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# 1) <u>Szenario</u>

## **Beschreibung**

In der Firma Adatum soll ein AD-RMS installiert werden, damit die Mitarbeiter ihre Dokumente mit Office 2010 benutzerdefiniert intern schützen können.

Zusätzlich soll ein AD-RMS-Vertrauen zur Gesamtstruktur der Firma Treyresearch hergestellt werden, damit deren Benutzer Dokumente aus Adatum verwenden können.

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## Netzwerkplan:



# 2) Vorbereitungen im Active Directory und DNS

## Vorbereitung im Active Directory

- Baue neue Organisationseinheit (zur Übersichtlichkeit)
- Baue f
  ür den Service des RMS-Servers einen neuen AD-Benutzer adatum\service-rms. Dies muss ein normaler Dom
  änenbenutzer ohne besondere Rechte sein.
- Baue 2 neue AD-Gruppen mit konfigurierter Mailadresse:



## Konfiguration im DNS

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• Erstelle einen Host-A-Record auf den neuen AD-RMS-Server:

DNS	Name	Туре	Data	Timestamp
LON-DC1	📑 _msdcs			
🔈 🛐 Global Logs	🚞 _sites			
🔺 🚞 Forward Lookup Zones	🚞 _tcp			
Image: Second State S	🚞 _udp			
⊿ 🛐 Adatum.com	📄 DomainDnsZones			
▷ I _msdcs	🧮 ForestDnsZones			
i	📒 (same as parent folder)	Start of Authority (SOA)	[60], Ion-dc1.adatum.com	static
▶ <u> </u>	📒 (same as parent folder)	Name Server (NS)	lon-dc1.adatum.com.	static
⊳ <u> </u>	🗐 (same as parent folder)	Host (A)	172.16.0.10	9/24/2013 9:00:00 AM
ForestDisZones	EON-CL1	Host (A)	172.16.0.50	9/15/2012 6:00:00 AM
Beverse Lookun Zones	LON-CL2	Host (A)	172.16.0.51	9/15/2012 6:00:00 AM
<ul> <li>Trust Points</li> <li>Conditional Forwarders</li> </ul>	🔲 lon-dc1	Host (A)	172.16.0.10	static
	EON-Host1	Host (A)	172.16.0.30	9/15/2012 5:00:00 AM
	EON-SVR1	Host (A)	172.16.0.21	9/13/2012 7:00:00 PM
	EON-SVR2	Host (A)	172.16.0.22	9/14/2012 7:00:00 AM
	LON-SVR3	Host (A)	172.16.0.23	9/14/2012 7:00:00 AM
	LON-SVR4	Host (A)	172.16.0.24	9/14/2012 7:00:00 AM
	TOR-DC1	Host (A)	172.16.0.25	9/26/2012 1:00:00 PM
	adrms	Host (A)	172.16.0.21	
	1			

# 3) Installation und Konfiguration des AD RMS

#### Installation der Rolle

• Installiere über dem Servermanager von LON-DC1 auf LON-SVR1 die Rolle AD-RMS:

elect server rol	es	DESTINATION SERVER LON-SVR1.Adatum.com
Before You Begin nstallation Type Server Selection	Select one or more roles to install on the selected server. Roles Active Directory Certificate Services	Add Roles and Features Wizard           Add features that are required for Active Directory
Features Features Confirmation Results	Active Directory Domain Services     Active Directory Federation Services     Active Directory Lightweight Directory Services     Active Directory Rights Management Services     Active Directory Rights Management Services     DECP Server (Installed)	Kights Management Services?         You cannot install Active Directory Rights Management Services unless the following role services or features are also installed.         Image: A services of the serv
	DNS Server     Fax Server     Fax Server     ✓ File And Storage Services (Installed)     Hyper-V     Network Policy and Access Services     Print and Document Services	H I P Activation     Remote Server Administration Tools     Role Administration Tools     (Tools) Active Directory Rights Management Services     Web Server (IIS)     Web Server
	Remote Access     Remote Desktop Services	✓ III Include management tools (if applicable)



