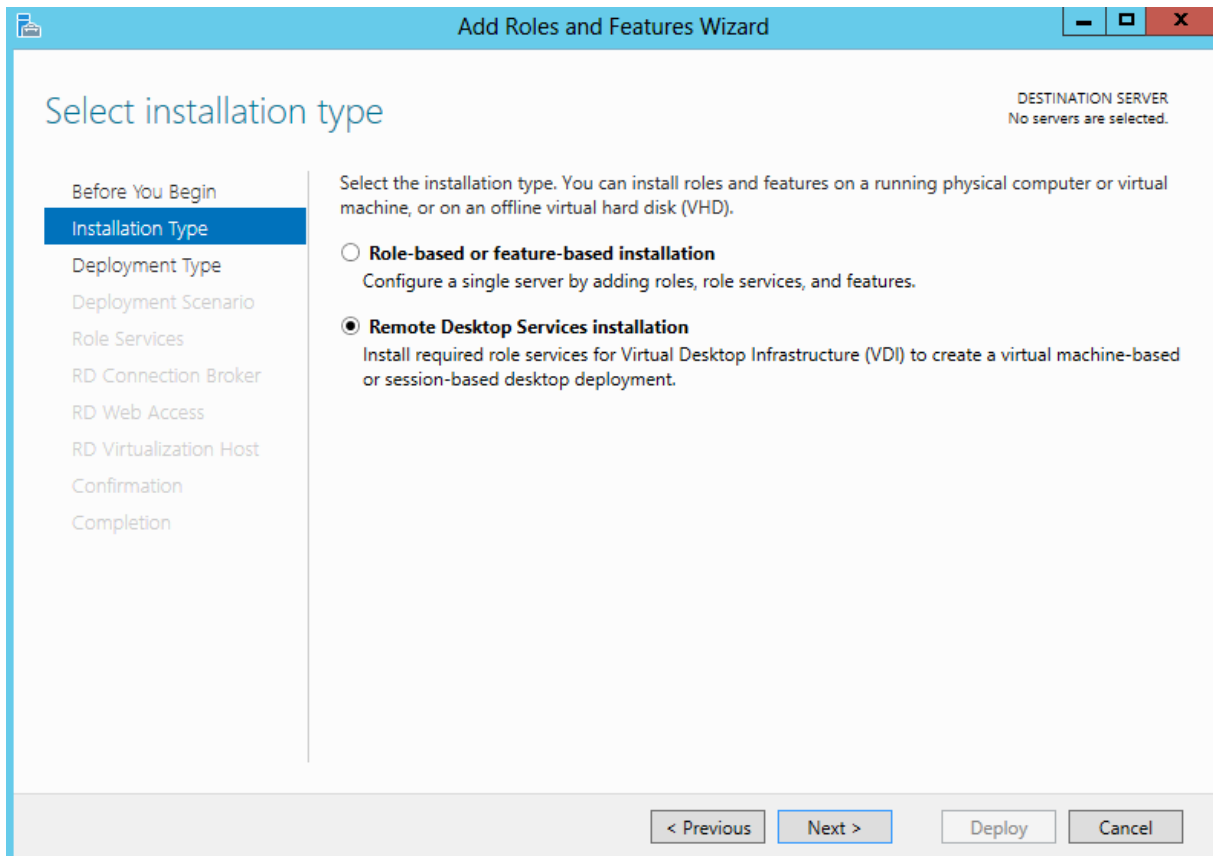
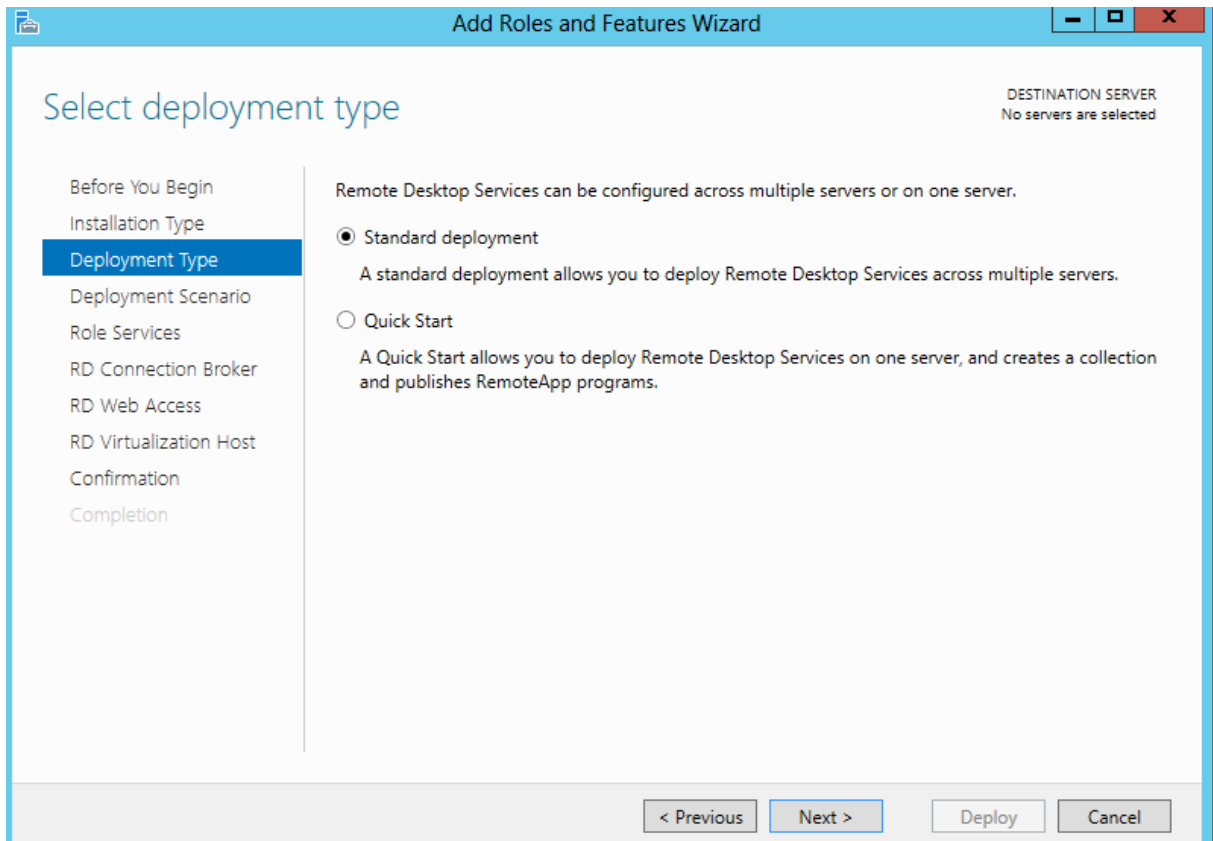


