

Roger Zander

CONSULTANT/ MVP Syliance IT Services GmbH roger@zander.ch / roger.zander@syliance.com

Security Considerations...





Agenda

- IIS Settings
 - RequestFilterung
 - Monitoring
- CM12 Site Settings
 - HTTPS, X.509 Authentication
 - CRL
 - Trusted Root Key
- Network Access Acccount

IIS Vulnerabilities

http://www.cvedetails.com/product/3436/Microsoft-IIS.html?vendor_id=26

Year	# of Vulnerabilities	DoS	Code Execution	Overflow	Memory Corruption	Sql Injection	XSS	Directory Traversal	Http Response Splitting	Bypass something	Gain Information	Gain Privileges	CSRF	File Inclusion	# of exploits
<u>2008</u>	4	1	1	1								1			
<u>2009</u>	7	1	1	1	1					<u>3</u>					<u>2</u>
<u>2010</u>	6	2	3	3	1		1			1	1				1
<u>2012</u>	1										1				
<u>2013</u>	1														
<u>2014</u>	1														
Total	20	4	5	<u>5</u>	2		1			4	2	1			<u>3</u>
% Of All		20.0	25.0	25.0	10.0	0.0	5.0	0.0	0.0	20.0	10.0	5.0	0.0	0.0	

IIS Request Filtering

F 2 10 11 1			General
File View Help	[
Connections	A Denvie		Allow unlisted file name extensions
🍭 - 📊 🖄 😪	🔮 кеque	st Filtering	Allow unlisted verbs
Start Page	Use this feature to o	configure filtering rules.	Allow high-bit characters
Application Pools	🕒 File Name Exte	ensions 🎜 Rules 🚥 Hidden Segments 🖼 URL 🧳 HTTP Verbs 🍓 Headers 🙆 Query Strings	Allow <u>d</u> ouble escaping
A Sites	The Day Trans		
Default Web Site	File Extension	Allowed	Request Limits
▶ aspnet_client	.asa	False	Maximum allowed content length (Bytes):
	.asax	False	3000000
	.ascx	raise	Maximum LIDL Janath (Putan)
	master	False	Maximum <u>O</u> RL lengui (bytes):
	.skin	raise	4096
	.browser	False	Maximum guery string (Bytes):
	sitemap	False	2048
	.comig	False	
	,CS	False	
	.csproj	False	
	.vo	False	
	.voproj	False	OK Cancel
	liev	False	
	.IICX	False	
	recourses	False	
	mdb	False	
	vicoroi	Ealca	
	iava	False	
	java	Falce	
	Jah	Falce	
	dsdam	Falce	
	ssdam	Falce	
	Isad	False	

? ×

Edit Request Filtering Settings

http://www.iis.net/configreference/system.webserver/security/requestfiltering

IIS Request Filtering and CM12

- By default, IIS blocks several file name extensions and folder locations from access by HTTP or HTTPS communication. If your package source files contain extensions that are blocked in IIS, you must configure the requestFiltering section in the applicationHost.config file on distribution point computers.
- The following file name extensions are used by Configuration Manager for packages and applications. Allow the following file name extensions on distribution points:
 - .PCK
 - .PKG
 - .STA
 - .TAR
- For example, you might have source files for a software deployment that include a folder named **bin**, or that contain a file with the . **mdb** file name extension. By default, IIS request filtering blocks access to these elements. When you use the default IIS configuration on a distribution point, clients that use BITS fail to download this software deployment from the distribution point. In this scenario, the clients indicate that they are waiting for content. To enable the clients to download this content by using BITS, on each applicable distribution point, edit the **requestFiltering** section of the applicationHost.config file to allow access to the files and folders in the software deployment.

