Forefront UAG Array und NLB

Array Management Wizard starten

🗟 Microsoft Forefront Unified Access Gatew	ay Management	_ 8 ×
File View Admin Messages Help		
🔚 🚳 🔜		
Forefront Unified Access Gateway		
- S HTTP Connections	Array Management Wizard	
HTTPS Connections		
DirectAccess		
	Welcome to the Array Management Wizard	
	This wizard helps you to configure and manage arrays.	
	Use this wizard to:	
	1 Colores the second	
	2. Add servers to the array manager server	
	3. Manage array members:	
	Opdate array manager settings Remove servers from the array	
	,	
	< Bark Next > Cancel	
Message Time Message Type	Message	

Ersten Server als Array Manager festlegen

Array Management Wizard 🔀 🔀	1
Step 1 - Configure Array Settings	
Configure array membership, or set this server as the array manager. Select one of the options below.	
Set this server as the array manager	
${f C}$ Add this server to an array	
f O Change the array manager used by this server	
C Remove this server from an array	
O Specify array credentials	
Current server status: Single server	
	-
< Back Next > Cancel	

Array Credentials

Array Management Wiz	ard	×
Step 2 - Specify / Specify the credentials server-specific settings	Array Credentials used to connect to storage and to retrieve from array members.	
Credentials		
User name:	administrator	
Password:	•••••	
Confirm password:	••••••	
Domain:	TRAINER	
	< Back Next > Cancel	

Array Manager festlegen

Name	IP Address	Status
JAG	10.80.16.79	Array manager
		Add Remove
	_	Nomo vo

Zweiten UAG Server als Array Mitglied hinzufuegen

Add/Edit Serve	r X
Enter the serve	r details.
Name:	UAG2.trainer.intern
IP address:	10 . 80 . 16 . 81
	OK Cancel

Zusammenfassung

Array Management Wizard		×
Set Server as Array Manager You have successfully completed the wizard. Whe server will become the array manager.	en you dick Finish, this	
User credentials: TRAINER \administrator Number of array servers: 2		
< Back	Finish	ancel

Server ist jetzt Array Manager



Konfig speichern und aktivieren



Auf dem zweiten UAG Knoten

🔜 Getting Sta	arted Wizard	×
Welcome to This wizar	D Microsoft Forefront Unified Access Gateway 2010 d helps you configure your network settings.	
\checkmark	Configure Network Settings Specify how Forefront UAG is connected to your network.	
➡	Define Server Topology Optionally join this Forefront UAG server to an array.	
	Join Microsoft Update Optionally join Microsoft Update to receive updates for Forefront UAG.	
	Close	

Array Management starten

Server Management Wizard	X
Select Configuration	
Specify whether this is a single Forefront UAG server, or configure it as an array member.	
C Single server	
• Array member	
Forefront UAG array members must belong to a domain.	
< Back Next > Cancel	

Server zum Array hinzufuegen

Array Management Wizard	×
Step 1 - Configure Array Settings Configure array membership, or set this server as the array manager. Select one of the options below.	
 Set this server as the array manager Add this server to an array 	
 Add this server to an array Change the array manager used by this server C Remove this server from an array 	
C Specify array credentials	
Current server status: Single server	
< Back Next > Can	el

Array Manager auswaehlen

Step 2 - Sele	ect Array Mana	iger		
elect the array	manager, and speci	ify the credentia	is used to cor	nect to it.
Array manager	(IP address or FOD)	N):		
				Province
UNG				browse
- User credenti:	ale			
Enter a user	account that has a	dministrator per	nissions on ev	erv arrav
member. It is	recommended that	t you use an acc	ount with a lo	ng expiry
period.				
Liser name:	administrator			
user name.				
Password:	•••••			
	i			
Domain:	trainer.intern	added this serve	r to the list of	farray
Domain:	trainer.intern	added this serve nager.	r to the list of	farray

Server zum Array hinzufuegen

y Management Wizard			3		
oining the Array					
ou have successfully completed the wizard. When you click Finish, this erver connects to the array manager using the settings provided.					
Array manager: UAG					
Array credentials: trainer.intern\a	dministrator				
L					

Array Join



Erfolgreich. UAG Konsole schliessen und neu starten



UAG Array Verwaltung nur uber den Array Manager 😣



NLB einrichten

rtual IP	Interface Type	Subnet	Address Type	In Use	Add
					Edit
					Remove

Configure Virtual IP Addresses					
Select a network and de	efine virtual IP addresses.				
Network:	External				
• IPv4					
Virtual IP address:	212 . 212 . 10 . 222				
Subnet mask:	255 . 255 . 255 . 0				
C IPv6					
Virtual IP address:					
Subnet prefix:					
	OK Cancel				