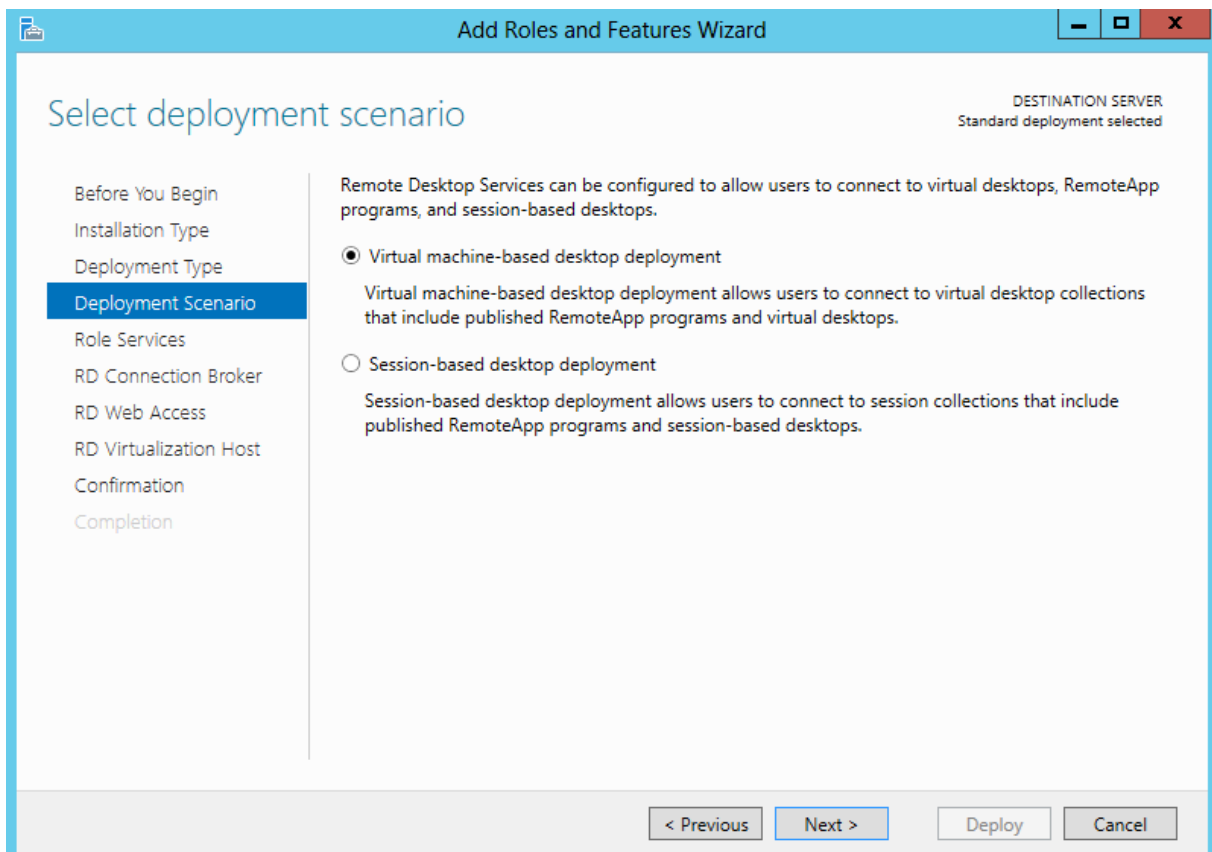
WS2012 - RDS+VDI



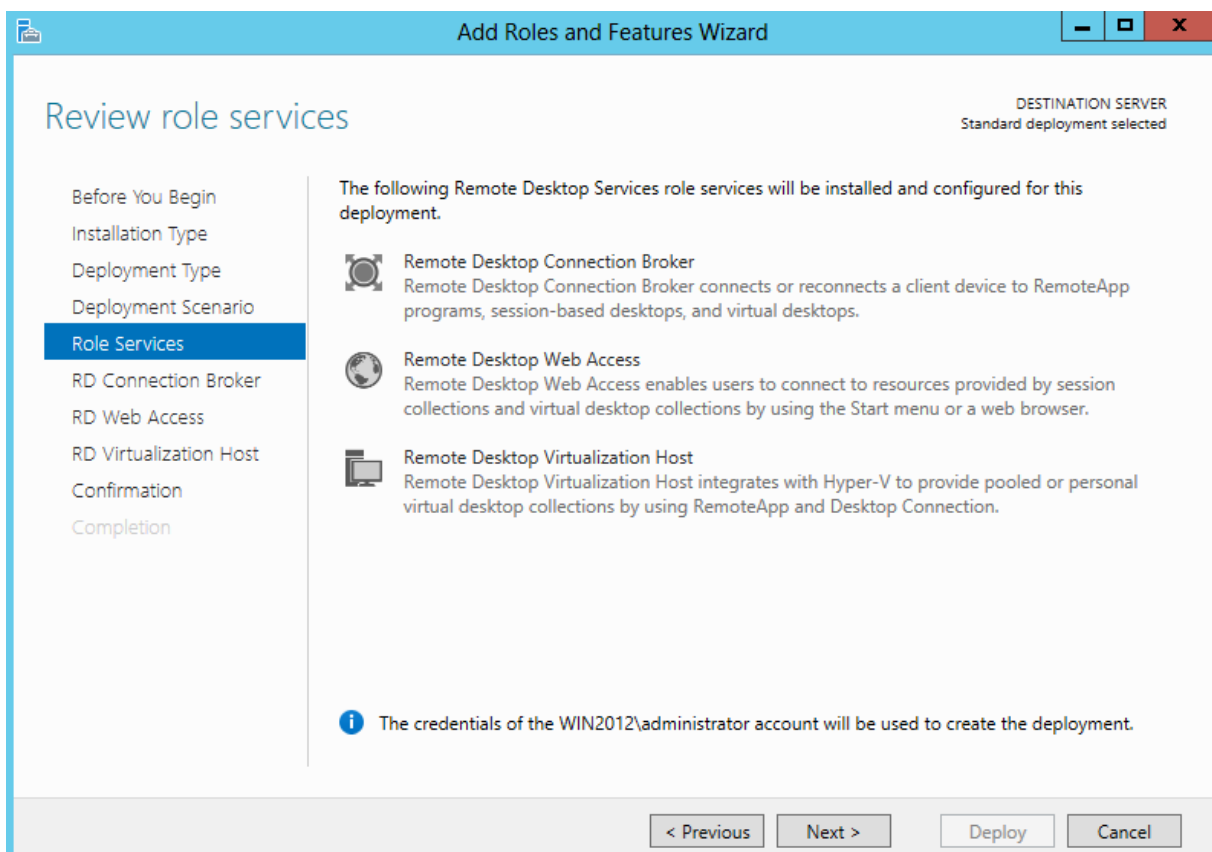
Standard Deployment fuer mehr Auswahl



VDI



Rollen Installation



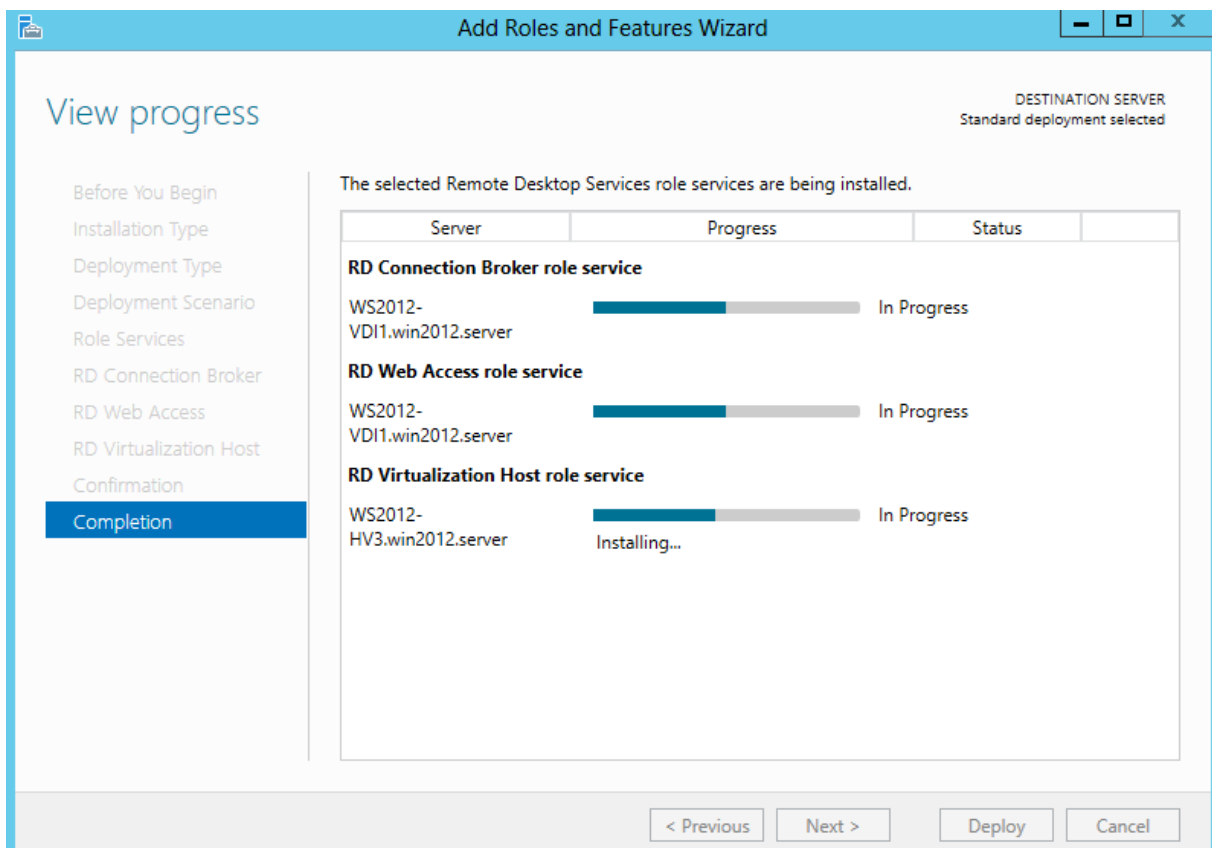
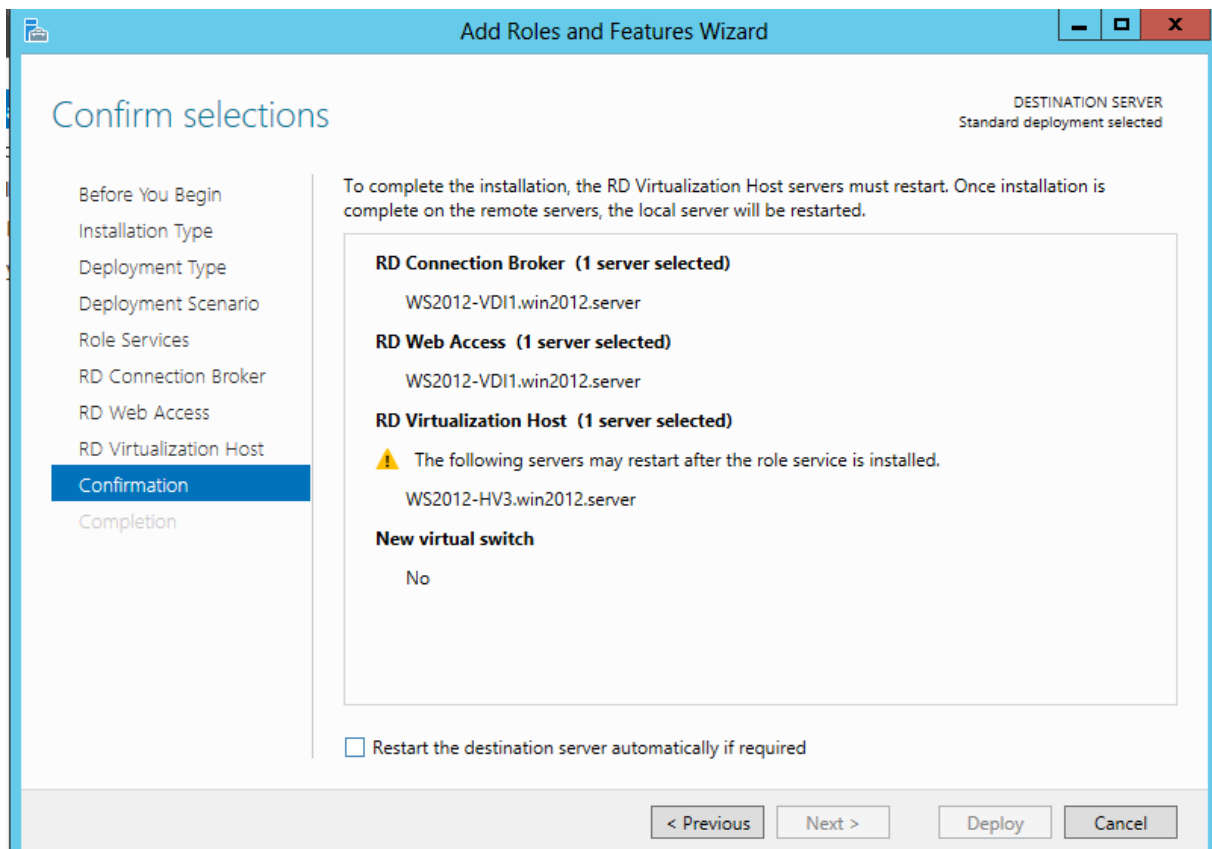
RDS Server

The screenshot shows the 'Specify RD Web Access server' step in the 'Add Roles and Features Wizard'. The window title is 'Add Roles and Features Wizard'. The main heading is 'Specify RD Web Access server'. In the top right corner, it says 'DESTINATION SERVER' and 'Standard deployment selected'. On the left, there is a navigation pane with the following items: 'Before You Begin', 'Installation Type', 'Deployment Type', 'Deployment Scenario', 'Role Services', 'RD Connection Broker', 'RD Web Access' (highlighted), 'RD Virtualization Host', 'Confirmation', and 'Completion'. The main area contains the instruction: 'Select a server from the server pool on which to install the RD Web Access role service.' Below this is a checked checkbox: 'Install the RD Web Access role service on the RD Connection Broker server'. There are two panes: 'Server Pool' and 'Selected'. The 'Server Pool' pane has a filter box and a table with columns 'Name', 'IP Address', and 'Operating'. The table contains one entry: 'WS2012-VDI1.win2012.s...' with IP address '10.80.16.231'. Below the table, it says '1 Computer(s) found'. The 'Selected' pane shows 'Computer' expanded to 'WIN2012.SERVER (1)' with 'WS2012-VDI1' listed below it. Below the 'Selected' pane, it says '1 Computer(s) selected'. At the bottom, there are buttons for '< Previous', 'Next >', 'Deploy', and 'Cancel'.

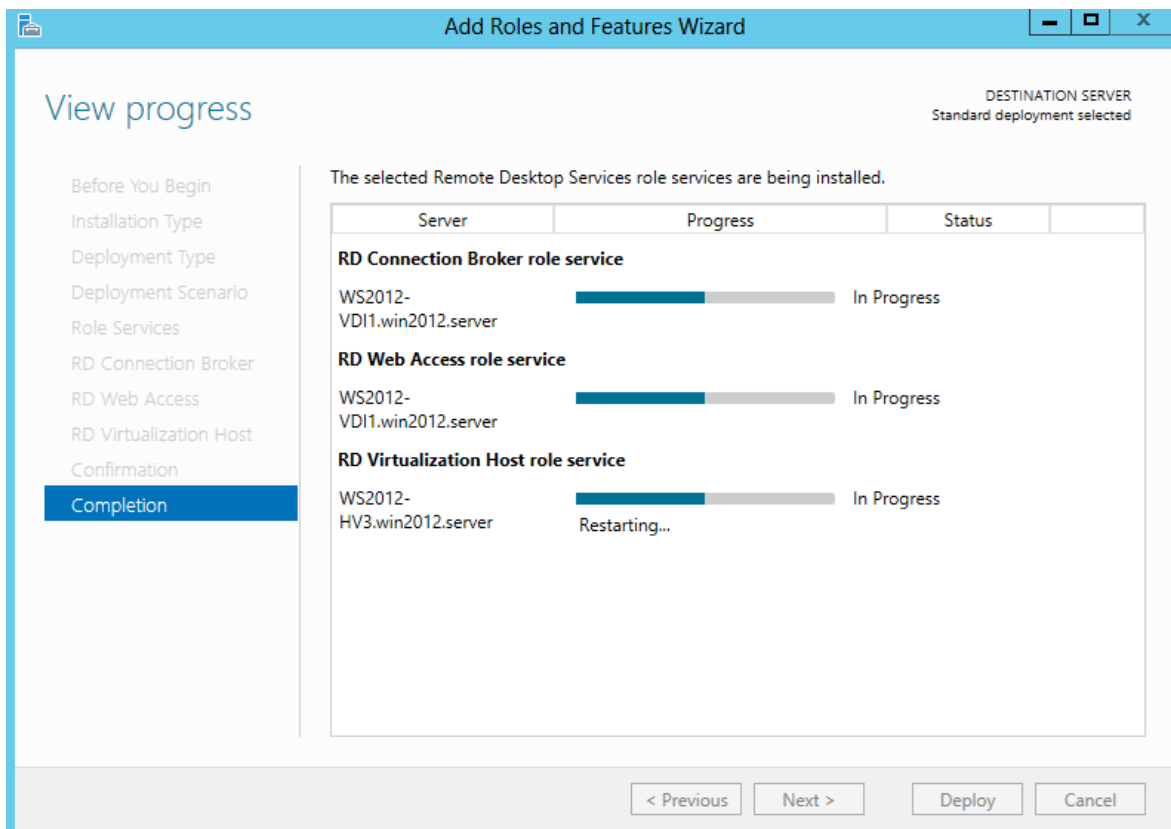
VDI Server

The screenshot shows the 'Specify RD Virtualization Host server' step in the 'Add Roles and Features Wizard'. The window title is 'Add Roles and Features Wizard'. The main heading is 'Specify RD Virtualization Host server'. In the top right corner, it says 'DESTINATION SERVER' and 'Standard deployment selected'. On the left, there is a navigation pane with the following items: 'Before You Begin', 'Installation Type', 'Deployment Type', 'Deployment Scenario', 'Role Services', 'RD Connection Broker', 'RD Web Access', 'RD Virtualization Host' (highlighted), 'Confirmation', and 'Completion'. The main area contains the instruction: 'Select the servers from the server pool on which to install the RD Virtualization Host role service. If more than one server is selected, the RD Virtualization Host role service will be installed on all of them.' Below this is an unchecked checkbox: 'Create a new virtual switch on the selected servers'. There are two panes: 'Server Pool' and 'Selected'. The 'Server Pool' pane has a filter box and a table with columns 'Name', 'IP Address', and 'Operating'. The table contains two entries: 'WS2012-VDI1.win2012.s...' with IP address '10.80.16.231' and 'WS2012-HV3.win2012.s...' with IP address '10.80.16.28'. Below the table, it says '2 Computer(s) found'. The 'Selected' pane shows 'Computer' expanded to 'WIN2012.SERVER (1)' with 'WS2012-HV3' listed below it. Below the 'Selected' pane, it says '1 Computer(s) selected'. At the bottom, there are buttons for '< Previous', 'Next >', 'Deploy', and 'Cancel'.

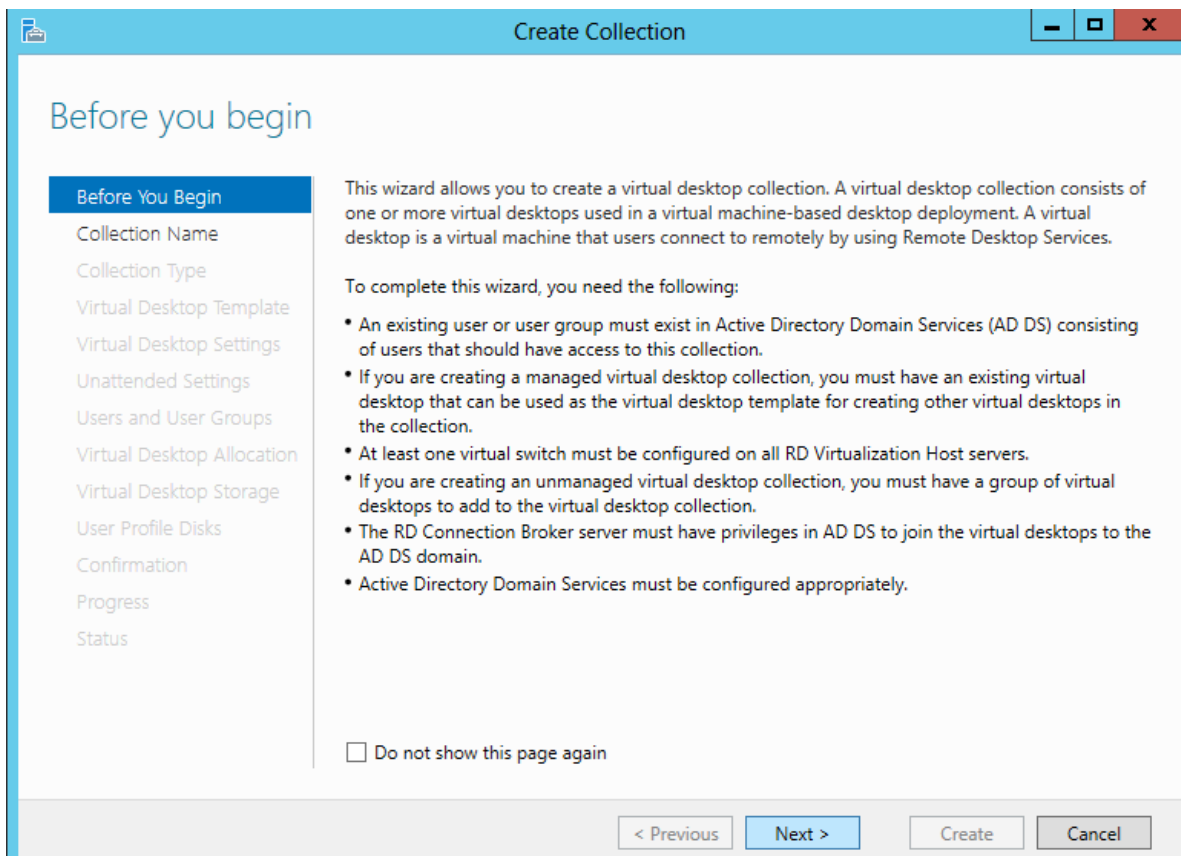
Installation startet



Hyper-V Reboot



Session Collection erstellen



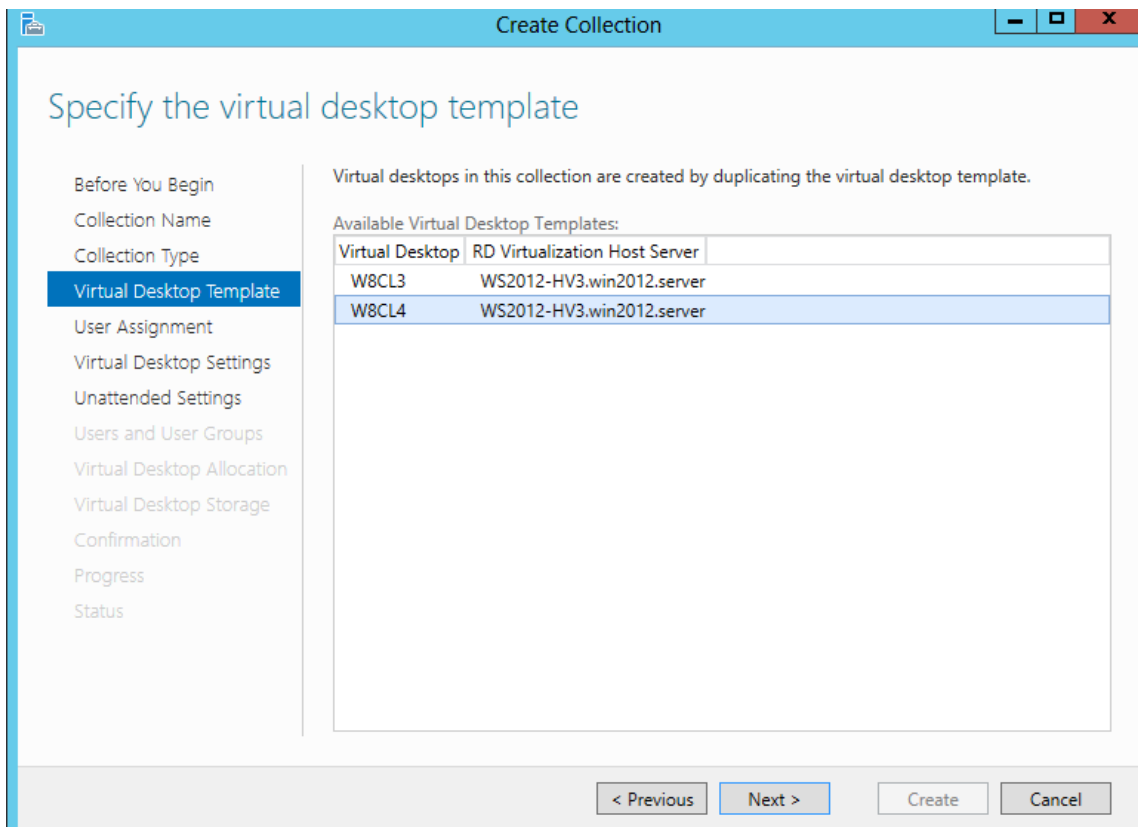
Namen vergeben

The screenshot shows the 'Create Collection' wizard window. The title bar reads 'Create Collection'. The main heading is 'Name the collection'. On the left, a navigation pane lists steps: 'Before You Begin', 'Collection Name' (highlighted), 'Collection Type', 'Virtual Desktop Template', 'Virtual Desktop Settings', 'Unattended Settings', 'Users and User Groups', 'Virtual Desktop Allocation', 'Virtual Desktop Storage', 'User Profile Disks', 'Confirmation', 'Progress', and 'Status'. The main area contains the text: 'A virtual desktop collection name is displayed to users when they log on to a Remote Desktop Web Access server.' Below this, there is a 'Name:' label and a text input field containing 'MARCIMARC'. Underneath is a 'Description (optional):' label and a larger empty text area. At the bottom, there are four buttons: '< Previous', 'Next >', 'Create', and 'Cancel'.