http://technet.microsoft.com/en-us/library/gg712264.aspx#BKMK_RequestFiltering

Default Filter Rules from ASP.NET Feature

Application Catalog web service	💥 🔦 .NET3.5 SP1	🔦 🔦 .NET4 (Full)	💥 🔦 Feature: NET 3.5 HTTP Activation	💥 🔦 Feature: NET 3.5 Non-HTTP Activation	🗶 🔦 Feature: NET Framework 3.5 SP1 installed	🔦 🔦 Feature: ASP.NET 4.5 (Server2012)	🔦 🔦 Feature: ASP. Net installed	🔦 < NET 4 ASPNET ISAPI registered	🗙 💥 Feature: BITS Server Extensions	🔨 🔨 Feature: IIS 6 Metabase Compatibility installed	💥 💥 Feature: IIS 6 WMI Compatibility installed	💥 💥 Feature: ISAPI Extension installed	🔨 🔨 Feature: Remote Differential Compression installed	🔨 💢 Feature Web-Stat-Compression installed	🔦 💥 Feature: Windows Authentication installed	
Distribution Point	X	X	X	X	X	×	×	×	X	1		<u>_</u>	<u> </u>	X	<u>_</u>	
Enrollment point	\checkmark		√		4	\checkmark	√	\checkmark	X	×	×	×	1	×	×	
Enrollment proxy point	1	1	1	1	1		1	1	×	×	×	×	1	×	×	
Fallback Status Point	×	×	×	×	×	×	×	×	X		×	×	1	×	×	
Management Point			X	X	1	×	×	X	1			V	1	×	1	
Software Update Point	1		×	×	×		1	×	×	1	1	×	1	×	1	
			••	••								••		••		

How to monitor IIS Settings... -> DCM !

📀 🐣 Overview	Search							
👗 Users	lcon	Name	R	IIS Configuration f	or CM12 (DD) Dr	operties		
n Devices		IIS Configuration for CM12 (General)				operties		
Source Collections		IIS Configuration for CM12 (FSP) IIS Configuration for CM12 (MP) IIS Configuration for CM12 (SUP)	0	General Settings Compliance Rules Detection Meth Use settings to represent business or technical condition settings are associated with this configuration item.	ods Supported Platfo	rms Relationships Se ance on client devices. T	curity The following	
Oser State Migration Software Metering	** 1	IIS Configuration for CM12 (PXE) IIS Configuration for CM12 (Application Catalog website)		Filter	0 m T		<u></u>	
Compliance Settings		IIS Configuration for CM12 (Application Catalog web service) IIS Configuration for CM12 (DP)		Name Feature: BranchCache for network files Feature: IIS 6 Metabase Compatibility installed	Script Script	No No	No No	
Firefox		IIS Configuration for CM12 (Enrollment proxy point) IIS Configuration for CM12 (Enrollment point)		Feature: IIS 6 WMI Compatibility installed Feature: ISAPI Extension installed Feature: Remote Differential Compression installed	Script Script Script	No No No	No No No	
SNMP				Feature: Windows Authentication installed IIS 'Default Web Site' Allow Double Escaping IIS 'Default Web Site' Allow High BitCharacters	Script Script Script	No No No	No No No	
WinRM				IIS 'Default Web Site' RequestFilter HiddenSegmen IIS 'Default Web Site' RequestFilter HiddenSegmen IIS 'Default Web Site' RequestFilter Verbs defined	Script Script	No No No	No No	
				IIS Request Filter Hielextensions defined IIS Request Filter Hidden Segments defined IIS Request Filter Verbs defined	Script Script Script	No No No	No No No	

http://myitforum.com/cs2/blogs/rzander/archive/2013/05/13/monitoring-cm12-prerequisites-and-iis-configurations.aspx

Other IIS Settings...

• Log Files -> Cleanup !

```
if(([System.Environment]::OSVersion.Version.Major -eq 6) -and
([System.Environment]::OSVersion.Version.Minor -ge 1)) { Import-
Module WebAdministration } else { Add-PSSnapin WebAdministration };
```

```
$LogPath = [System.Environment]::ExpandEnvironmentVariables((Get-
WebConfigurationProperty
"/system.applicationHost/sites/siteDefaults" -Location "Default Web
Site" -name logfile.directory).Value);
(Get-ChildItem $LogPath)* log =Recurse | Where-Object {
```

```
(Get-ChildItem $LogPath\*.log -Recurse | Where-Object {
$ .LastWriteTime -lt (get-date).AddDays(-30)}) | % ($_) {remove-
item $_.fullname}
```

- MaxRequestBytes = Determines the upper limit for the total size of the Request line and the headers.
- MaxFieldLength = Sets an upper limit for each header. See MaxRequestBytes. This limit translates to approximately 32k characters for a URL.

http://support2.microsoft.com/kb/820129/en-us

IIS Port

Pro:

• A Port != 80/443 may help to identify CM12 Traffic (QoS)

Cons:

- You have to specify HTTPPort on CCMSETUP and Agent Push
- Monitor Port Settings (GPO, DCM, ..) (Get-ItemProperty ("HKLM:\SOFTWARE\Microsoft\CCM")).\$("HttpPort")