## Konfiguration der Rolle

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• Wähle im Servermanager den Konfigurationsassistenten aus:

lager 🕨 /	All Servers		_		• @   🍢	Ma
SERVERS All servers   2 total				4	Post-deployment Configuration	Γ
Filter	ز	• (≣) ▼ (ℝ) ▼			Configuration required for Active Directory Rights Management Services at LON-SVR1 Perform additional configuration.	
Server Name	IPv4 Address	Manageability	Last Update		Task Details	
LON-DC1	172.16.0.10	Online - Performance counters not started	9/24/2013 9:49:2			
LON-SVR1	131.107.0.21,172.16.0.21	Online - Performance counters not started	9/24/2013 9:49:19	AM	Not activated	

• Anmeldedaten angeben:

	TARGET SERVE
ad RMS	LON-SVR1.Adatum.cor
AD RMS	Active Directory Rights Management Services
AD RMS Cluster	
Configuration Database	Active Directory Rights Management Services (AD RMS) is an information protection technology
Service Account	unauthorized use. With AD RMS, content owners can take steps to define who can open, modify
Cluster Key Storage	print, forward, or take other actions with the information they choose to protect. Organizations
Cluster Key Password	customer data to help ensure their confidentiality.
Cluster Web Site	Specify the credentials for configuring AD RMS. The account that you specify must be a domain
Cluster Address	user who is a member of the local Administrators group on the server where you are installing,
Server Certificate	hosts the configuration database for the cluster.
	-
	Credentials:
	ADATUM\administrator Specify
	More about deploying AD RMS
	more about deproying AD himo

#### Erstelle neuen AD-RMS-Cluster:

٠

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<b>a</b>	AD RMS Configuration: LON-SVR1.Adatum.com
AD RMS Cluster	TARGET SERVER LON-SVR1.Adatum.com
AD RMS	Create or Join an AD RMS Cluster
AD RMS Cluster	
Configuration Database	AD RMS supports two types of clusters: a root cluster for certification and licensing and a
Service Account	licensing-only cluster. To deploy AD RMS, you must first set up a root cluster in the forest. You can then set up one or more licensing-only clusters in the same forest, depending on your needs.
Cryptographic Mode	
Cluster Key Storage	Oreate a new AD RMS root cluster
Cluster Key Password	○ Join an existing AD RMS cluster
Cluster Web Site	
Cluster Address	
Server Certificate	
Licensor Certificate	
SCP Registration	
Confirmation	
Progress	
Results	More about AD RMS clusters
	< Previous Next > Install Cancel

• Erstelle neue Windows-Internal-Database (besser wäre für die Verfügbarkeit und auch für die Skalierbarkeit der RMS-Server eine SQL-Instanz. Diese sollte auch selbst verfügbar sein (SQL-Cluster/AlwaysOn):

Ē.	AD RMS Configuration: LON-SVR1.Adatum.com
Configuration Dat	TARGET SERVER LON-SVR1.Adatum.com
AD RMS	Select Configuration Database Server
AD RMS Cluster	
Configuration Database	Your AD RMS cluster uses a database to store configuration and policy information. The database
Service Account	can be nosted either by Windows Internal Database or on a separate SQL database server (recommended). If you choose Windows Internal Database, you cannot add more AD RMS
Cryptographic Mode	servers to this cluster. You can specify the SQL database server by selecting it from a list, or you
Cluster Key Storage	can type its name or CNAME alias (recommended).
Cluster Key Password	<ul> <li>Specify a database server and a database instance.</li> </ul>
Cluster Web Site	Server:
Cluster Address	Select
Server Certificate	Database Instance:
Licensor Certificate	▼ List
SCP Registration	lice Windows Internal Database on this server
	More about the AD RMS configuration database
	< Previous Next > Install Cancel

• Übergib den Service-Benutzer (Standard-AD-Benutzer ohne zusätzliche Rechte!):