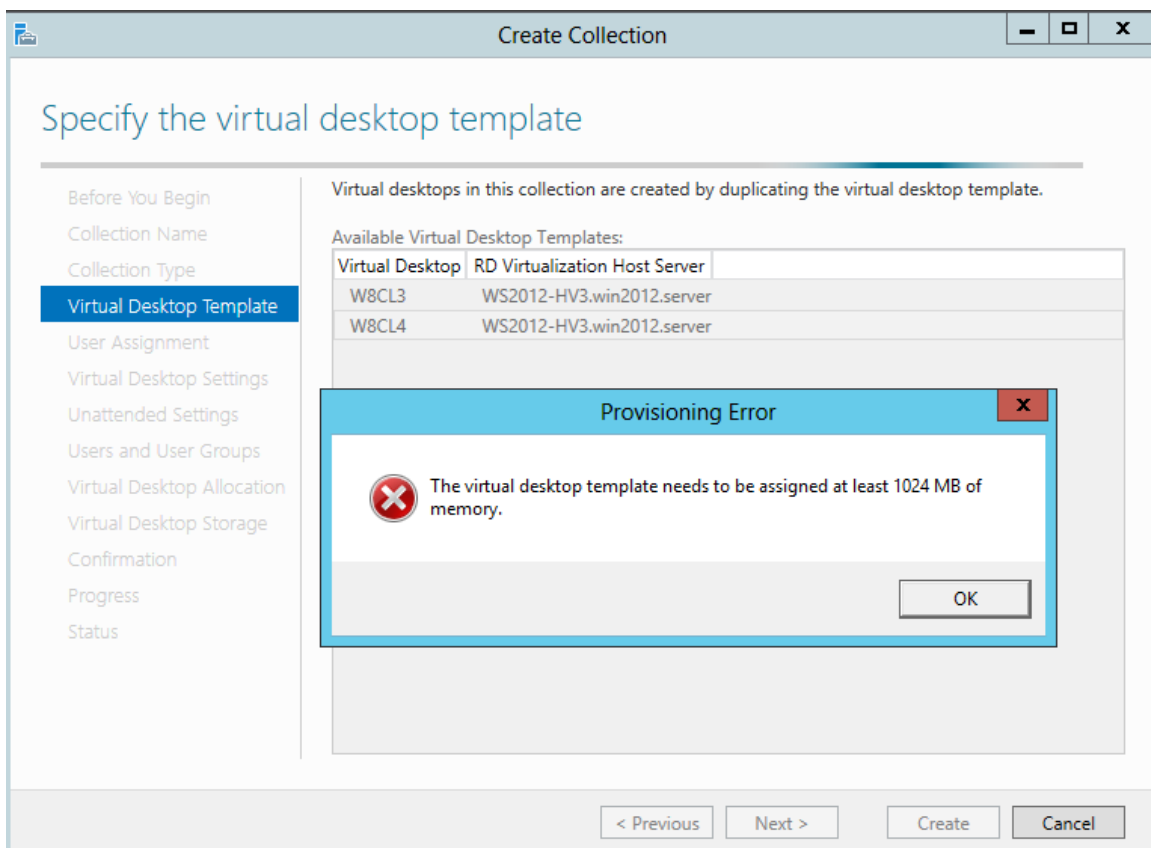
Szenario Auswahl

The screenshot shows the 'Create Collection' wizard window. The title bar reads 'Create Collection'. The main heading is 'Specify the collection type'. On the left, a navigation pane lists steps: 'Before You Begin', 'Collection Name', 'Collection Type' (highlighted), 'Virtual Desktop Template', 'User Assignment', 'Virtual Desktop Settings', 'Unattended Settings', 'Users and User Groups', 'Virtual Desktop Allocation', 'Virtual Desktop Storage', 'Confirmation', 'Progress', and 'Status'. The main area contains the text: 'The virtual desktop collection type determines whether a user is assigned a temporary virtual desktop or if they are assigned a personal virtual desktop when connecting to a collection.' Below this, there are two radio button options: 'Pooled virtual desktop collection' and 'Personal virtual desktop collection' (selected). There is also a checked checkbox for 'Automatically create and manage virtual desktops'. Underneath, it says 'Capabilities of this virtual desktop collection include:' followed by three items with green checkmarks: 'New virtual desktop creation based on virtual desktop template' (with sub-points 'Recreate virtual desktop based on virtual desktop template' and 'Store user settings on a user profile disk'), 'Permanent user assignment to the virtual desktop', and 'Administrative access on the virtual desktop'. At the bottom, there are four buttons: '< Previous', 'Next >', 'Create', and 'Cancel'.

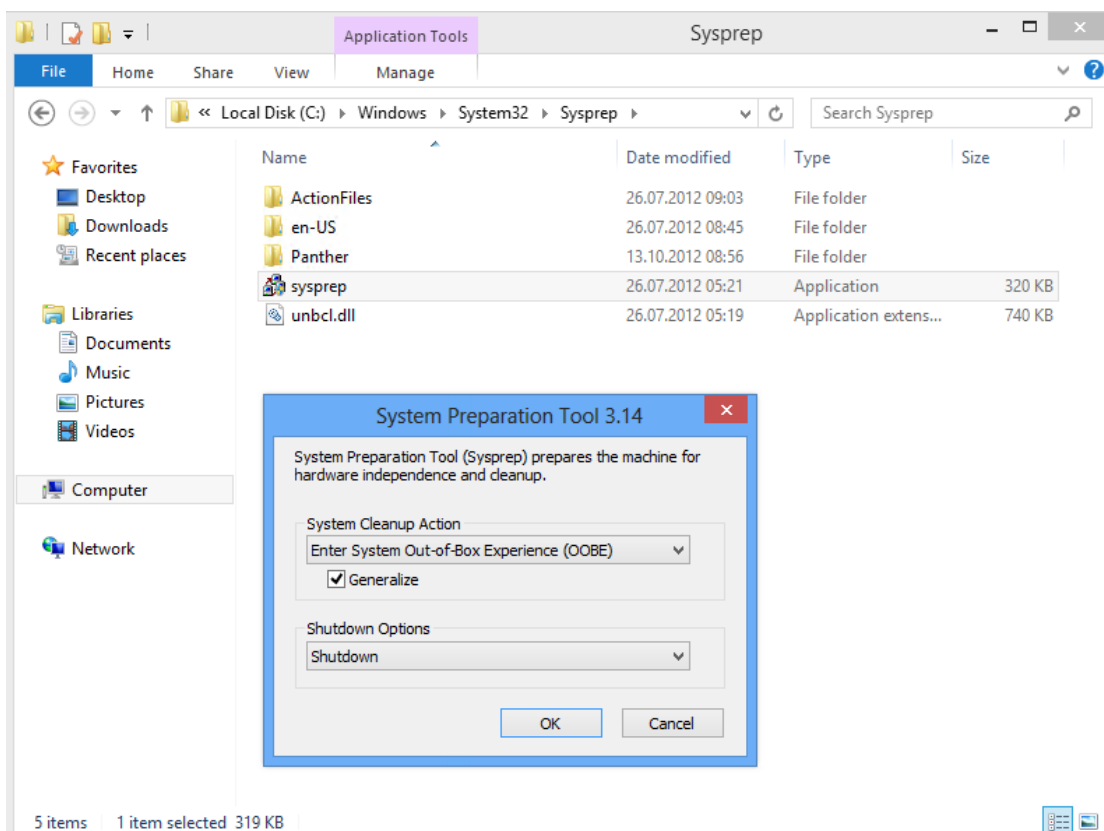
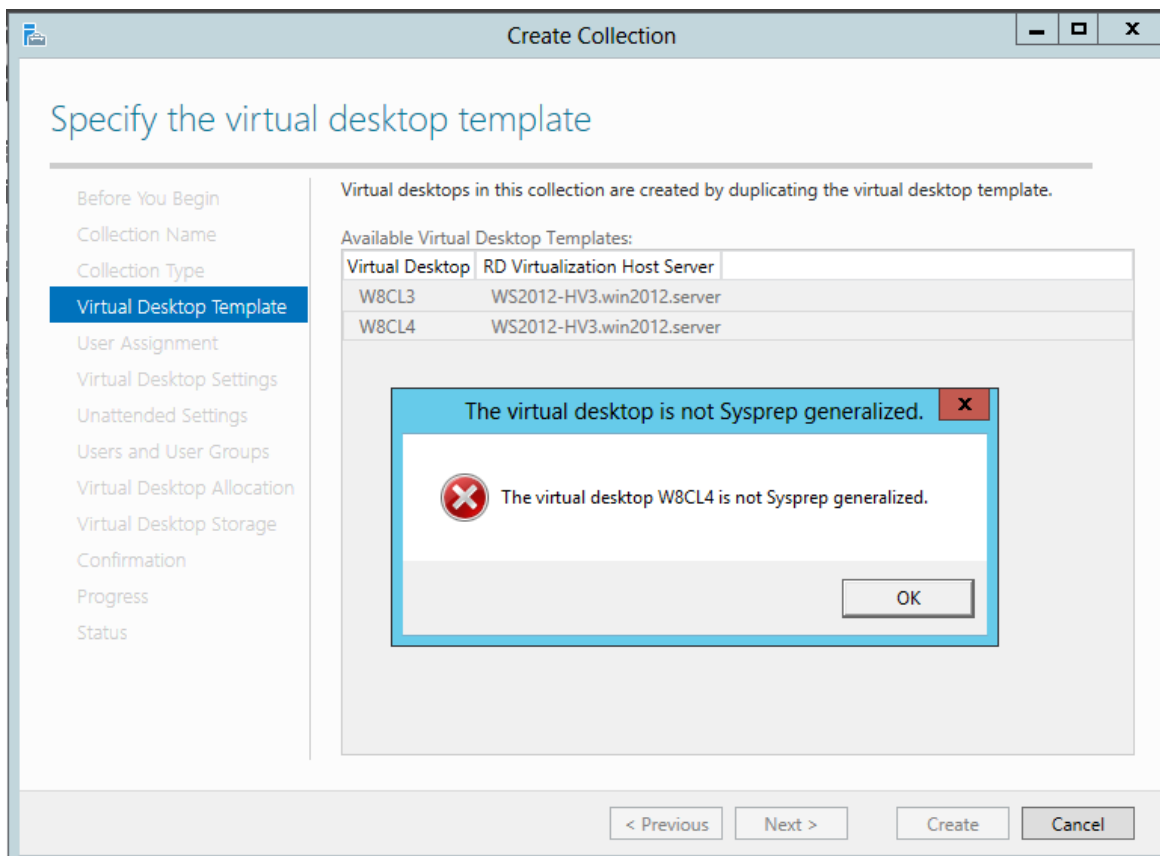
VDI Template



VM muss ausgeschaltet sein und mindestens 1024 MB vRAM haben



OK, Sysprep macht Sinn 😊



Automatische Benutzerzuordnung

The screenshot shows the 'Create Collection' wizard at the 'User Assignment' step. The left sidebar lists the steps: Before You Begin, Collection Name, Collection Type, Virtual Desktop Template, **User Assignment**, Virtual Desktop Settings, Unattended Settings, Users and User Groups, Virtual Desktop Allocation, Virtual Desktop Storage, Confirmation, Progress, and Status. The main content area has the title 'User Assignment' and a description: 'You can specify whether a personal virtual desktop is automatically assigned to a user.' There are three radio button options: 'Enable automatic user assignment' (selected), 'Disable automatic user assignment', and 'Add the user account to the local Administrators group on the virtual desktop' (checkbox). The 'Enable automatic user assignment' option has a sub-description: 'User accounts that have access to the virtual desktop collection will be automatically assigned a virtual desktop when they connect for the first time.' The 'Disable automatic user assignment' option has a sub-description: 'You can manually assign virtual desktops to users by disabling automatic user assignment.' At the bottom, there are four buttons: '< Previous', 'Next >', 'Create', and 'Cancel'.

Unbeaufsichtigte Installation

The screenshot shows the 'Create Collection' wizard at the 'Specify the virtual desktop settings' step. The left sidebar lists the steps: Before You Begin, Collection Name, Collection Type, Virtual Desktop Template, User Assignment, **Virtual Desktop Settings**, Unattended Settings, Users and User Groups, Virtual Desktop Allocation, Virtual Desktop Storage, Confirmation, Progress, and Status. The main content area has the title 'Specify the virtual desktop settings' and a description: 'Virtual desktop settings are used to configure virtual desktops that are being created from the virtual desktop template. An answer file is used for the configuration.' There are two radio button options: 'Provide unattended installation settings' (selected) and 'Use an existing Sysprep answer file'. Below the second option is a text input field for 'Location of answer file:' with a 'Browse...' button. At the bottom, there is an information icon and a note: 'For security reasons, the local Administrator account on the virtual desktop must be disabled. If you are providing a Sysprep answer file, you must add the appropriate entry in the file to disable the account.' At the bottom, there are four buttons: '< Previous', 'Next >', 'Create', and 'Cancel'.

OU fuer VDI Pool angeben

The screenshot shows the 'Create Collection' wizard in the 'Unattended Settings' step. The left sidebar lists various configuration steps, with 'Unattended Settings' selected. The main area contains instructions and several input fields:

- Time zone:** A dropdown menu set to '(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna'.
- Select the organizational unit:** A radio button is selected. Below it are two dropdown menus: 'Active Directory domain name' (set to 'win2012.server') and 'Active Directory Domain Services organizational unit (OU)' (set to '-').
- Specify the distinguished name of the organizational unit:** A text box containing 'OU=VDI-POOL,DC=WIN2012,DC=Server'.
- Information:** A blue icon with an 'i' indicates that permissions will be configured automatically, but a 'Generate script' link is provided for manual configuration.

At the bottom, there are navigation buttons: '< Previous', 'Next >', 'Create', and 'Cancel'.

Benutzergruppen fuer Zugriffe auswaehlen, Computernamen Generierung festlegen

The screenshot shows the 'Create Collection' wizard in the 'Users and User Groups' step. The left sidebar lists various configuration steps, with 'Users and User Groups' selected. The main area contains instructions and several input fields:

- Add the user groups that should have access to connect to the collection.** A text box contains 'WIN2012\Domain Users'. To the right are 'Add...' and 'Remove' buttons.
- Virtual desktops to be created in the collection:** A text box containing the number '2'.
- Specify characters that should be added to the beginning or end of the name of each virtual desktop.** Two text boxes are provided: 'Prefix' (set to 'W8CL') and 'Suffix' (set to '0').
- Preview:** A text box showing 'Preview: W8CL0...'.

At the bottom, there are navigation buttons: '< Previous', 'Next >', 'Create', and 'Cancel'.

Angabe wie viele VM pro VDI Pool

The screenshot shows the 'Specify virtual desktop allocation' step in the 'Create Collection' wizard. The left sidebar lists various configuration steps, with 'Virtual Desktop Allocation' highlighted. The main area contains a table for specifying the number of virtual desktops per host server.

Before You Begin
Collection Name
Collection Type
Virtual Desktop Template
User Assignment
Virtual Desktop Settings
Unattended Settings
Users and User Groups
Virtual Desktop Allocation
Virtual Desktop Storage
Confirmation
Progress
Status

If you need more granular control over where the virtual desktops are created, specify how many virtual desktops to create on each RD Virtualization Host server by using the New Virtual Desktops column.

Total number of virtual desktops to be created: 2 (Allocated: 2)

RD Virtualization Host Servi	Memory	Processor	Existing Virtu	New Virtual Desk
WS2012-HV3.win2012.sen	8.00 GB	Intel(R) Core(TM)	2	2

< Previous Next > Create Cancel

Speicherort fuer VM

The screenshot shows the 'Specify virtual desktop storage' step in the 'Create Collection' wizard. The left sidebar lists various configuration steps, with 'Virtual Desktop Storage' highlighted. The main area contains options for selecting the storage type and path.