When possible keep Port 80/443 as an active Port for fallback scenarios

	Managaru	see to communicate with clients in this site	is secondly
specity the poils that Conliguration	Mariager u	ses to communicate with clients in this site.	
Clients may not be able to com	municate w	ith site systems if an alternate port is not defined	for client
request services.			
Active ports:			
Service	Port	Description	
Client Requests-HTTP (TCP)	80	(default) Client Requests-HTTP (TCP)	
Client Requests-HTTPS (TCP)	443	(default) Client Requests-HTTPS (TCP)	
Client Notification (TCP)	10123	Notifies clients of configuration changes t	
✓ Wake On LAN (UDP)	9	Wake-up packets	
Client Requests-HTTP (TCP)		Client Requests-HTTP (TCP)	
Client Requests-HTTPS (TCP)		Client Requests-HTTPS (TCP)	

HTTPS in CM12 => x.509 Authentication

Distribution point Properties	×		Management point Properties
General PXE Multicast Group Relationships Content Content Validation Boundary Groups		General	Management Point Database
A distribution point contains source files for clients to download.		A mana <u>c</u>	ement point provides policy and content location information to clients. It also receives configuration data from clients.
Description:		Client co	nnections:
Specify how client computers communicate with this distribution point.		. Өн	TTP
● HTTP		Т	his option does not support mobile devices, Mac computers, or connections over the Internet
Does not support mobile devices or Mac computers.		Он	TTPS
HTTPS Requires computers to have a valid PKI client certificate: Allow intranet-only connections		Т	his option requires client computers to have a valid PKI certificate for client authentication
If you manage Mac computers or have mobile devices that are enrolled by Configuration Manager, select an option that		/	Now intranet-only connections
allows Internet client connections.			Allow mobile devices and Mac computers to use this management point
✓ Allow clients to connect anonymously		-	
Create a self-signed certificate or import a PKI client certificate. O Create self-signed certificate Update Boot Images !		al	o manage Mac computers and mobile devices that are enrolled by Configuration Manager, you must select an option that lows Internet client connections.
Set expiration date: 11.04.2113 🗐 🔻 09:03		Gen	erate alert when the management point is not healthy
O Import certificate			
Certificate: Browse			
Password:			
Enable this distribution point for prestaged content			
Use the application or package properties to choose how content is copied to this distribution point.			
			OK Cancel Ap
OK Cancel Apply			

Encryption over HTTP:

 When you use PKI certificates for all client communications, you do not have to plan for signing and encryption to help secure client data communication. However, if you configure any site systems that run IIS to allow HTTP client connections, you must decide how to help secure the client communication for the site.
 General
 Wake On LAN
 Ports
 Sender
 Publishing
 Client Computer Communication
 Alerts
 Security

 Signing and Encryption
 En

Configure the signing and encryption requirements for client computers when they communicate with this site.

Clients always sign their client identification when they communicate with the Application Catalog website points.

Require signing

This option requires that when clients send data to management points, it is signed.

Require SHA-256

When clients sign data and communicate with site systems by using HTTP, this option requires the clients to use SHA-256 to sign the data. Clients must support the SHA-256 hash algorithm to use this option. This option applies to clients that do not use PKI certificates.

Use encryption

This option uses 3DES to encrypt the client inventory data and state messages that are sent to the management points.

Default Cryptographic Controls

- Policy
 - Client policy assignments are signed by the self-signed site server signing certificate
 - Policy is encrypted by using 3DES when it contains sensitive data
 - When policy is stored on the clients, it is encrypted by using Data Protection application programming interface (DPAPI).
- Policy Hashing
 - The hashing algorithm for policy is SHA-1 and SHA-256.
- Content hashing
 - The distribution manager service on the site server hashes the content files for all packages.
 - The default hashing algorithm for content is SHA-256. (some exceptions: App-V streaming, iOS, WindowsRT, Windows Phone, Android)
- Inventory
 - Inventory that clients send to management points is always signed by devices, regardless of whether they
 communicate with management points over HTTP or HTTPS. If they use HTTP, you can choose to encrypt this
 data, which is a security best practice.
- SW Updates
 - All software updates must be signed by a trusted publisher to protect against tampering.
- <u>https://technet.microsoft.com/en-us/library/hh427327.aspx</u>

HTTPS on the Site

- Switch to HTTPS only, when all Site Roles (DP, MP etc.) are using HTTPS.
 -> X.509 will be enforced
- All Agents must have a valid Client certificate.
 -> How do you handle DMZ and Workgroup machines ?