à	AD RMS Configuration: LON-SVR1.Adatum.com
Service Account	TARGET SERVER LON-SVR1.Adatum.com
AD RMS	Specify Service Account
AD RMS Cluster	
Configuration Database	The AD RMS cluster requires a domain user account so that it can communicate with other
Service Account	permissions.
Cryptographic Mode	
Cluster Key Storage	Domain User Account:
Cluster Key Password	ADATUM\service-adrms Specify
Cluster Web Site	
Cluster Address	
Server Certificate	
Licensor Certificate	
SCP Registration	
Confirmation	
Progress	
Results	More shout the AD RMS service account
	more about the Ab 1993 Service account
	< Previous Next > Install Cancel

• Wähle den Kryprografiemodus aus:

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Cryptographic Mo	ode ton-sve	ARGET SERVE
AD RMS	Specify Cryptographic Mode	
AD RMS Cluster		
Configuration Database	AD RMS can operate under two modes which differ on the basis of the cryptograp and the strength of signature bashes. Countographic mode 2 is recommended for	hic key length
Service Account	deployments where you have ensured that all AD RMS client computers have been	n updated to
Cryptographic Mode	support it. As cryptographic mode 2 cannot be undone, if you are unsure of full support within	
Cluster Key Storage	select cryptographic mode 1 instead.	aonanip with,
Cluster Key Password		
	Cryptographic Mode 2 (RSA 2048-bit keys/SHA-256 bashes)	
Cluster Address		
Server Certificate	<ul> <li>Cryptographic Mode 1 (RSA 1024-bit keys/SHA-1 hashes)</li> </ul>	
Licensor Certificate		
SCP Registration		
Progress		
	Manager and the AD DMC and a second in second	
	More about the AD KMS cryptographic mode	

• Wähle Schlüsselspeicherlayout:

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<b>a</b>	AD RMS Configuration: LON-SVR1.Adatum.com
Cluster Key Storag	Je TARGET SERVER LON-SVR1.Adatum.com
AD RMS AD RMS Cluster Configuration Database Service Account Cryptographic Mode	Specify AD RMS Cluster Key Storage An AD RMS cluster uses the AD RMS cluster key to sign certificates and licenses that the cluster issues. The cluster key is required for disaster recovery and when additional AD RMS servers are joined to the cluster. You can allow AD RMS to encrypt and store the key, or you can store the key by using a cryptographic service provider (CSP). If the cluster key is stored in a CSP, you must
Cluster Key Storage Cluster Key Password Cluster Web Site	<ul> <li>Use AD RMS centrally managed key storage</li> </ul>
Cluster Address Server Certificate Licensor Certificate	<ul> <li>Use CSP key storage</li> </ul>
SCP Registration Confirmation	
Progress Results	More about cluster key storage
	< Previous Next > Install Cancel

• Angabe des symmetrischen Schlüssels, der den Schlüsselspeicher schützt:

L	AD RMS Configuration: LON-SVR1.Adatum.com
Cluster Key Passw	Ord TARGET SERVER LON-SVR1.Adatum.com
AD RMS AD RMS Cluster Configuration Database	Specify AD RMS Cluster Key Password AD RMS uses the cluster key password to encrypt the cluster key. To join other AD RMS servers to this cluster or to restore the cluster from backup, you must be able to supply this password.
Service Account Cryptographic Mode Cluster Key Storage	AD RMS does not store this password and cannot recover it if it is lost, so you should keep it in a secure place.
Cluster Key Password Cluster Web Site	Password:
Cluster Address Server Certificate	Contirm Password:
Licensor Certificate SCP Registration	
Confirmation Progress	
Kesuits	More about cluster key storage
	< Previous Next > Install Cancel

• Angabe der Cluster-Website:

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B	AD RMS Configuration: LON-SVR1.Adatum.com
Cluster Web Site	TARGET SERVER LON-SVR1.Adatum.com
AD RMS AD RMS Cluster Configuration Database Service Account Cryptographic Mode Cluster Key Storage Cluster Key Password Cluster Key Password Cluster Address Server Certificate Licensor Certificate SCP Registration Confirmation Progress	Select AD RMS Cluster Web Site AD RMS is hosted in an Internet Information Services (IIS) virtual directory, which is set up on one of the existing Web sites on this server. Select a Web site for the virtual directory: Default Web Site
Results	More about the cluster web site
	< Previous Next > Install Cancel

• Definiere den Zugriff auf die Clusterwebsite:

B	AD RMS Configuration: LON-SVR1.Adatum.com	_ <b>_</b> X
Cluster Address	T LON-SVI	ARGET SERVER
AD RMS AD RMS AD RMS Cluster Configuration Data Service Account Cryptographic Mode Cluster Key Storage Cluster Key Password Cluster Web Site Cluster Address	Specify Cluster Address A cluster address makes it possible for AD RMS clients to communicate with this of network. We recommend that you configure AD RMS to use the Secure Sockets La protocol to encrypt network traffic between AD RMS clients and this cluster. You r SSL-encrypted connection if you intend to federate this cluster. Connection Type: Use an SSL-encrypted connection (https://) Use an unencrypted connection (http://)	luster over the ayer (SSL) nust use an
Licensor Certificate SCP Registration Confirmation Progress Results	Fully-Qualified Domain Name: http:// adrms.adatum.com You cannot change this address or port number after AD RMS is installed and More about the cluster web site	Port: 80 configured.
	< Previous Next > Install	Cancel

• Definiere den Anzeigenamen des Stammzertifikates:

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<b>a</b>	AD RMS Configuration: LON-SVR1.Adatum.com
Licensor Certificat	Ce TARGET SERVER LON-SVR1.Adatum.com
AD RMS	Name the Server Licensor Certificate
AD RMS Cluster Configuration Database Service Account Cryptographic Mode Cluster Key Storage Cluster Key Password Cluster Web Site Cluster Address Licensor Certificate SCP Registration Confirmation Progress Results	AD RMS creates a server licensor certificate that establishes the identity of this AD RMS cluster to clients. Because of the significance of this certificate, we recommend that you make a backup of this certificate to safeguard your deployment and improve disaster recovery efforts in the event of hardware failure or loss of the AD RMS database server. Name: Adatum AD-RMS
	< Previous Next > Install Cancel

• Die Konfiguration des Service-Connection-Points kann vom Assistenten vorgenommen werden:

<b>a</b>	AD RMS Configuration: LON-SVR1.Adatum.com
SCP Registration	TARGET SERVER LON-SVR1.Adatum.com
AD RMS AD RMS Cluster Configuration Database Service Account Cryptographic Mode Cluster Key Storage Cluster Key Password Cluster Web Site Cluster Web Site Cluster Address Licensor Certificate SCP Registration Progress Results	<ul> <li>Register AD RMS Service Connection Point</li> <li>The AD RMS service connection point (SCP) can be registered in Active Directory Domain Services (AD DS) when an AD RMS cluster is created. The SCP provides clients with intranet URLs for the AD RMS cluster.</li> <li>To register the service connection point (SCP) now, you must be a member of the Enterprise Admins group. If you are not a member of the Enterprise Admins group, you must have a member of the Enterprise Admins group. If you are not a member of the SCP after you finish installing AD RMS. Clients cannot access this AD RMS cluster until its SCP is registered.</li> <li>Register the SCP now</li> <li>Register the SCP later</li> </ul>
	More about SCP registration
	< Previous Next > Install Cancel

• Start der Konfiguration:

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2	AD RMS Configuration	: LON-SVR1.Adatum.com	_ <b>D</b> X	
Confirmation		LON-	TARGET SERVER SVR1.Adatum.com	
AD RMS	Confirm Installation S	Selections		
AD RMS Cluster				
Configuration Database	To install the following roles, r	ole services, or features, click Install.		
Service Account	Active Directory Rights Man	agement Services		
Cryptographic Mode	Cluster Type	Boot cluster		
Cluster Key Storage	Database Server:	Windows Internal Database		
Cluster Key Password	Service Account: Cryptographic Mode:	ADATUM\service-adrms Cryptographic Mode 2 AD RMS centrally managed key storage Default Web Site http://adrms.adatum.com/		
Cluster Web Site	Cluster Key Storage:			
Cluster Address	Cluster Web Site: Cluster Internal Address: Licensor Certificate Name:			
Licensor Certificate		Adatum AD-RMS		
SCP Registration	Register SCP:	Register Now		
Confirmation				
Progress				
Results				
		< Previous Next > Insta	ll Cancel	

• Abschluss der Konfiguration:

<b>b</b>	AD RMS Configuration: LON-SVR1.Adatum.com
	TARGET SERVER
Results	LON-SVR1.Adatum.com
AD RMS	Installation Results
AD RMS Cluster	Instance in reserve
Configuration Database	The following roles, role services, or features were installed successfully:
Service Account	🔮 Active Directory Rights Management Services
Cryptographic Mode	<ul> <li>Before you can administer AD RMS on this server, you must log off and log on again.</li> </ul>
Cluster Key Storage	
Cluster Key Password	The following role services were installed:
Cluster Web Site	Active Directory Rights Management Server
Cluster Address	
Licensor Certificate	
SCP Registration	
Confirmation	
Progress	
Results	
	Troubleshooting AD RMS setup
	Characteristics

• Konfiguriere den anonymen Zugriff auf das Verzeichnis \_wmcs der Cluster-Website im IIS auf LON-SVR1:

<b>V</b> i	Internet Ir	formation Ser	rvices (IIS) Manager	_ <b>D</b> X
CON-SVR1 > Sites > Default Web Site > _wmcs >				🖸 🖄 😧
File View Help				
Connections	Authentication			Actions Disable
LON-SVR1 (ADATUM\Admini	Group by: No Grouping   Name  Anonymous Authentication	Status Enabled	Response Type	Online Help
⊿ - O Sites	ASP.NET Impersonation Basic Authentication Digest Authentication Forms Authentication Windows Authentication	Enabled Disabled Disabled Disabled Disabled Enabled	HTTP 401 Challenge HTTP 401 Challenge HTTP 302 Login/Redirect HTTP 401 Challenge	

• Abmelden und wieder als Administrator anmelden.

Konfiguration der Administratorengruppe für RMS

- Starte AD-RMS-Managementkonsole
- Ändere die Administratorenkonfiguration:



• Konfiguriere die Administratorengruppe:



## 4) Konfiguration der RMS-Vorlagen

#### Freigaben für AD-RMS

• Erstelle Freigaben auf LON-SVR1:

```
New-Item C:\RMS-Templates -ItemType Directory
New-SmbShare -Name RMS-Templates -Path C:\RMS-Templates -FullAccess adatum\service-adrms
New-Item C:\Dokumente -ItemType Directory
New-SmbShare -Name Dokumente -Path C:\Dokumente -FullAccess everyone
New-Item C:\Export -ItemType Directory
New-SmbShare -Name Export -Path C:\Export -FullAccess everyone
```

Konfiguration einer neuen Vorlage für die Benutzerrechterichtlinien

• Erstelle eine neue Vorlage in der Management-Konsole:





• Definiere neue Identifizierungsinformation:

Create Distributed Rights Policy Template				
	ptification Information		pr	ns
		Add New Template Ide	entification Information	x
<ol> <li>Add Template Identifica</li> <li>Add User Rights</li> </ol>	Rights policy templates can s Configure this template's ider supported on your client corr	Select the language that the template Description of the template to be displa	will support and then type a Name and ayed to users of that language.	i
3. Specify Expiration Policy	Template identification	Language:	Deutsch (Deutschland)	•
<ol> <li>Specify Extended Policy</li> <li>Specify Revocation Pol</li> </ol>	Language Nam	Name:	ReadOnly	
		schreibgeschützter Zugriff - Kein Druch	< oder Kopie!	]
		<u>/</u>		Copy /iew/B
	Add	Edit Remove	F	lelp
		< Previous Next >	Finish Cancel	