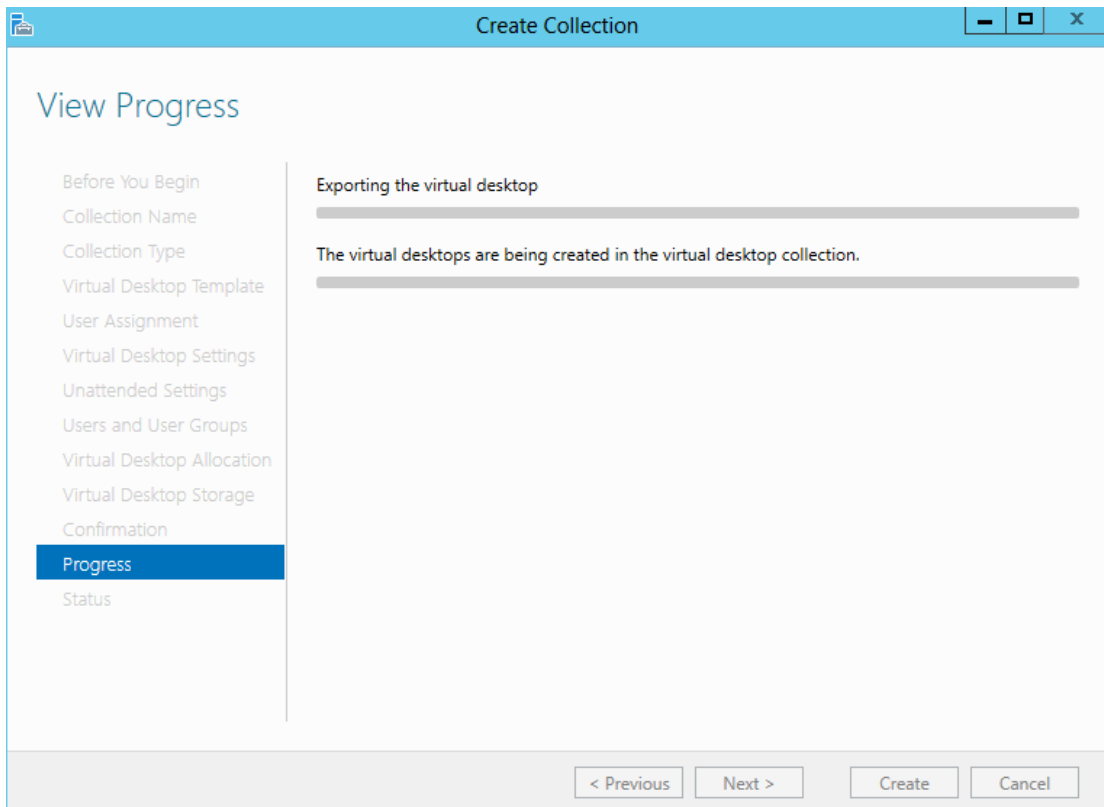
Before You Begin
Collection Name
Collection Type
Virtual Desktop Template
User Assignment
Virtual Desktop Settings
Unattended Settings
Users and User Groups
Virtual Desktop Allocation
Virtual Desktop Storage
Confirmation
Progress
Status

Select the type of storage, and then specify the path for the virtual desktops. You may specify a different path for the parent virtual hard disk, which may improve performance.

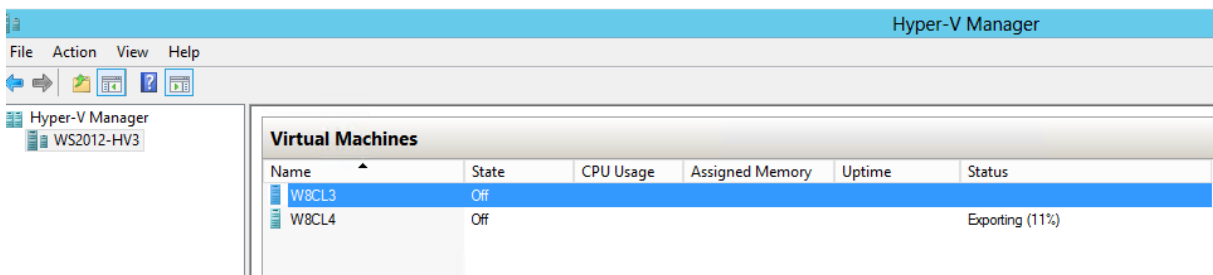
- Store on each RD Virtualization Host server:
C:\VM
- Store on a network share:
Example: \\ServerName\ShareName
- Store on a Cluster Shared Volume (CSV):
Example: C:\ClusterStorage\Vol1\VirtualDesktops