aning and Engention				
eneral Wake On LAN Ports	Sender Publis	shing Client Computer Co	ommunication	Alerts Security
				·
Site system settings				
Select the client computer com HTTPS, the servers must have	munication method a valid PKI web se	I (HTTP or HTTPS) for the erver certificate (server aut	e site systems t thentication ca	hat use IIS. To use apability).
		,		
⊖ HTTr3 only				
HTTPS or HTTP				
Client computer settings				
Specify settings for client come	uters when they es	mmunicate with eite oute	me that use IIG	
Specify settings for client comp	uters when they cu	ommunicate with site syste	ins that use ha	
Use PKI client certificate (c	lient authentication	r canability) when availabl	e	
Use PKI client certificate (c	lient authentication	n capability) when availabl	e	
Use PKI client certificate (c Client certificate selection:	lient authenticatior	n capability) when availabl	e	
Use PKI client certificate (c Client certificate selection: Location:	lient authenticatior	n capability) when availabl	e	Modify
Use PKI client certificate (c Client certificate selection: Location: Criteria:	lient authentication	n capability) when availabl	e	Modify
 Use PKI client certificate (c Client certificate selection: Location: Criteria: Multiple Certificates: 	lient authentication Client auther Select any c	n capability) when availabl ntication capability ertificate that matches	e	Modify
 Use PKI client certificate (c Client certificate selection: Location: Criteria: Multiple Certificates: 	lient authentication Client auther Select any c	n capability) when availabl ntication capability ertificate that matches	e	Modify
 Use PKI client certificate (c Client certificate selection: Location: Criteria: Multiple Certificates: Clients check the certificate 	lient authentication Client auther Select any c e revocation list (Cl	n capability) when availabl ntication capability ertificate that matches RL) for site systems	e	Modify
 Use PKI client certificate (c Client certificate selection: Location: Criteria: Multiple Certificates: Clients check the certificate 	lient authentication Client auther Select any c e revocation list (Cl	n capability) when available ntication capability ertificate that matches RL) for site systems	e	Modify
Use PKI client certificate (c Client certificate selection: Location: Criteria: Multiple Certificates: Clients check the certificate Trusted Root Certification Auth	lient authentication Client auther Select any c e revocation list (Cl orities	n capability) when available ntication capability ertificate that matches RL) for site systems	e	Modify
Use PKI client certificate (c Client certificate selection: Location: Criteria: Multiple Certificates: Clients check the certificate Trusted Root Certification Auth	lient authentication Client auther Select any c e revocation list (Cf orities	n capability) when available ntication capability ertificate that matches RL) for site systems	e	Modify
Use PKI client certificate (c Client certificate selection: Location: Criteria: Multiple Certificates: Clients check the certificate Trusted Root Certification Auth None specified	lient authentication Client auther Select any c e revocation list (Cl orities	n capability) when available ntication capability ertificate that matches RL) for site systems	e	Modify
Use PKI client certificate (c Client certificate selection: Location: Criteria: Multiple Certificates: Clients check the certificate Trusted Root Certification Auth None specified	lient authentication Client auther Select any c e revocation list (Cf orities	n capability) when available ntication capability ertificate that matches RL) for site systems	e	Modify

Syliance Root Properties

Client Certificate selection

 If your IIS site systems will use PKI client certificates for client authentication over HTTP or for client authentication and encryption over HTTPS, plan for how Windows-based clients will select the certificate to use for Configuration Manager.

-> x.509 Authentication with HTTP is Possible !

- Not all devices support a certificate selection method and instead, automatically select the first certificate that fulfills the certificate requirements. For example, clients on Mac computers, and mobile devices do not support a certificate selection method.
- In most cases, the Configuration Manager client correctly identifies a unique and appropriate PKI certificate to use.
 - -> "if not, then configure !"

https://technet.microsoft.com/en-us/library/gg712284.aspx



Certificate Revocation

- Because the location of the CRL is added to a certificate when it is issued by a CA, ensure that you plan for the CRL before you deploy any PKI certificates that Configuration Manager will use.
- Consult your PKI administrators before you decide whether Configuration Manager clients must check the CRL, and then consider keeping this option enabled in Configuration Manager when both of the following conditions are true:
 - Your PKI infrastructure supports a CRL, and it is published where all Configuration Manager clients can locate it. Remember that this might include clients on the Internet if you are using Internet-based client management, and clients in untrusted forests.
 - The requirement to check the CRL for each connection to a site system configured to use a PKI certificate is larger than the requirement for faster connections and efficient processing on the client, and is also larger than the risk of clients failing to connect to servers if they cannot locate the CRL.



https://technet.microsoft.com/en-us/library/gg712284.aspx

Trusted Root Certificate Authorities

 When you issue client PKI certificates from the same CA hierarchy that issues the server certificates that you use for management points, you do not have to specify this root CA certificate. However, if you use multiple CA hierarchies and you are not sure whether they trust each other, import the root CA for the clients' CA hierarchy.

