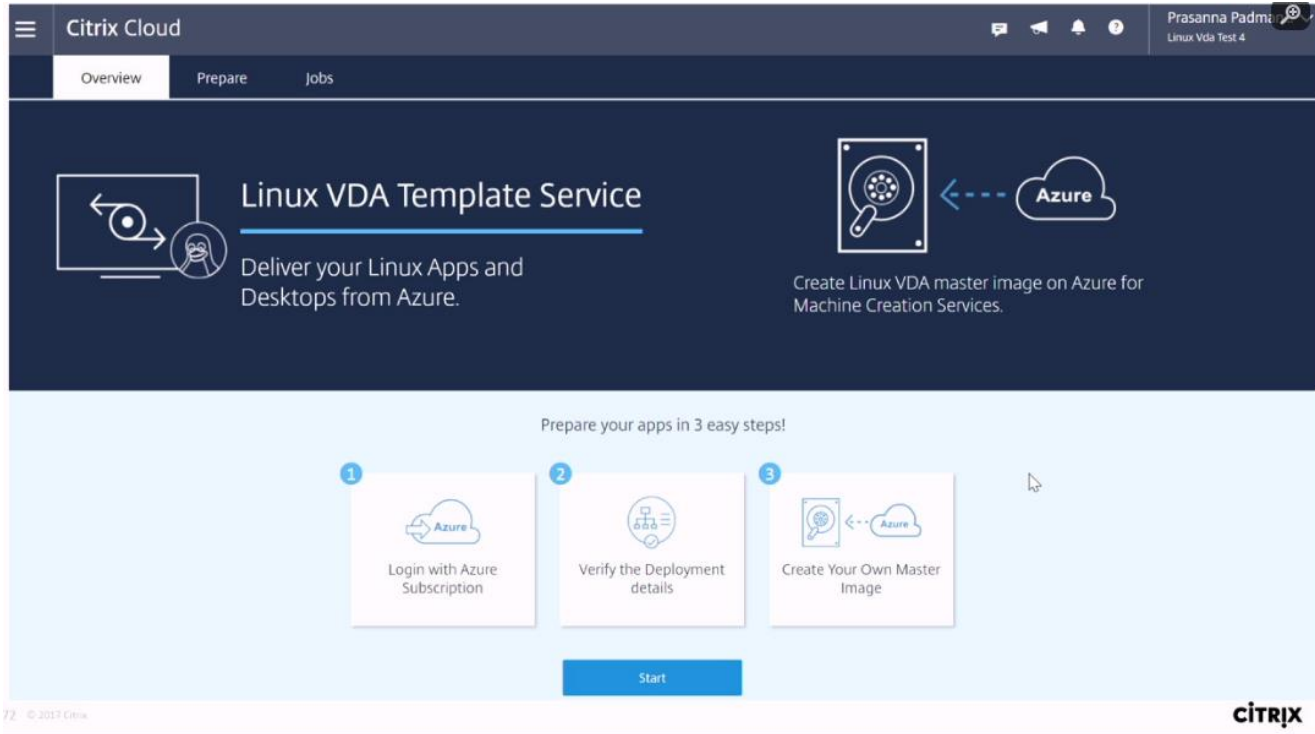


Hva kommer i fremtiden



- ❑ Bedre ytelse (med 1000 pooled maskiner)
 - Fra 8 til 2 timer opprettelse
 - Fra 2 til under 1 time for starte alle VMer
- ❑ Fra Storage Account til Azure Managed Disks
- ❑ Support for Linux VDA i Azure
- ❑ Support for AzureGov
- ❑ Support for Azure disk kryptering

Sniktitt på Linux VDA



The screenshot shows the Citrix Cloud interface for the Linux VDA Template Service. The top navigation bar includes 'Overview', 'Prepare', and 'Jobs'. The main content area features a large header with the service name and a description: 'Deliver your Linux Apps and Desktops from Azure.' To the right, a diagram shows a hard drive icon connected to an 'Azure' cloud icon. Below this, a three-step process is outlined: 1. Login with Azure Subscription, 2. Verify the Deployment details, and 3. Create Your Own Master Image. A 'Start' button is positioned at the bottom of the steps. The footer of the interface includes the Citrix logo and the text '© 2019 Citrix'.

Citrix Cloud

Prasanna Padma
Linux Vda Test 4

Overview Prepare Jobs

Linux VDA Template Service

Deliver your Linux Apps and Desktops from Azure.

Create Linux VDA master image on Azure for Machine Creation Services.

Prepare your apps in 3 easy steps!

- 1 Login with Azure Subscription
- 2 Verify the Deployment details
- 3 Create Your Own Master Image

Start

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Thank you for listening

Any questions?

André Bøhm – <https://citrixblog.no>