• Wähle die Rechte zu den Identitäten aus:

Create Distributed Rights Policy Template	x
Add User Rights	
1. Add Template Identifica Specify which users and groups have rights to work with content protected	
2. Add User Rights applications.	
3. Specify Expiration Policy Users and rights	
4. Specify Extended Policy	
5. Specify Revocation Pol	
Lemove	
Rights for executives@adatum.com;	
Full Control	
View 🔽 📃	
Edit	
Save	
Export (Save as)	
Create Custom Right Delete Custom Right	
Grant owner (author) full control right with no expiration	
Rights request URL:	
< Previous Next > Finish Ca	ncel



• Konfiguriere den Ablauf der Zugriffslizenz und den Inhaltsablauf:

	Create Distributed Rights Policy Template	?	x	
Specify Expiration Policy				
<ol> <li>Add Template Identifica</li> <li>Add User Rights</li> <li>Specify Expiration Policy</li> <li>Specify Extended Policy</li> <li>Specify Revocation Pol</li> </ol>	Specify expiration conditions for content protected using this template. If the content expires, it must be republished if the information still needs to be available. If the use license expires or is not cached, the user must connect to the AD RMS cluster to obtain a new license to open the content.			
	< Previous Next > Finish	Cance	1	

Erzwinge das Abrufen von Lizenzinformationen bei jeder Verwendung:

	Create Distributed Rights Policy Template				
Specify Extended	Specify Extended Policy				
<ol> <li>Add Template Identifica</li> <li>Add User Rights</li> <li>Specify Expiration Policy</li> <li>Specify Extended Policy</li> <li>Specify Revocation Pol</li> </ol>	Specify additional conditions for content protected using this template.         □       Enable users to view protected content using a browser add-on         ✓       Require a new use license every time content is consumed (disable client-side caching)         ✓       If you would like to specify additional information for your AD          RMS-enabled application, you can specify them here as name-value pairs <tr< th=""><th></th></tr<>				
	< Previous Next >	Finish Cancel			



• Konfiguration der Sperrliste für ungültige Zertifikate (durch die Begrenzung auf 7 Tage wird diese hier nicht benötigt):

	Create Distributed Rights Policy Template	?	x
Specify Revocation	n Policy		
<ol> <li>Add Template Identifica</li> <li>Add User Rights</li> <li>Specify Expiration Policy</li> <li>Specify Extended Policy</li> <li>Specify Revocation Pol</li> </ol>	Specify whether content protected using this template may be revoked. Revocation denies permission to open such content based on various factors (such as content ID, users, or applications). Require revocation The URL of the location where the revocation list is published: <a href="http://"> </a> Refresh interval for revocation list (days):          1       •         File containing public key corresponding to the signed revocation list:         Browse	Cance	3

• Veröffentlichung der Vorlage in der neuen Freigabe:

	Active Directory Rights Manage	ement Services
Action View Help		
) 🖄 🛛		
tive Directory Rights Manag Ion-svr1 (Local)	Distributed Rights Policy Templates	Rights Policy Templates
Trust Policies Rights Policy Template Rights Account Certific	Create, view and modify distributed rights p this cluster.	Templates File Location
Exclusion Policies	select the template and then click Archive this Rights Polic	Specify a file location for storing copies of this cluster's rights policy templates. Templates from the configuration database are mirrored to this location.
多 Super Users へ Cluster Key Passwo え Decommissioning	Templates file <b>Not set</b> location:	This location must be available to the administrator who distributes these templates to client machines and the path must be in UNC format.
📕 Reports		Current templates file location:
	ReadOnly 9/25/2013	Not set
		Specify templates file location (UNC):
	< 111	
	<u>Create distributed rights policy template</u> Manage archived rights policy templates	
	Change distributed rights policy templates file location	OK Cancel Apply Help