< Previous Next > Create Cancel

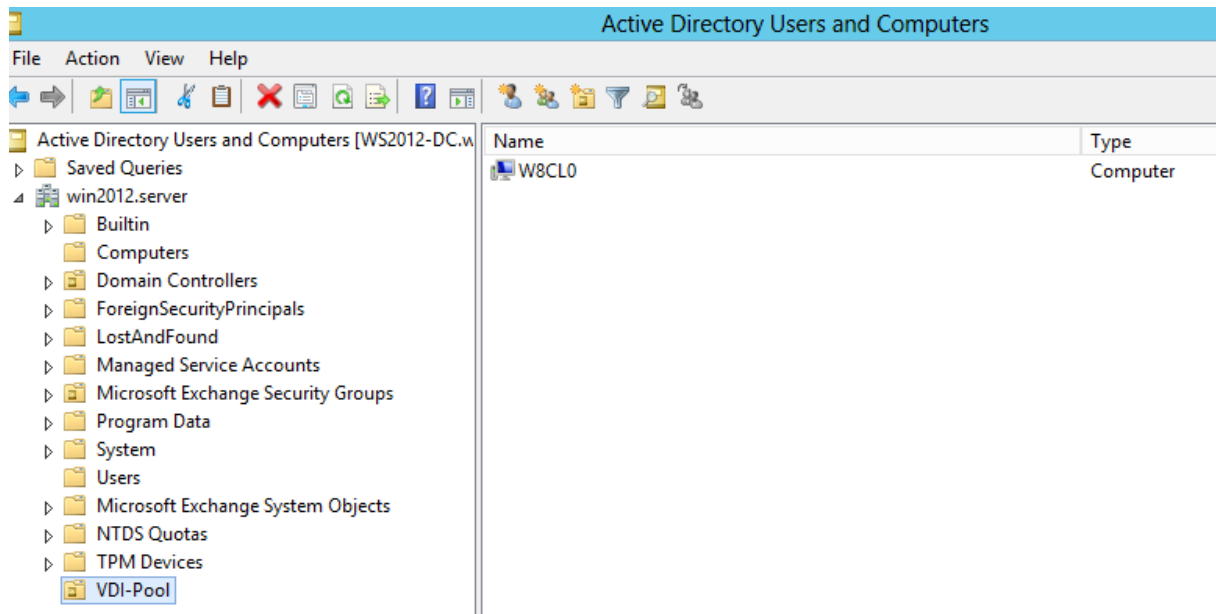
Es geht los



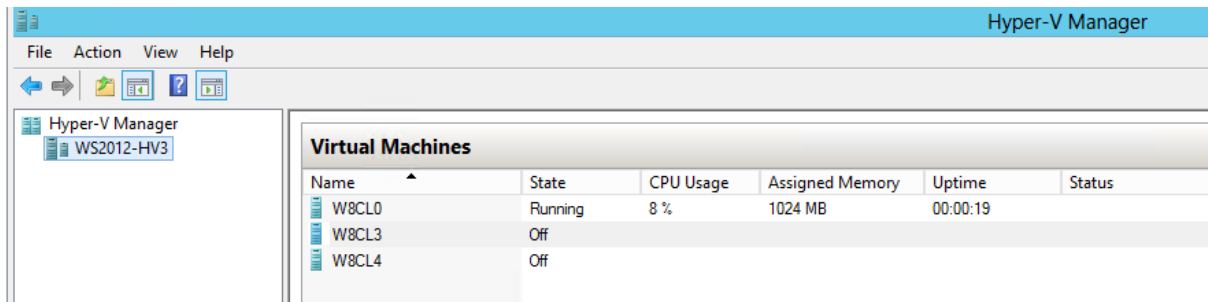
VM Template wird exportiert

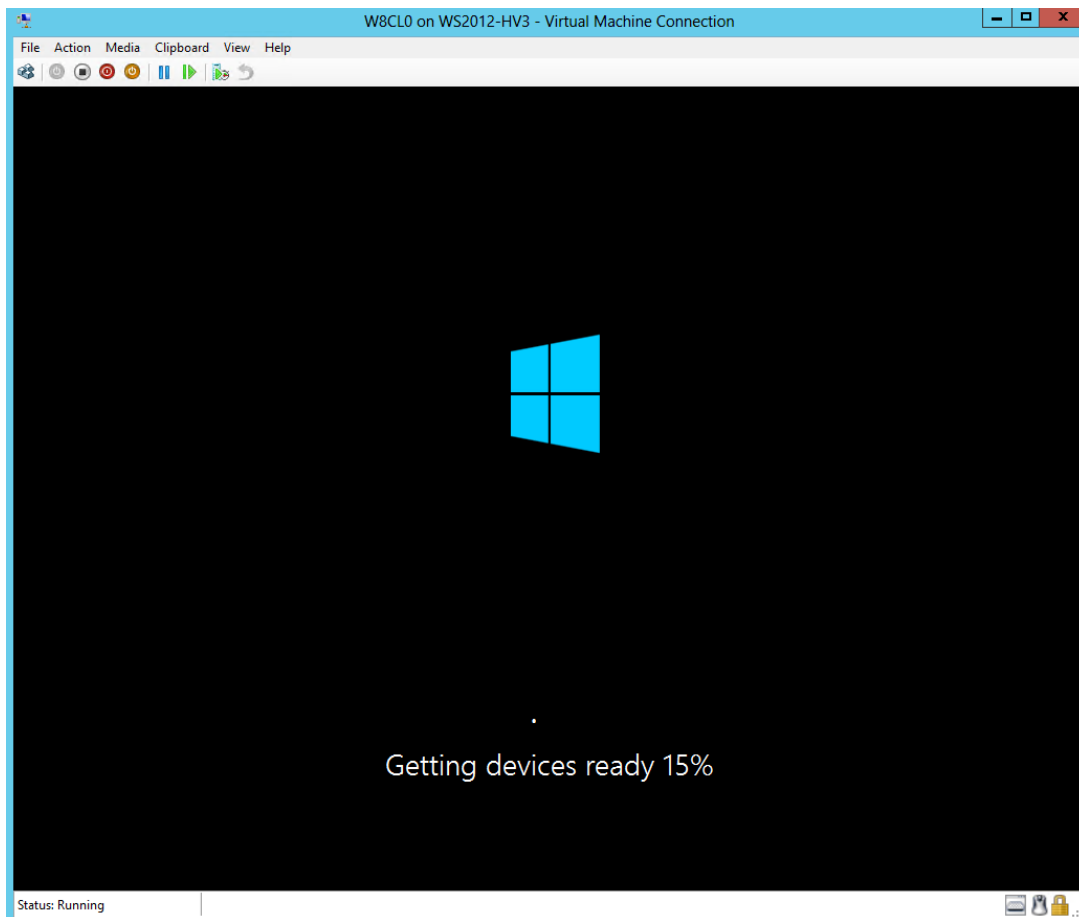


Im AD wird der neue Desktop angelegt

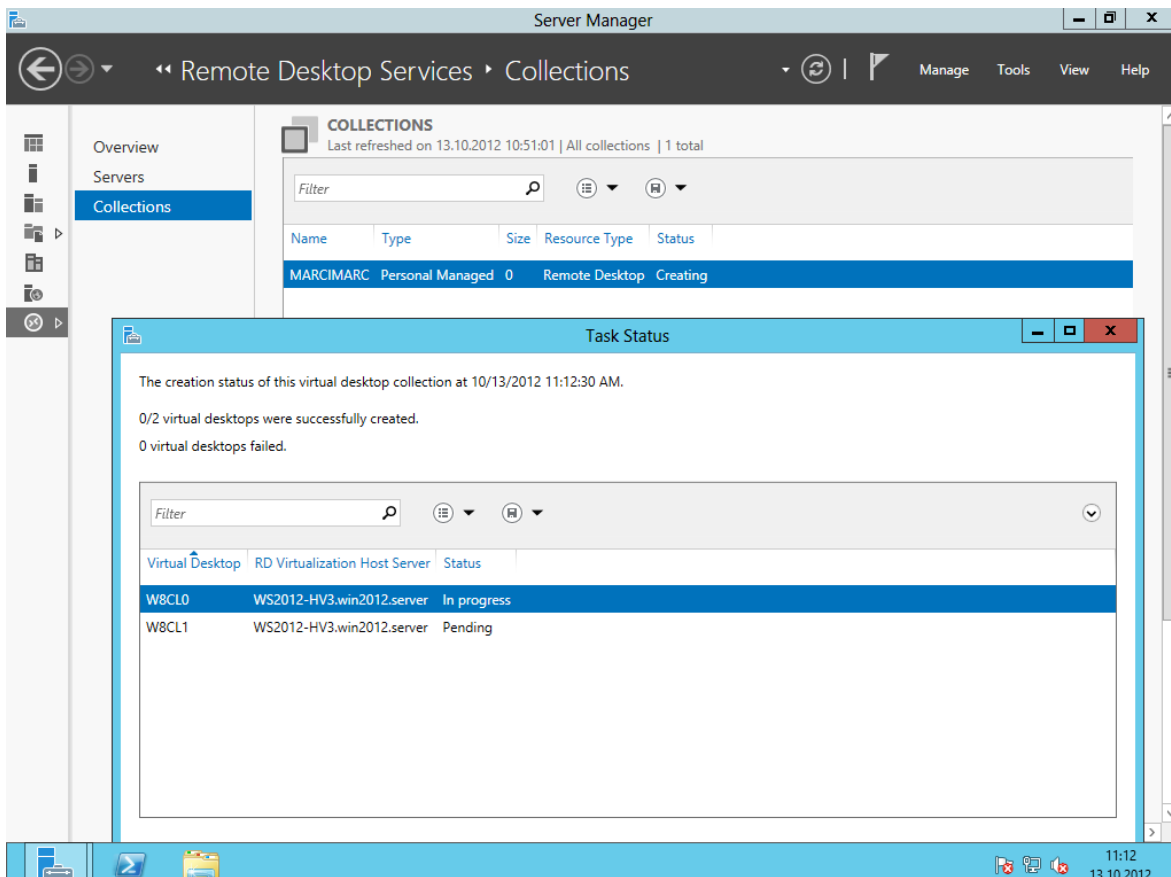


Neue VM wird installiert

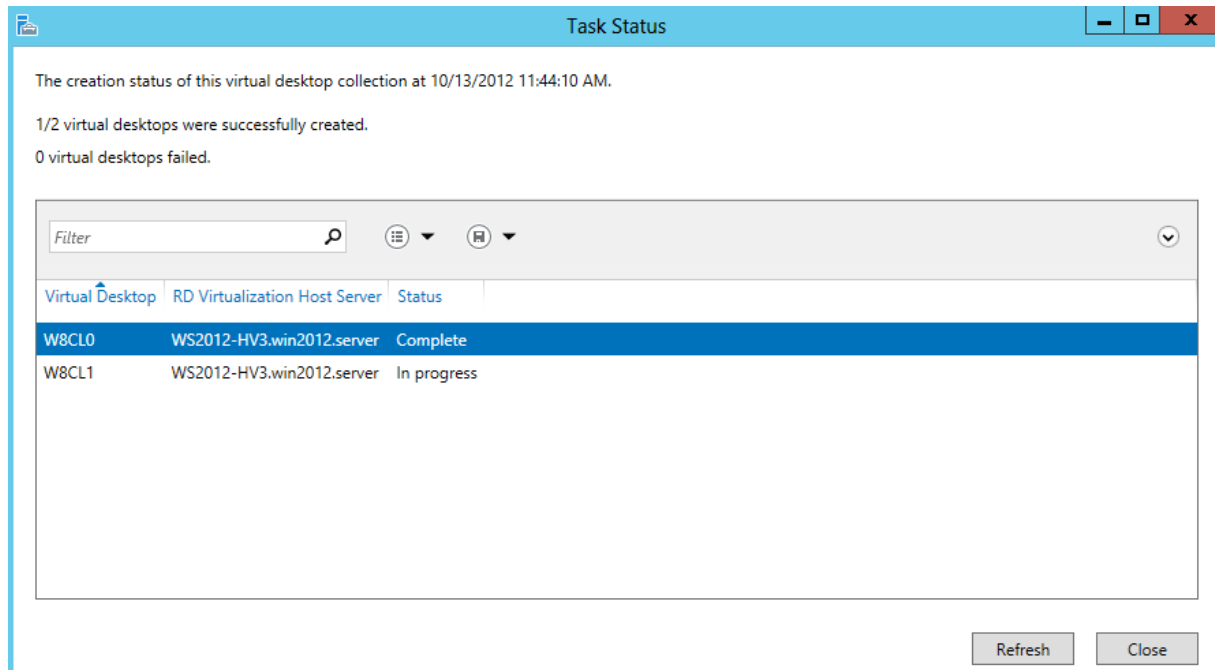




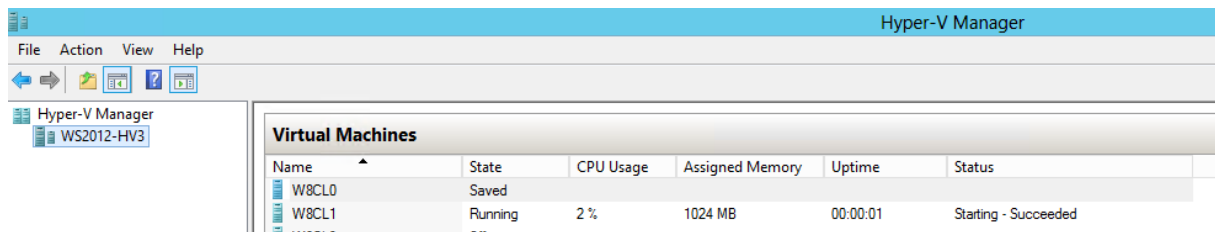
Der Prozess dauert etwas



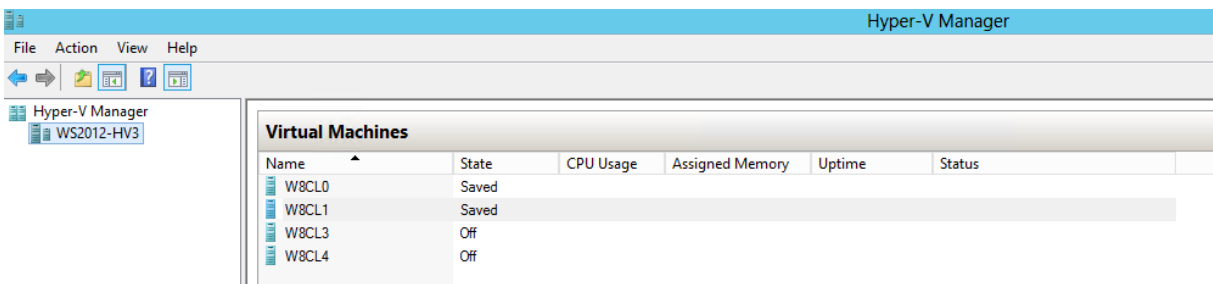
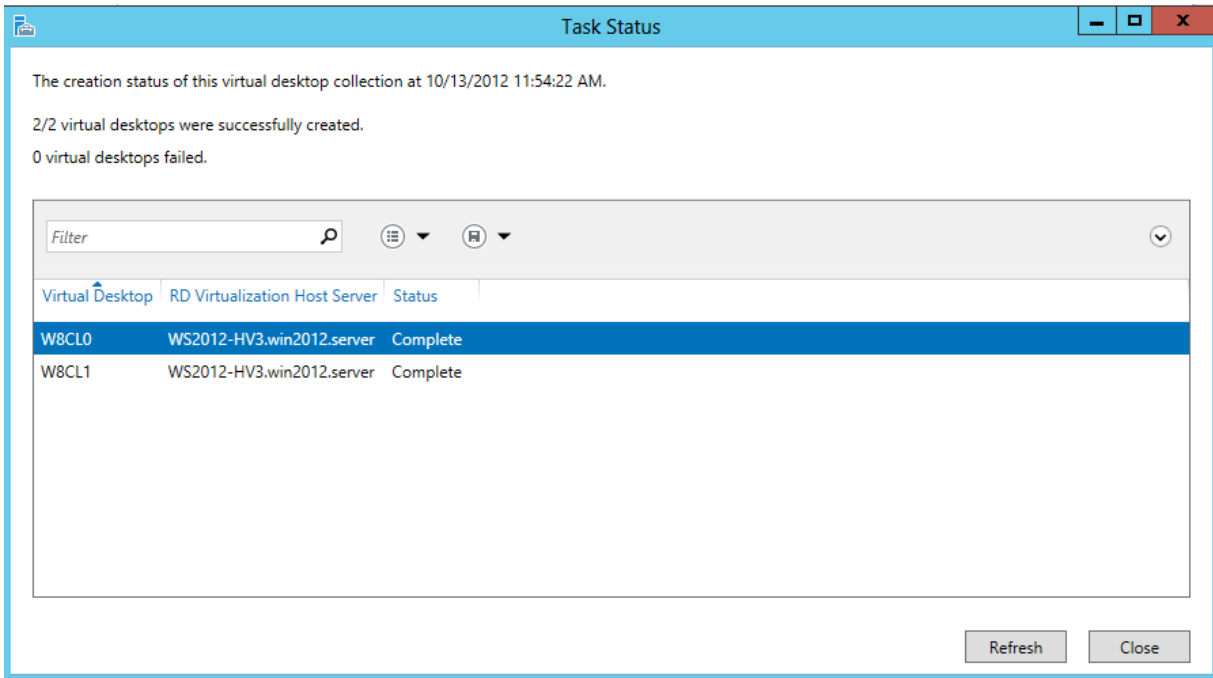
Wichtig: Der VDI Deployment Prozess erwartet das ein DHCP Server verfuegbar ist um IP Adressen an die neuen Desktops zu verteilen. Ist kein DHCP Server verfuegbar, steht der Prozess ewig auf „In Progress“. Eine manuelle Vergabe einer IP Adresse an den Client fuehrt auch zum Erfolg.



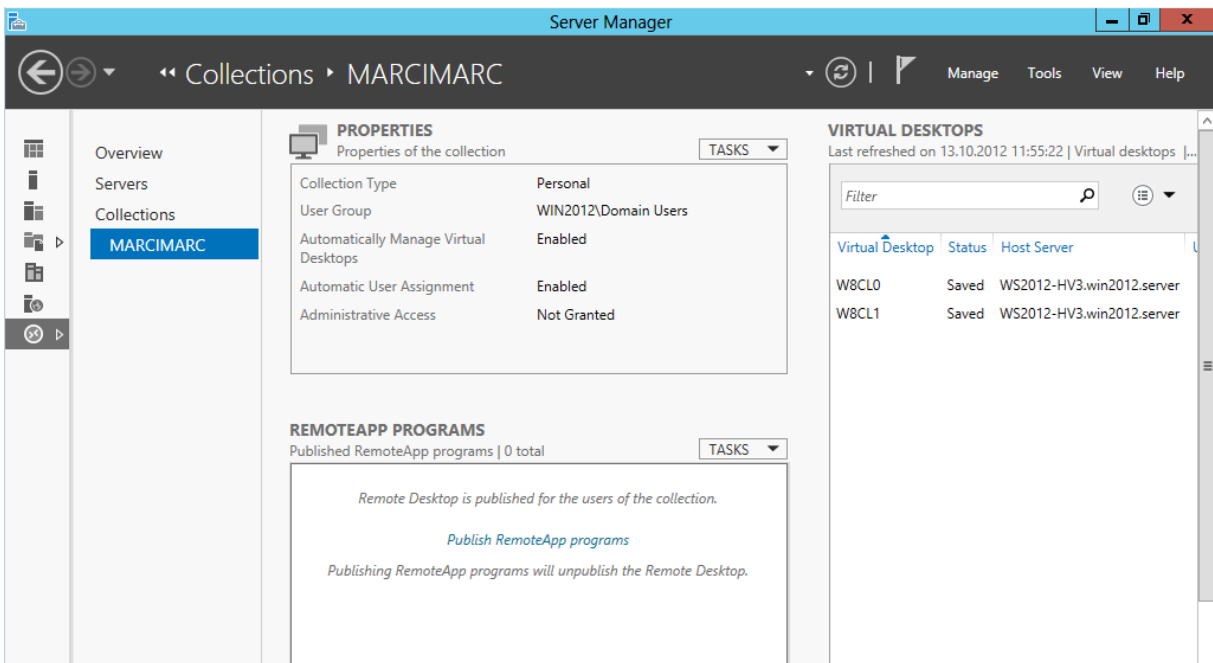
Der naechste Client wird gebaut



Fertig



Collection ist eingerichtet



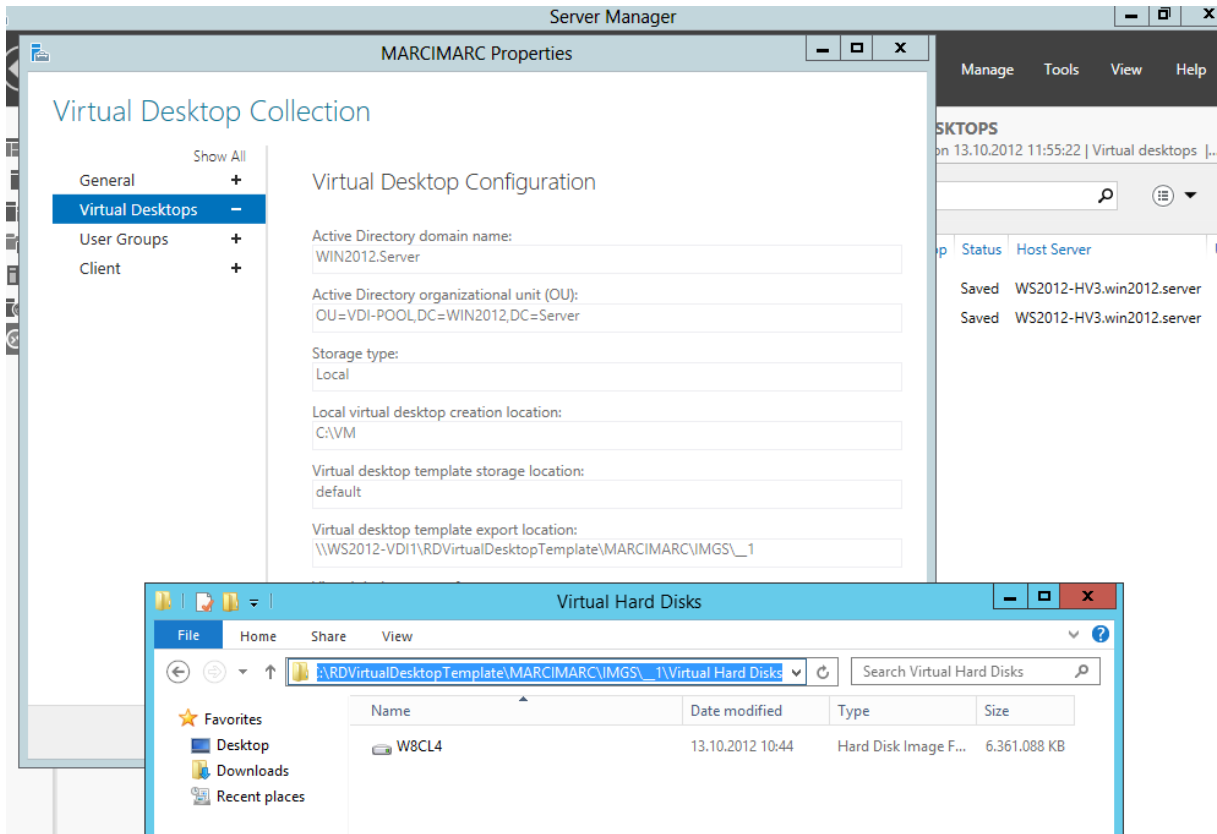
Virtual Desktop Collection Properties

The screenshot shows a Windows-style dialog box titled "MARCIMARC Properties". The main content area is titled "Virtual Desktop Collection". On the left, there is a navigation pane with a "Show All" link and four items: "General" (selected with a minus sign), "Virtual Desktops" (+), "User Groups" (+), and "Client" (+). The main area displays the "General" tab with the following fields and options:

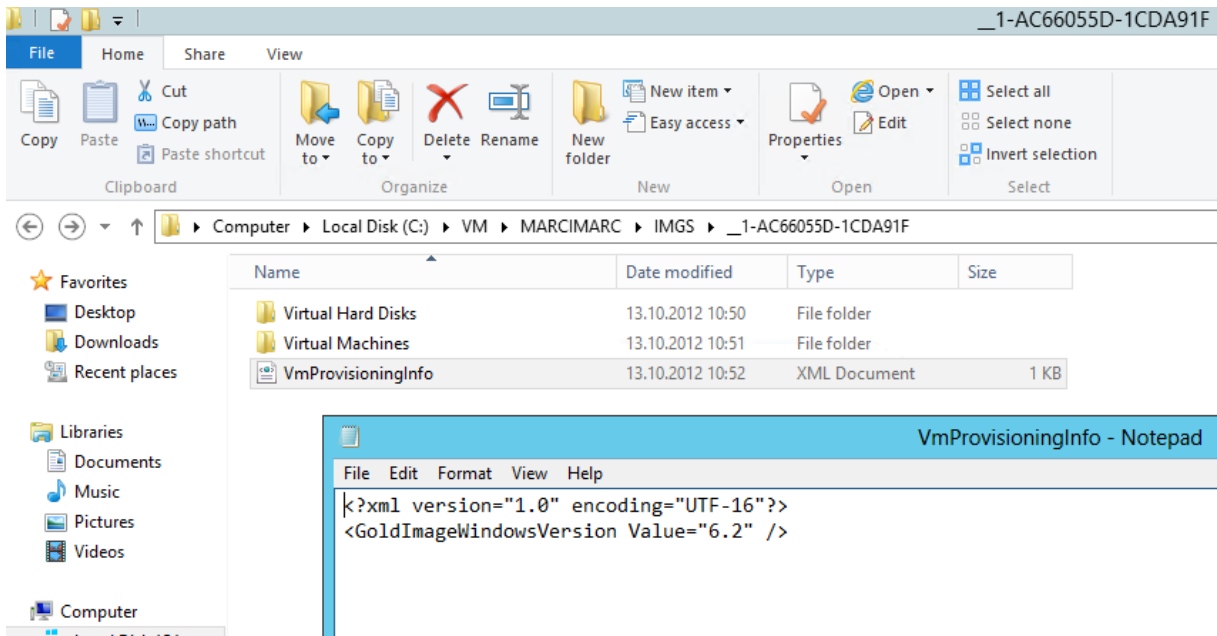
- Name: MARCIMARC
- Collection ID: MARCIMARC
- Description (optional): (empty text box)
- Show in RD Web Access: Yes No
- Collection type: Personal Managed
- Total virtual desktops: 2
- Enable save delay (in minutes): 0

At the bottom right, there are three buttons: "OK", "Cancel", and "Apply".