Array IP NLB Konfig

/irtual IP	Interface Type	Subnet	Address Type	In Use	Add
212.212.10.222	External	255.255.252.0	IPv4 IPv4	Yes	Edit
					Remove

OutlookWebApp			3
Portal	Applications		
Public host name: webmail.trainer.de Port: 443	Application Name	Application Type	
	Portal	Portal	
External Web site	OutlookWebApp Microsoft Exchange Server		
HTTPS Port: 🗲 443 💌		Local Drive Mapping	Û
Use integrated NLB			÷
Virtual IP: 212 , 212 , 10 , 222 ▼ Add			
C Use non-integrated NLB			
Array Member IP UAG (local) 212.212.10.4 UAG2 * * * *		Add Edit, Remove	
	Limit applications to the f	ollowing subnets:	
	Subnet Address	Subnet Mask	
Initial Internal Application			
Initial application : OutlookWebApp			
Use portal frame		Add Edit Remov	ve
Trunk Configuration			
Configure trunk settings: Configure			1 .

Outlook Web App Trunk auf integriertes NLB umstellen

Konfig speichern und aktivieren

Ah, gut mitgedacht. DA UAG in meinem Hyper-V laeuft, muss das MAC Spoofing aktiviert werden

Activate Configuration	×
🔅 Activate Configuration	
The following issue(s) occurred when activating the configuration	
2). If Forefront UAG is running on a virtual machine, ensure that MAC address spoofing is enabled on the host mac	hine.
•	
F	inish



Also, die beiden UAG Server herunterfahren und dann die Konfig aendern

Server neu booten und die Konfiguration wieder aktivieren

NLB in TMG aktiviert

	1	1	1	1			
🧧 E-Mail Policy	Name 🔺	Description	Address Ranges				
Intrusion Prevention System	External	Built-in network o	. 🖾 IP addresses .			Netv	vorks Tasks
Kenitiče Access Policy (VPN) Networking System Logs & Reports Update Center	👍 Internal	Network represe	10.80.16.0) in the second	reate a New Network
	👍 Local Host	Built-in network o	. 📖 No IP address			E	dit Selected Network
	👍 Quarantin	Built-in dynamic n	. 🖾 No IP address			c	onfigure Forefront TMG
Troubleshooting	VPN Client	s Built-in dynamic n	. 📖 No IP address			c	lient Settings
	Netwo	rk Load Balancing V	Vizard		×	Rela	ted Tasks
	Se	lect Load Balanced Specify the networks	J Networks which will be load b	alanced.			isable Network Load alancing Integration
							onfigure Load Balanced etworks
	Er	nable Network Load Ba	lancing for these ne	tworks:) 🔁 Li	nk to VPN Configuration Page
	N	lame		Virtual IP		U	pecify Dial-up Preferences
		External	212.212.10.222			reate a Network Rule	
	L 16	🖌 🛶 Internal	internal	10.80.16.222			onfigure ICD Redundancy
							onigure tor Redundancy
					() E	xport Existing Networks	
	Cl	ick Configure NLB Sett etwork.	ings to define the vi	rtual IP address and mask for the	selected	() I	mport Networks
		Load balancing s not directly conr	should not be applied nected to External n	Configure NLB : to the array's External network etwork.	Settings		
				(Park Nort)			
				< back ivext >	Cancel		

In den NIC Settings auch

Adva	nced TCP/IP Sett	tings			? ×
IP S	ettings DNS V				
□	P addresses				
	IP address		Subnet mask		1
	10.80.16.81		255.255.252.0 255.255.252.0		
		Add	Edit	Remove	
	Default gateways:				
	Gateway		Metric		
		Add	Edit,	Remove	
-	Automatic metric	:			
	Interface metric;				
_			ОК	Car	ncel

Advanced TCP/IP Set	tings			? ×
IP Settings DNS V				
IP addresses				
IP address		Subnet mask]
212.212.10.6		255.255.255.0		
212.212.10.222		255.255.255.0		
,	Add	Edit	Remove	
Default gateways:				
Gateway		Metric		
212.212.10.240		Automatic		
	Add	Edit	Remove	
Automatic metric	:			
Interface metric:				
		ОК	Can	cel

Fertig

Jetzt noch die Anpassungen im DNS vornehmen und Happy NLBing ©