Syliance Root Properties	x
Contract Francisco	
Signing and Encryption General Wake On LAN Ports Sender Publishing Client Computer Communication Alerts	Security
	Secondy
Site system settings	
Select the client computer communication method (HTTP or HTTPS) for the site systems that use IIS HTTPS, the servers must have a valid PKI web server certificate (server authentication capability).	S. To use
○ HTTPS only	
HTTPS or HTTP	
Client computer settings	
Specify settings for client computers when they communicate with site systems that use IIS.	
Use PKI client certificate (client authentication capability) when available	
Use PKI client certificate (client authentication capability) when available Client certificate selection:	
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Mo	dífy
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability	dífy
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches	dify
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches	díy
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches Clients check the certificate revocation list (CRL) for site systems	díy
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches Clients check the certificate revocation list (CRL) for site systems	díy
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches Clients check the certificate revocation list (CRL) for site systems Trusted Root Certification Authonties	díy
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches Clients check the certificate revocation list (CRL) for site systems Trusted Root Certification Authorities	díy
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches Clients check the certificate revocation list (CRL) for site systems Trusted Root Certification Authorities None specified Selection	dify
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Mo Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches Clients check the certificate revocation list (CRL) for site systems Trusted Root Certification Authorities None specified Select and Select a	dify
Use PKI client certificate (client authentication capability) when available Client certificate selection: Location: Criteria: Client authentication capability Multiple Certificates: Select any certificate that matches Clients check the certificate revocation list (CRL) for site systems Trusted Root Certification Authorities None specified Select and certificate	dify

Trusted Root Key

Every site server generates a site exchange key to communicate with other sites. The site exchange key from the top-level site in the hierarchy is called the trusted root key.

- Clients use WMI to store a copy of the trusted root key in the namespace root\ccm\locationservices. (Get-WmiObject -Class TrustedRootKey -Namespace root\ccm\locationservices)
- Clients can automatically retrieve the public copy of the trusted root key by using two mechanisms:
 - The Active Directory schema is extended for Configuration Manager, the site is published to Active Directory Domain Services, and clients can retrieve this site information from a global catalog server.
 - Clients are installed by using client push.

If clients cannot retrieve the trusted root key by using one of these mechanisms, they trust the trusted root key that is provided by the first management point that they communicate with. A client might be misdirected to an attacker's management point ... to reduce this risk ... you can pre-provision the clients by using the trusted root key.

- You can remove the trusted root key from a client by using the Client.msi property **RESETKEYINFORMATION = TRUE** with CCMSetup.exe. -> During Task_Sequence
- To replace the trusted root key, reinstall the client together with the new trusted root key, for example, by using client push, or by specifying the Client.msi SMSPublicRootKey property by using CCMSetup.exe.

https://technet.microsoft.com/en-us/library/gg712284.aspx

Anonymous Authentication

- If anonymous Authentication on DP is enabled; Network-Access-Account (NAA) is not required anymore to access the DP.

х

* * 的 4

Software Distribution Component Properties

OK

Cancel

Apply

L		General Network Acces	ss Account
If you manage Mac computers or hav allows Internet client connections.	e mobile devices that are enrolled t	Specify an account tha workgroup computers of	t accesses network locations when the site contains clients that ar or that are from an untrusted domain.
Allow clients to connect anonymously	,	Network Access Acc The Network Access network locations du	count s Account is used by Configuration Manager clients to access ring content deployment or during operating system deployment.
Create a self-signed certificate or import a P	KI client certificate.	 Use the compute 	ar account of the Configuration Manager client
Create self-signed certificate		 Specify the accord 	unt that accesses network locations
			- C言 × *
Set expiration date:	11.04.2113	Name	
			There are no items to show in this view.
Import certificate			

NAA is evil...