Virtual Desktop Template

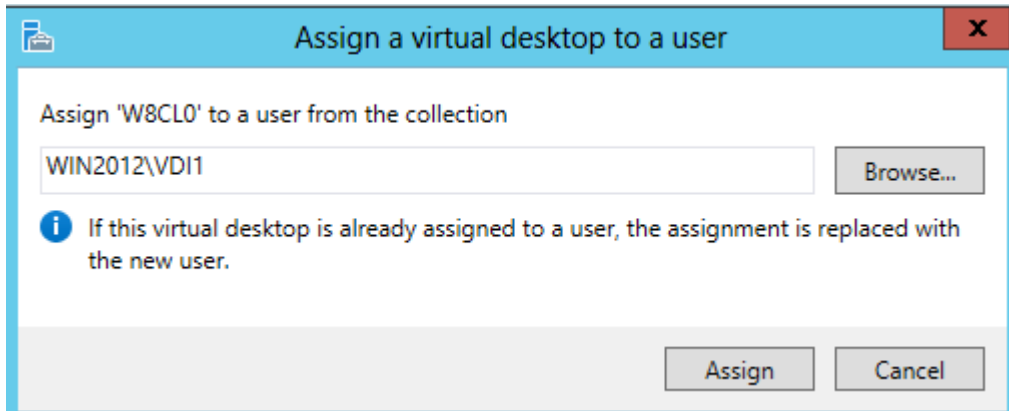
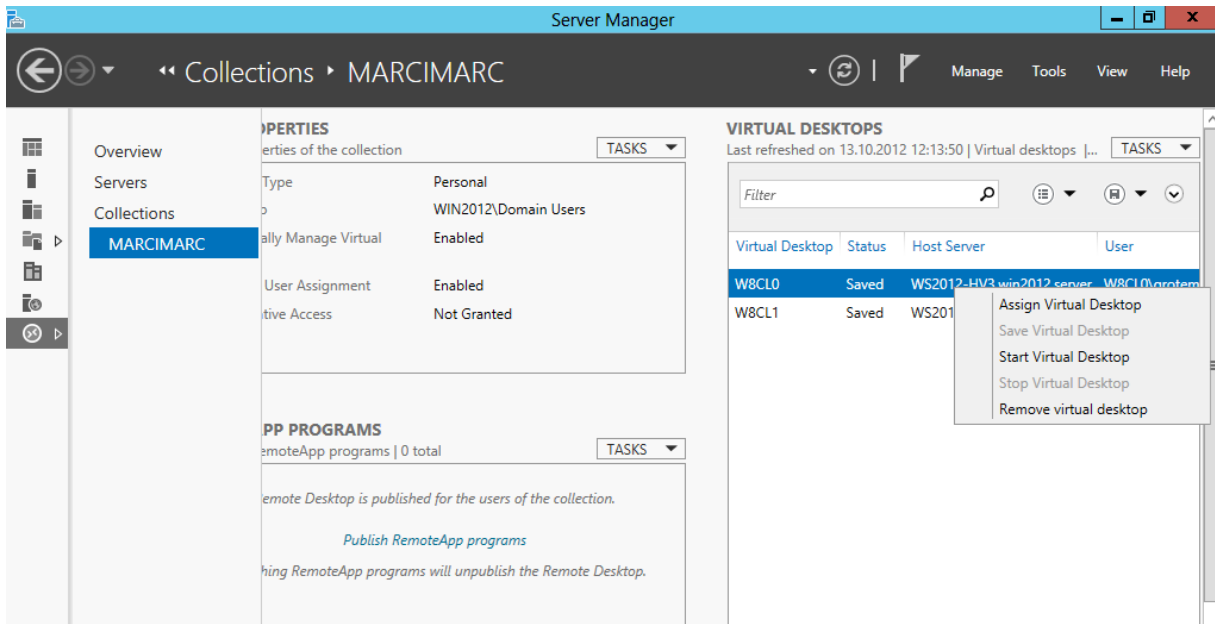


VDesktop / Images auf dem Hyper-V Server



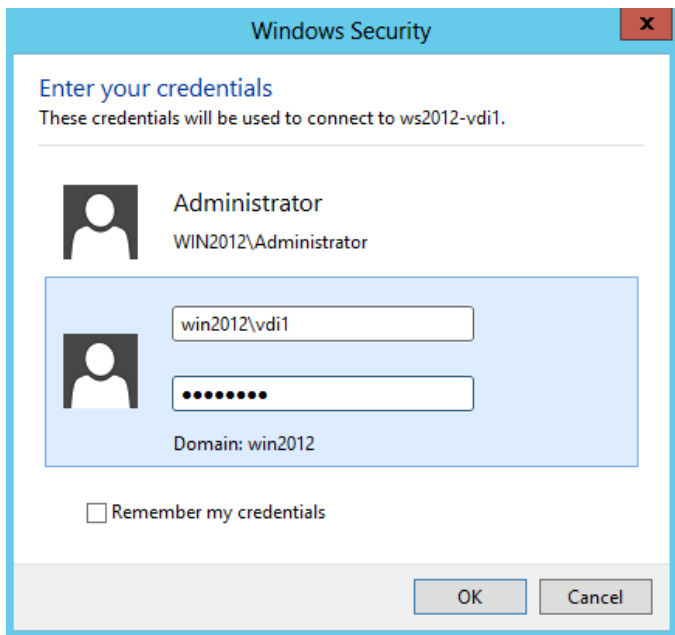
Als naechstes virtuellen Desktop zuweisen

VDesktop auswaehlen



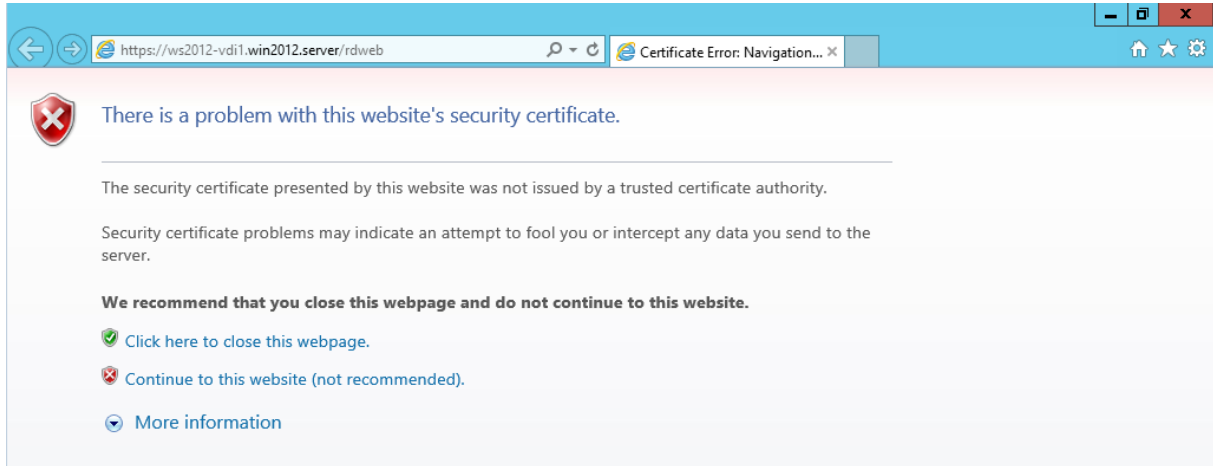
VDesktop starten

RDP Verbindung zu RDS Server aufbauen

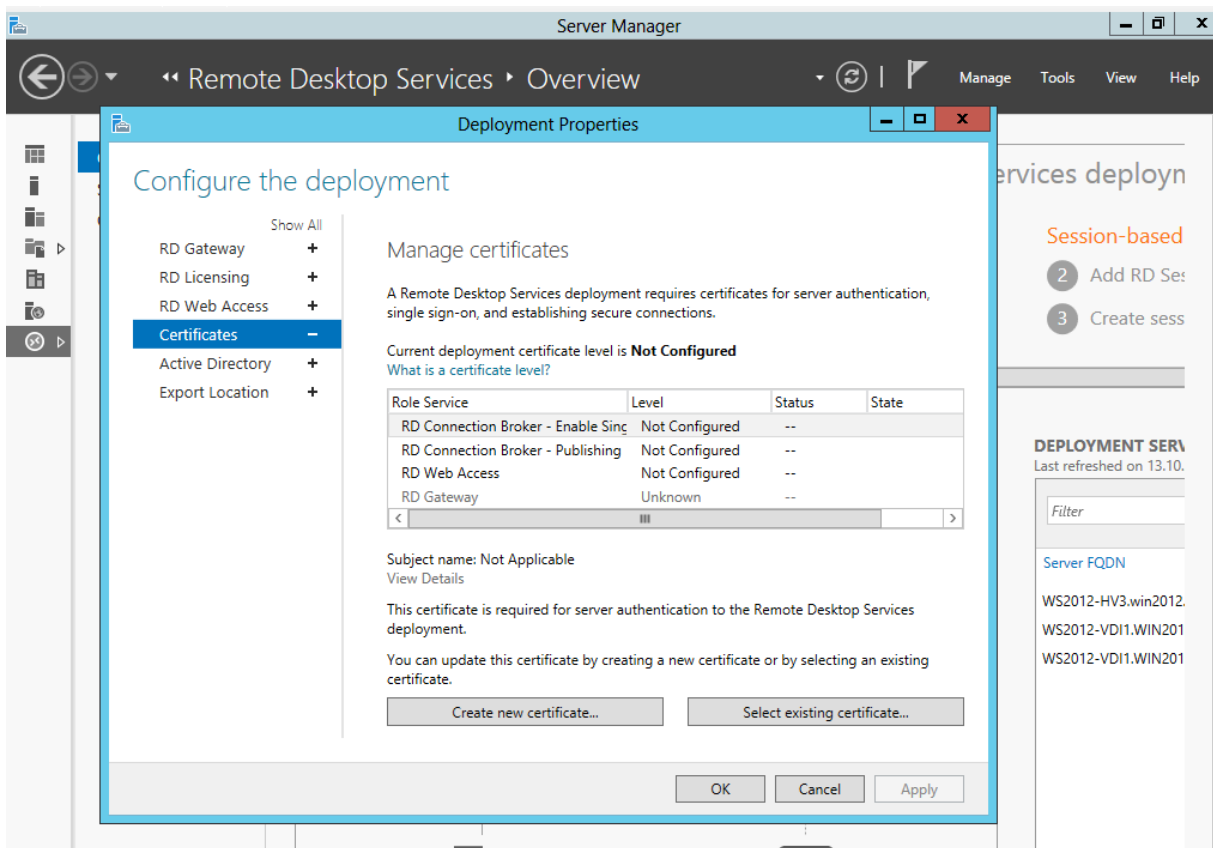


OK, Benutzer ist nicht in der erlaubten Liste fuer das RDP Login. Manuell oder per Gruppenrichtlinie einrichten

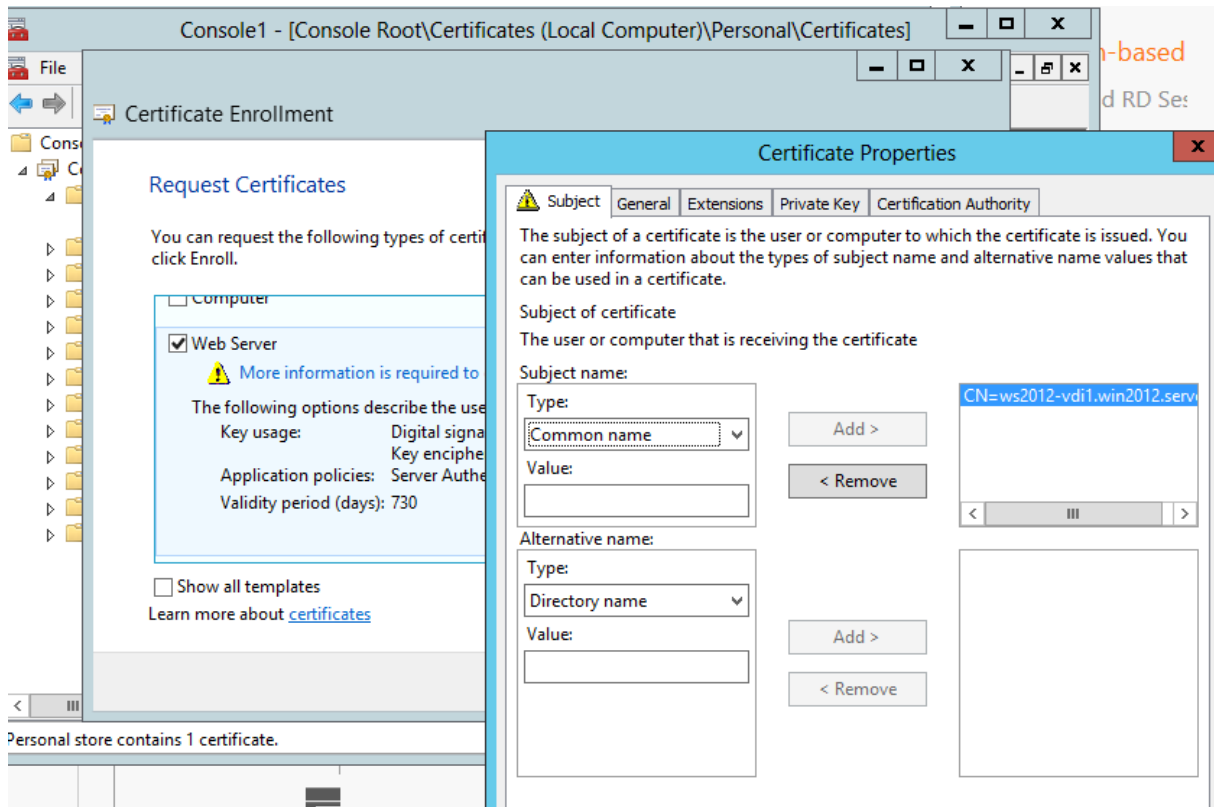
Verbindung mit RemoteApp Server



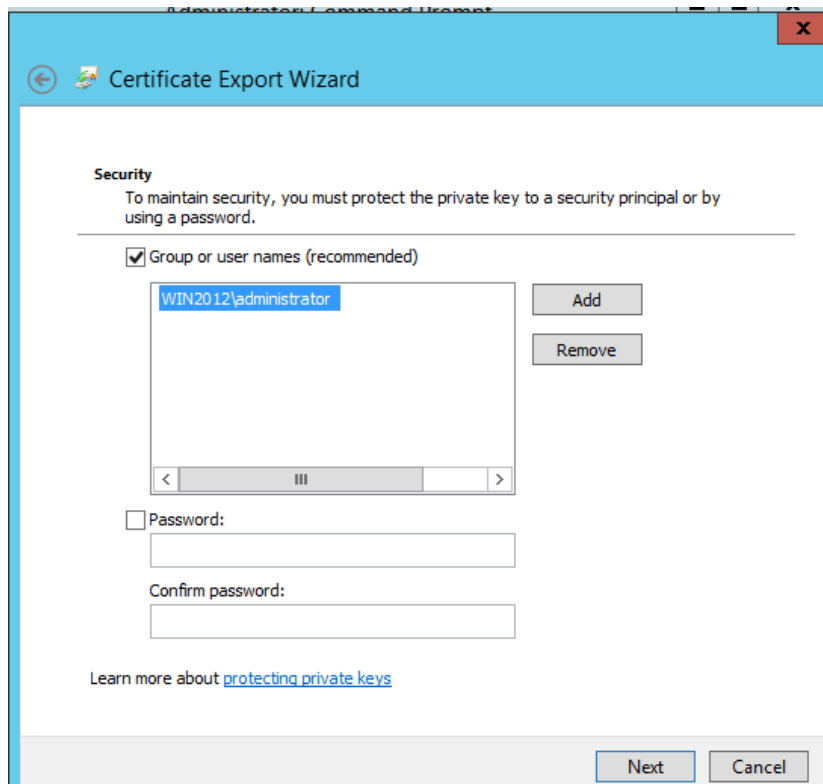
OK, naechste Baustelle, erst Zertifikat huebsch machen



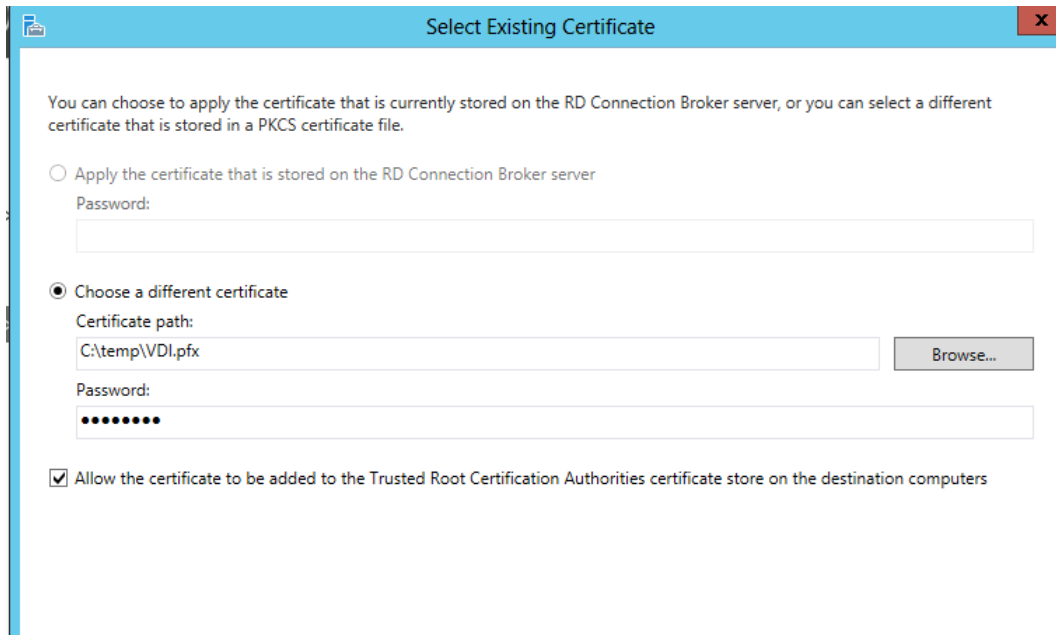
Neues Zertifikat anfordern



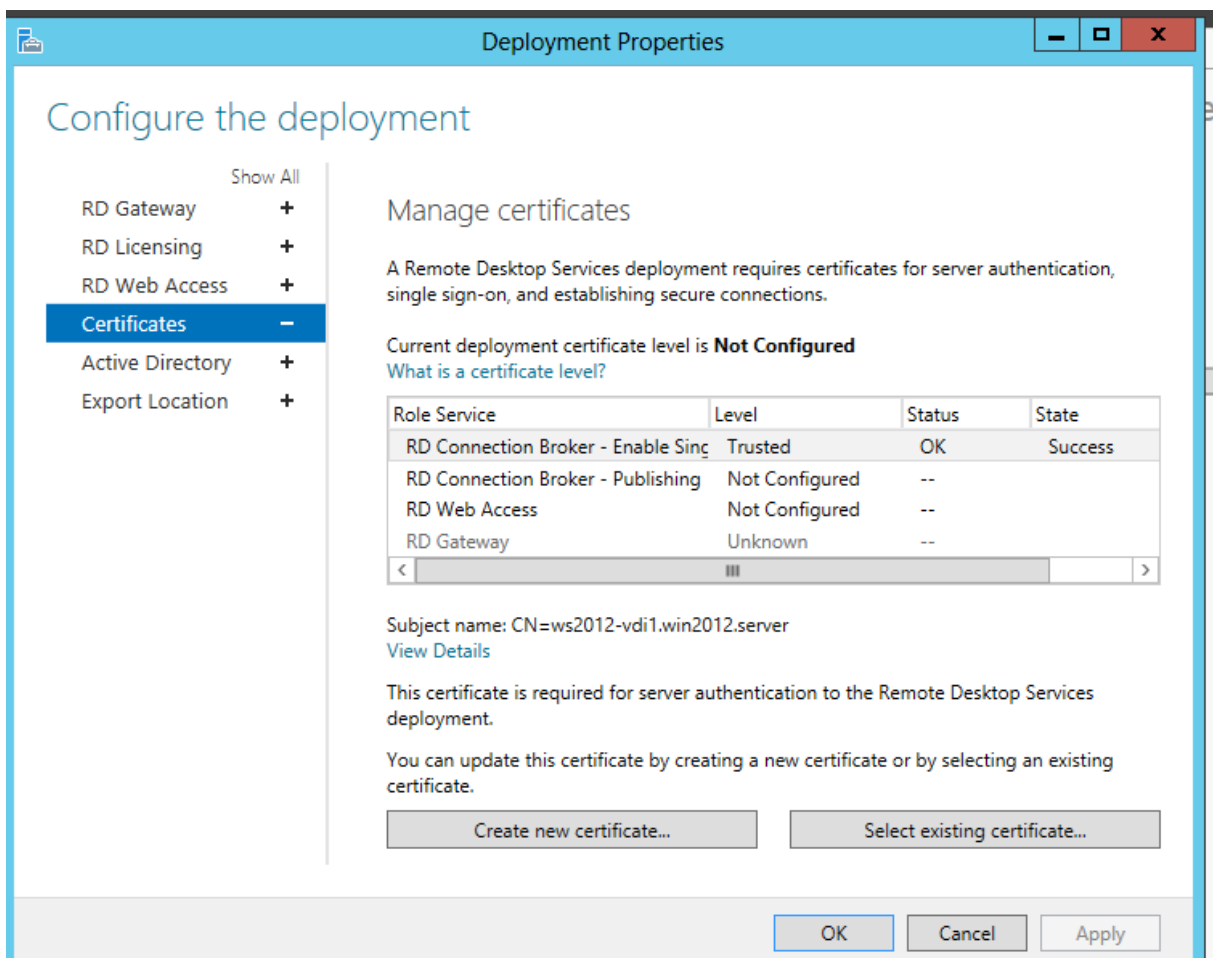
Zertifikat mit Private Key exportieren und gleich ne neue coole Funktion nutzen



OK, geht in dem bloeden RDS Wizard nicht, also Classic Way mit Kennwort Daemlicher Assistent. Warum muss ich das Kontrollkaestchen aktivieren, wenn es schon ein issued Certificate meiner Root CA ist



... und warum muss ich den Prozess pro RD Rolle ausführen. Was fuer ein Aufwand



So alles gut

Deployment Properties

Configure the deployment

Show All

- RD Gateway +
- RD Licensing +
- RD Web Access +
- Certificates -**
- Active Directory +
- Export Location +

Manage certificates

A Remote Desktop Services deployment requires certificates for server authentication, single sign-on, and establishing secure connections.

Current deployment certificate level is **Trusted**
[What is a certificate level?](#)

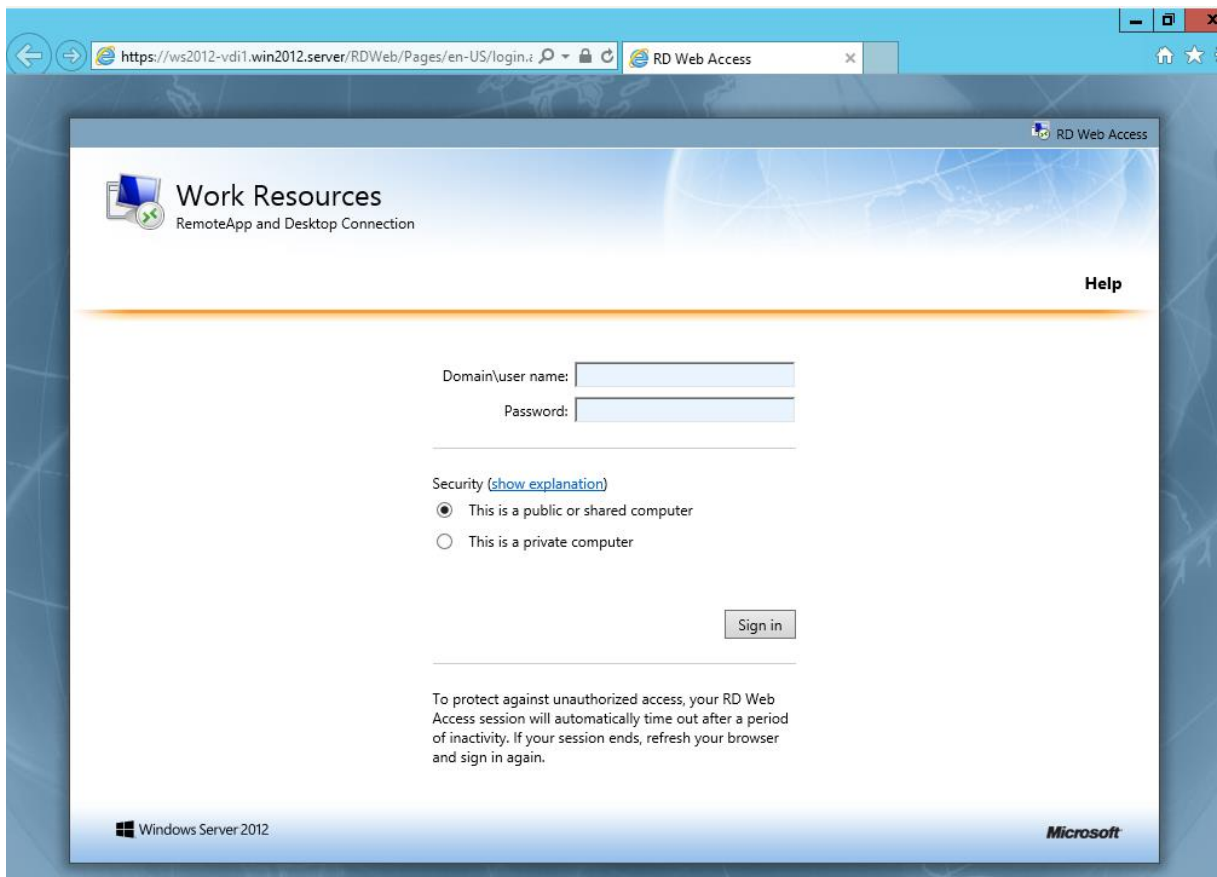
Role Service	Level	Status	State
RD Connection Broker - Enable Sing	Trusted	OK	Success
RD Connection Broker - Publishing	Trusted	OK	Success
RD Web Access	Trusted	OK	Success
RD Gateway	Unknown	--	

Subject name: CN=ws2012-vdi1.win2012.server
[View Details](#)

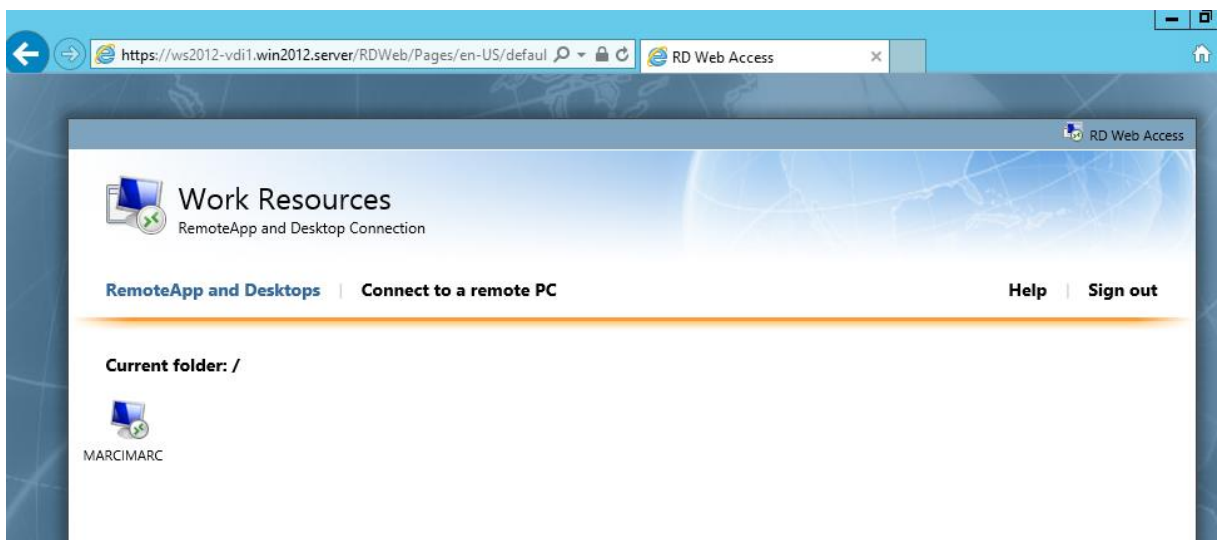
This certificate is required to enable RemoteApp and Desktop Connection subscription and server authentication for RD Web Access.

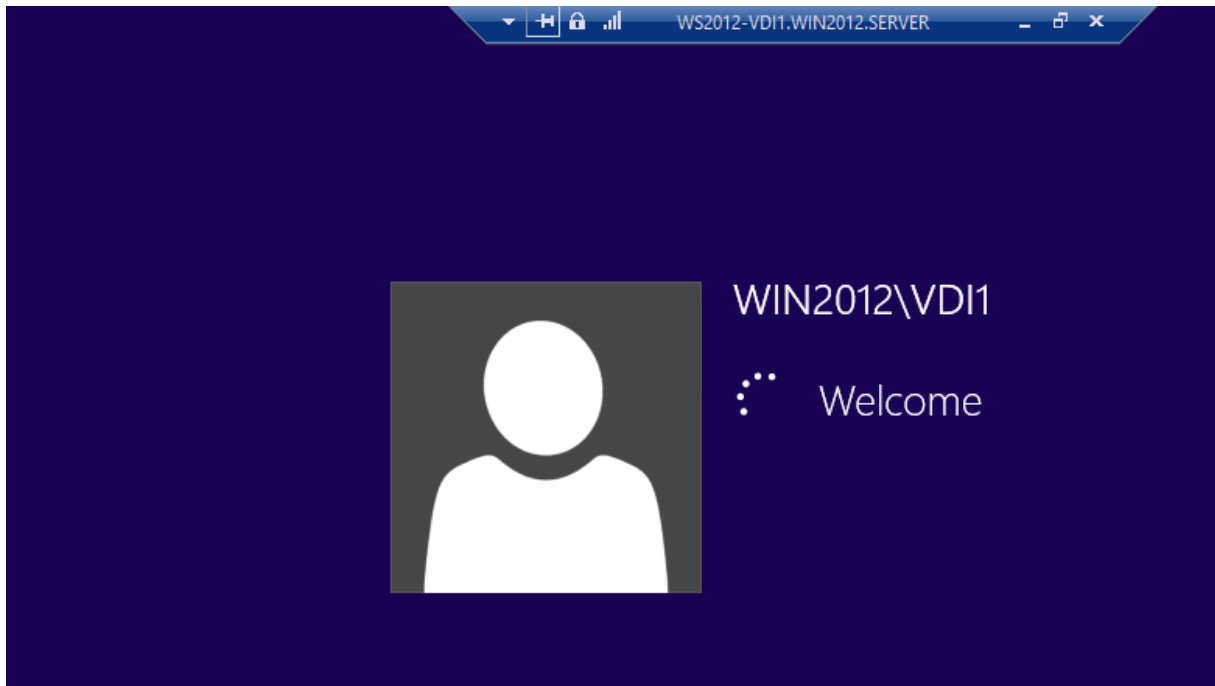
You can update this certificate by creating a new certificate or by selecting an existing certificate.

OK, sieht besser aus

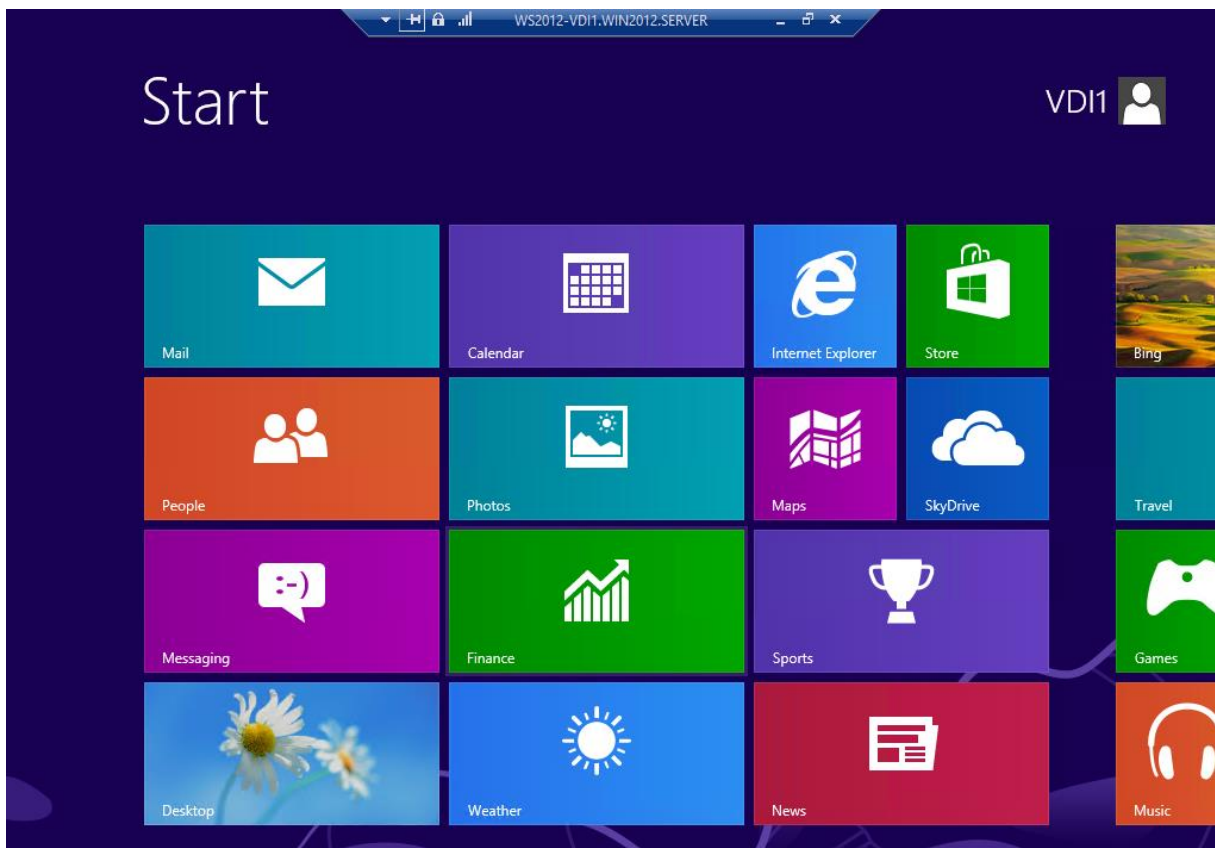


Verbindung





Da isser



Willkommen Nachricht senden ☺

Server Manager

Remote Desktop Services > Collections

Overview
Servers
Collections
MARCIMARC

COLLECTIONS
Refreshed on 13.10.2012 11:55:22 | All collections | 1 total

Type	Size	Resource Type	Status
Personal Managed	2	Remote Desktop	

SEND MESSAGE

Message title:
Message from: administrator, Sent: 10/13/2012 1:32:35 PM

Message:
Willkommen

Send Cancel

SERVERS
Refreshed on 13.10.2012 11:55:22 | All servers | 1 total

Type	Virtual Desktops	Allow New Connections
RD Virtualization Host	4	N/A

CONNECTIONS
Last refreshed on 13.10.2012 13:31:39 | All connections | 3...