- Every Machine with an approved CM12 Agent will get Username and Password for the NAA
- Username and Password are not in clear text but can be «decoded» with a few lines of PowerShell (local Admin rights required).
 - NAA should be a user without any additional rights
 - Block NAA from interactive Logon
 - **NEVER** use an administrative Account

GENIIS	- 2
	CCM NetworkAccessAccount
	: CCM ComponentClientConfig
DYNASTY	: CCM Policy
RELPATH	: CCM NetworkAccessAccount.SiteSettingsKev=1
PROPERTY COUNT	: 8
DERIVATION	: {CCM_ComponentClientConfig, CCM_Policy}
SERVER	: ROZAT
NAMESPACE	: ROOT\ccm\policy\Machine\ActualConfig
PATH :	: \\ROZA1\ROOT\ccm\policy\Machine\ActualConfig:CCM_NetworkAccessAccount.SiteSettingsKey=1
ComponentName	
Enabled	:
NetworkAccessPassword	: <policysecret_version="1"><![CDATA[060100000100000008C9DDF0115D1118C7A00C04FC297EB010000</th></policysecret_version="1">
	23BE4CE94444AC14A9099D614A0C00000000000000000000000000000000000
	888BC9B36EDD06A772A9378796168FA193F2D074500000000E800000002000020000009BB05145B5B35EF1
	A8EED126F8DA3ECA63E1A2305C8EA2AA9E105113D430000000BF4D21CBCF0E05F6797D59B3F49D7FB94DBE87
	79DF767C237D63A1DD25FE5277C61F8E2EDCCC4C28BC74E23BE4DDD0DDDA343C5327B9C6B4CF7F8DD5BC38DAC
	9ECC525534BUF556UC6U2UA7U4F83E51UE796U49A1647C8C29U149E436F6996UB324B7FU5E8298U8U49BAF8UF
NetworkAccessUsername	: <pre><pre>ColleySecret Version="1"><!-- [CDAIH[16010000000000000000000000000000000000</th--></pre></pre>
	81780755554FDC54H7D221673D7DB873H27314DD314DD0DDDD5HD347517D331867BD2FD836UF657DB2F44611 04600FFA0FFA0FFA096FD7FFA076FD30FFA070F7A070473473D07500FA07057A07047A04977A0477F673A444444
	01602EEH7EE1024EU534H07E7/7F3UF4304F032307U170U030347704703E007E0H40H22447373367H4UUUUU 4900909050500744390000FF7008409FF7405479730904F7F747/47774777477407067677506474F740565
	1200206204664401130600F0001023E010124002470002661343E0200700066402E600FF334641413E1044323
Pecenned1	· · · · · · · · · · · · · · · · · · ·
Recerved?	
Reserved3	
SiteSettingsKen	1
orcooccerngsney	

With NAA, restrict Auto appoval...

-		Site Settings Properties	x
	General	Client Approval and Conflicting Records Automatic Client Upgrade	_
		Configure the settings for all sites in the hierarchy.	
	Client Speci trust t	approval method ify the approval method for client computers that do not use PKI certificates. Use approval to confirm that you hese computers.	
	• / • 1	Automatically approve computers in trusted domains (recommended) Manually approve each computer	
	01	Automatically approve all computers (not recommended)	
	Confli If Cor confli settin	cting client records figuration Manager detects duplicate hardware IDs, you can allow Configuration Manager to resolve the ct or you can manually resolve the conflict in the Conflicting Records node of the Monitoring workspace. This g applies to client computers in workgroups or untrusted domains that do not use PKI certificates.	
	• / 0	Automatically resolve conflicting records Manually resolve conflicting records	
		OK Cancel Apply	

NAA vs. Anonymus Authentication

- Set DP to allow anonymous Authentication
- Remove NAA
- Auto approve all computers
- Windows Installer Source Update can always Access the sources vs.
- Authenticated access to DP
- Risk of NAA PW on every machine
- Restrict Agent approval
- Windows Installer Source Update on Workgroup or untrusted machines are unable to access the sources.

Danke



Herzlichen Dank <u>roger@zander.ch</u> / <u>roger.zander@syliance.com</u> <u>http://myitforum.com/cs2/blogs/rzander</u>

Bewertung der Session: Configmgr.ch

- Xing: <u>https://www.xing.com/net/cmce</u>
- Facebook: <u>https://www.facebook.com/groups/411231535670608/</u>
- Linkedin: <u>http://www.linkedin.com</u>
- Twitter: <u>https://twitter.com/configmgr_ch</u>

Nächster Event: Freitag 19. Juni Digicomp Bern