Collection Name	Server FQDN	User	Session
MARCIMARC	WS2012-HV3.win2012.server	W8CL1\grotem	Discon
MARCIMARC	WS2012-HV3.win2012.server	WIN2012\VDI1	Discon
MARCIMARC	WS2012-HV3.win2012.server	WIN2012\VDI1	Active

WS2012-VDI1.WIN2012.SERVER

Recycle Bin

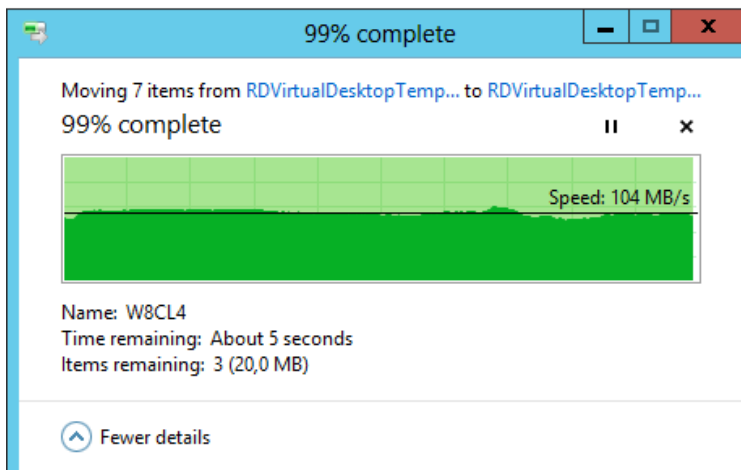
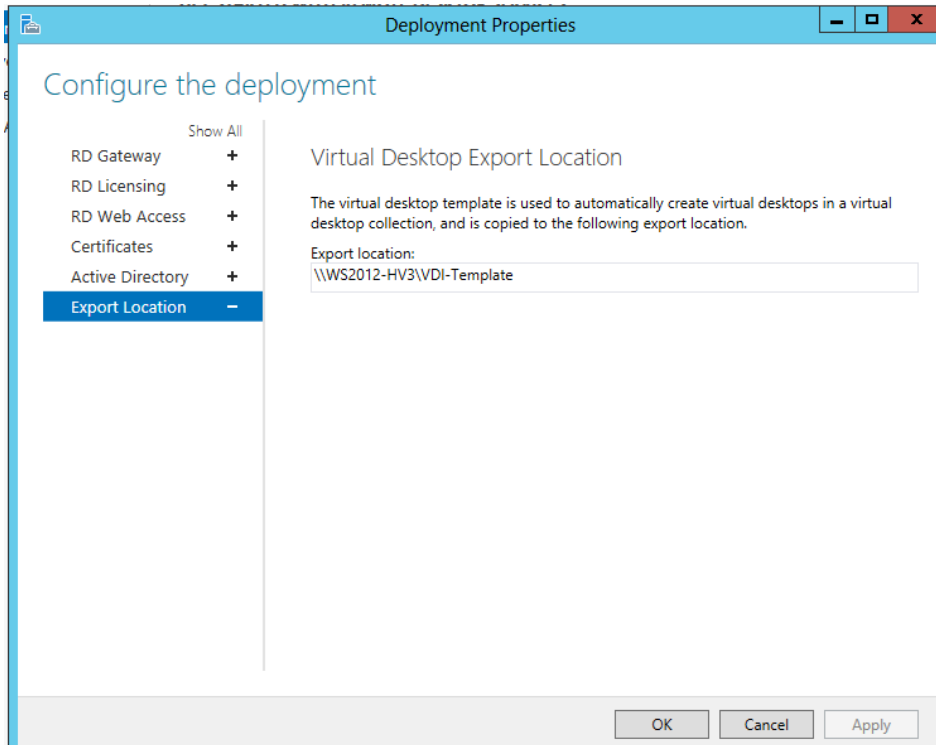
Message from: administrator, Sent: 10/13/2012 1:32:35 PM

Willkommen

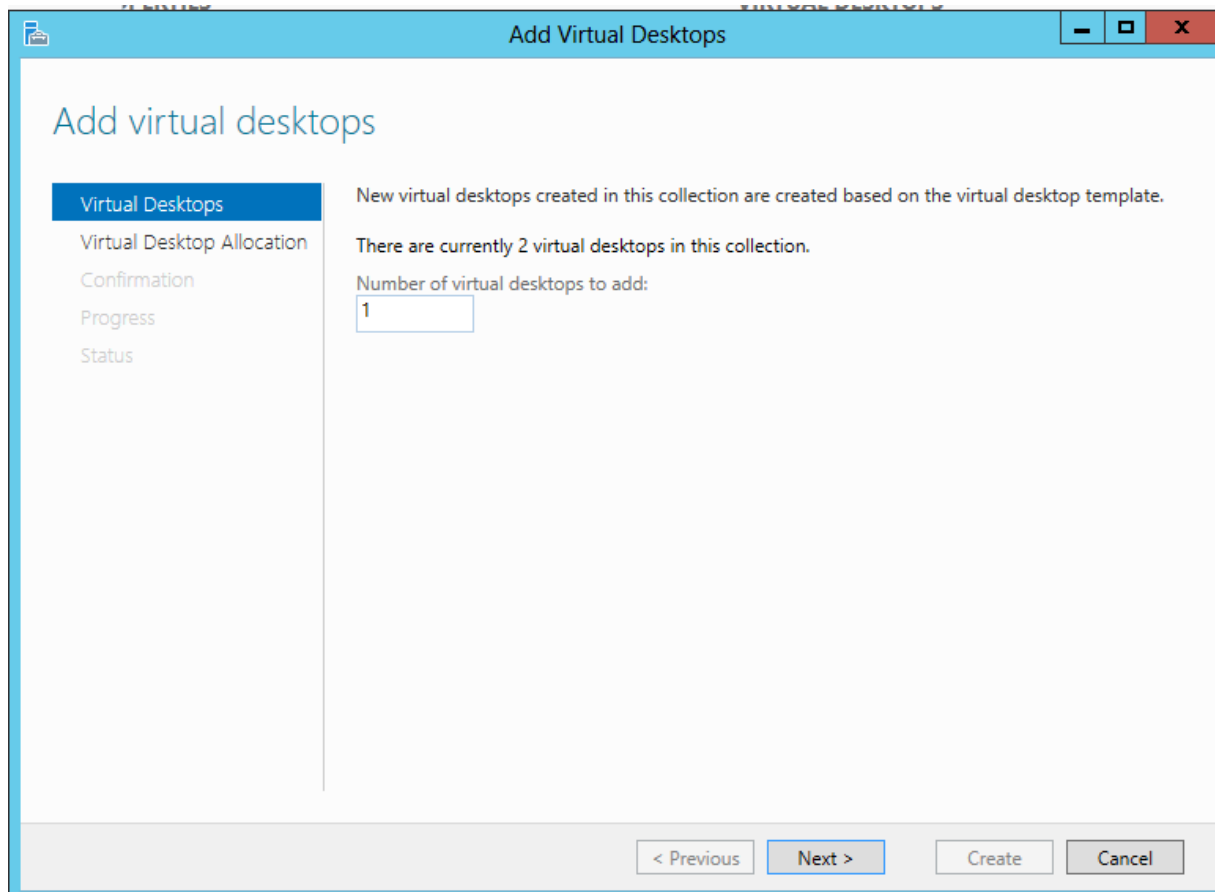
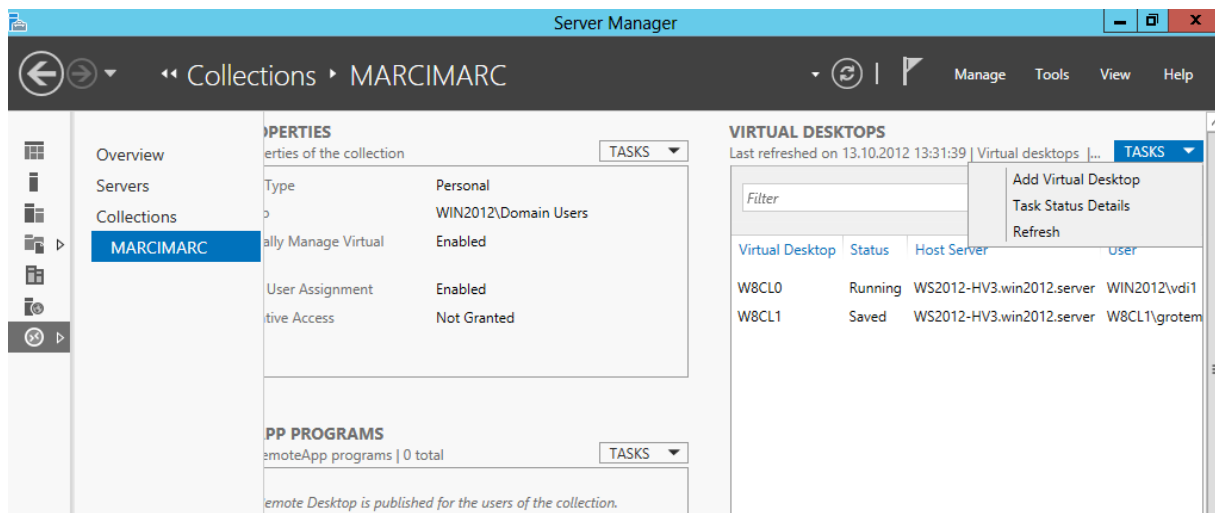
OK

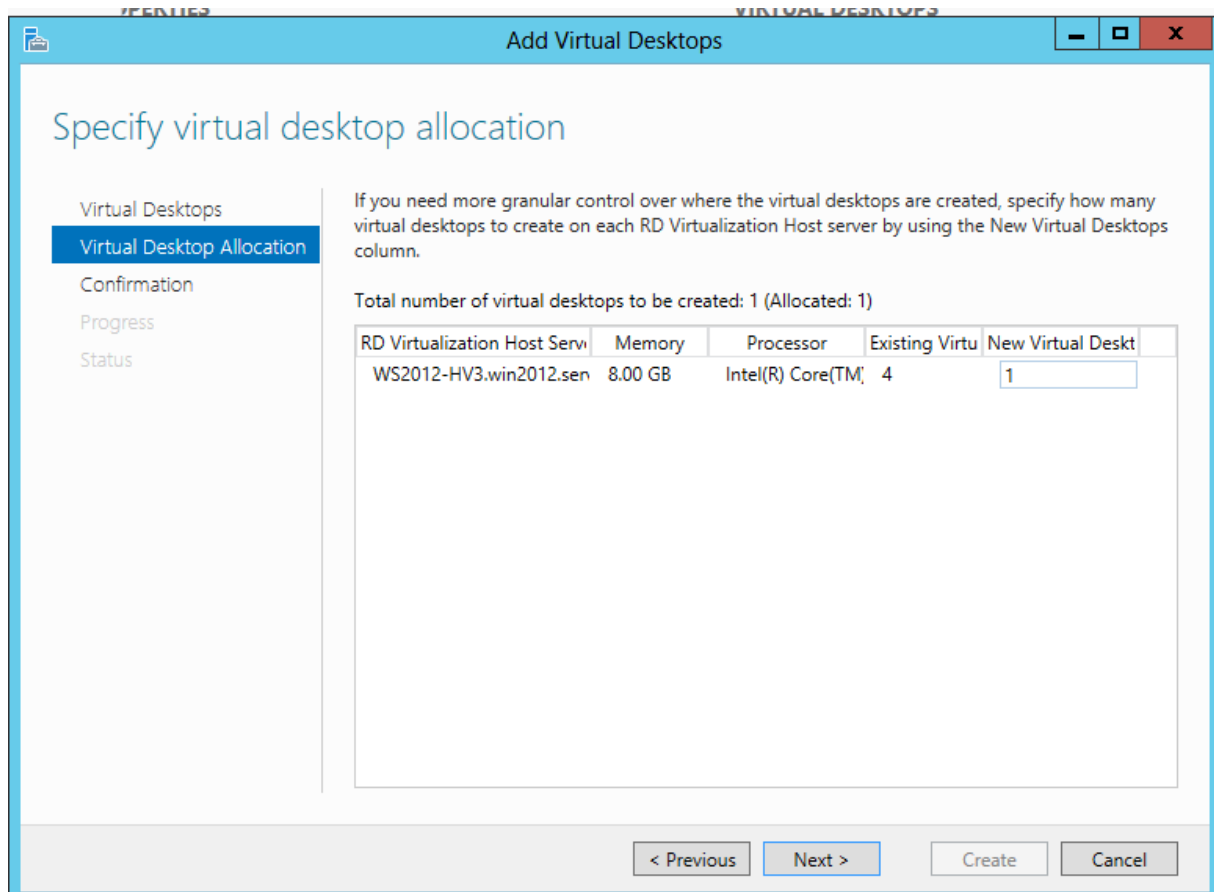
Feinarbeit:

VDesktop Template von RDS Server auf Hyper-V Server oder SAN / Fileservere verschieben



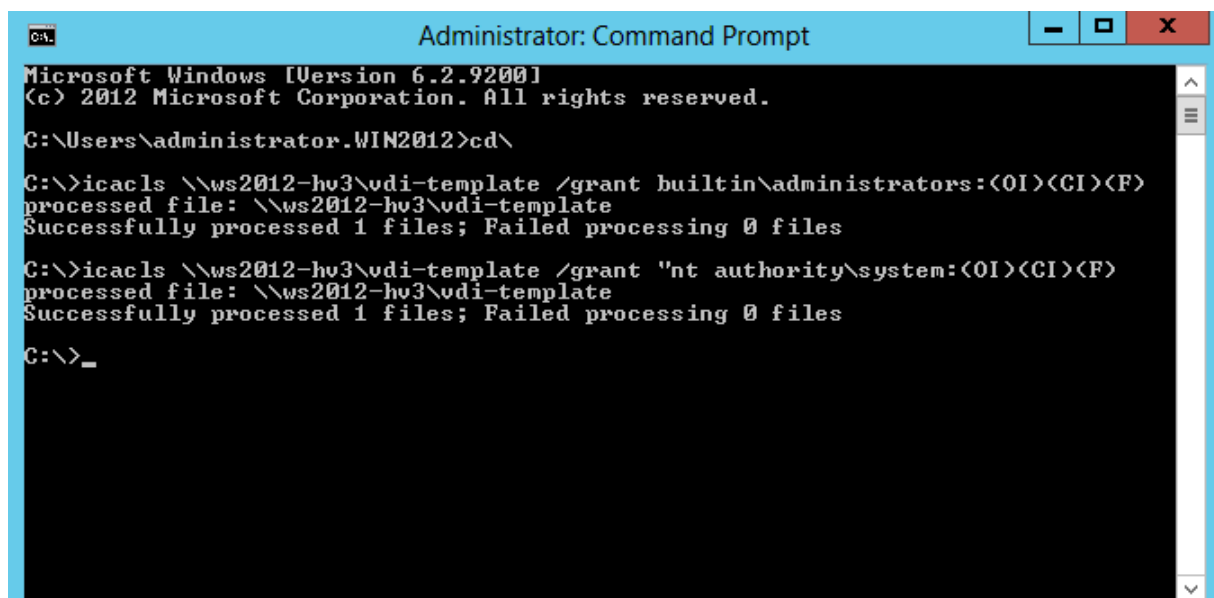
Weitere virtuelle Desktops hinzufuegen





Bei dem Versuch einen neuen Desktop nach Verschieben des Templates hinzuzufügen schlägt fehl mit der Meldung, dass die Vorlage nicht gefunden wird.

Loesung: <http://support.microsoft.com/kb/2737614/en-us>



Hier ist auch noch alles OK:

```
Administrator: Windows PowerShell
PS C:\Users\administrator.WIN2012> import-module RemoteDesktop
PS C:\Users\administrator.WIN2012> Get-RDVirtualDesktop

CollectionName      VirtualDesktopName  State      ProvisioningStatus  HostName
-----
MARCIMARC          W8CL3              STOPPED    UNKNOWN            WS2012-HU3.win2012.server
MARCIMARC          W8CL4              STOPPED    UNKNOWN            WS2012-HU3.win2012.server
MARCIMARC          W8CL0              RUNNING    SUCCESS             WS2012-HU3.win2012.server
MARCIMARC          W8CL1              SAUED     SUCCESS             WS2012-HU3.win2012.server

PS C:\Users\administrator.WIN2012> Get-RDVirtualDesktopTemplateExportPath
\\WS2012-HU3\UDI-Template
PS C:\Users\administrator.WIN2012> _
```