Konfiguration einer Ausschlussrichtlinie

• Aktivierung des Anwendungsausschlusses:



• Nehme Powerpoint aus RMS raus:

File Action View Help   Exclude Application   Add application to be excluded   Add application to be excluded Enter the application file name along with the version range to be excluded. Both the minimum and maximum versions are required and must have a four-number, peidod-delimited format, for example, '12.00.' If the application versioning scheme uses fewerer than four numbers, append a pelipica and and a zero (10 as crequired Fine example, '12.00.' If the application versioning scheme uses fewerer than four numbers, append a pelipication and a zero (10 as crequired Fine example, '12.00.' If the application dnd a zero (10 as crequired Fine example, '12.00.' If the application fine restriction a peripication for example, '12.00.' If the application and a zero (10 as crequired Fine example, '12.00.' If the application and a zero (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application application and zero (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application application are (10 as crequired Fine example, '12.00.' If the application and zero (10 as crequired Fine example, '12.00.' If the application application are (10 as crequired Fine example, '12.00.' If the application are (10 as crequired Fine example, '12.00.' If the application are (10 are	I a colspan="2" Colspa	3	Active Directory Rights Management Services	_ 🗆 X
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# 5) Implementation der Vertrauensrichtlinien

#### Exportieren der Vertrauensrichtlinie

• Exportiere die Domänen-Vertrauensrichtlinie in die Export-Freigabe:



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WS IT-Solutions

• Exportiere die vertrauenswürdige Veröffentlichungsdomäne :



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File name:	Adatum-TrustedPublishingDomain				~
Save as type:	XML File (*.xml)				~
) Hide Folders			Save	Cance	<b>ا</b>

	Export Trusted Publishing Domain
Export trusted pub	lishing domain file
Export trusted publishing d	Enable another AD RMS cluster to license content published by your AD RMS cluster by exporting a trusted publishing domain file. The trusted domain file includes the server licensor certificate and AD RMS cluster key of your AD RMS certification cluster and is password protected.  Click Save As button to specify the file name and location of the publishing domain file you are exporting.  Publishing domain file:  C:\Export\Adatum-TrustedPublishingDomain.xml Save As  Specify a password for encrypting the trusted publishing domain file. You must provide the password that you specify here to the administrator of the other AD RMS cluster where you intend this file to be imported.  Password:  Password:  Password:  Specify if the exported file will be imported into a cluster running an early version of AD RMS.  Specify if the exported file will be imported into a cluster running an early version of 1.0 SP1 and version 1.0 SP2) format.
	< Previous Next > Finish Cancel

#### Export der Vertrauensrichtlinie in der Partnerdomäne

WS IT-Solutions

- Die Namensauflösung und die Konnektivität zur Partnerdomäne wird vorausgesetzt
- Exportiere in der Partnerdomäne die Vertrauensrichtlinie in eine Datei Treyresearch-TrustedUserDomains.bin
- Exportiere in der Partnerdomäne die Veröffentlichungsrichtlinie in eine Datei Treyresearch-TrustedPublishingDomain.xml

#### Import der Vertrauens- und Veröffentlichungsrichtlinien

• Importiere auf LON-SVR1 die Richtliniendateien von Treyresearch:

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💫 Cluste		or the AD RMS cluster to be trusted. This enables your cluster to grant use licenses to users with rights account certificates from an AD RMS certification		
N 🖂 Reports		cluster in another organization or in a different forest.		
V Antepore		Trusted user domain file:		
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		Tune a display name for the certificate that will allow you to easily differentiate on		
		trusted user domain from another.	·	
		Display name: Treyresearch		



• Importiere die Veröffentlichungsdomäne:

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Clu enables your cluster to decrypt publishing licenses for an AD RM	✓S cluster in eluster con grant			
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Trusted publishing domain file;				
C:\Export\Treyresearch-TrustedPublishingDomain.xml Bro	wse			
The trusted publishing domain file was password protected when	it was exported			
from the other AD RMS cluster. Specify that password in the space decrypt the file.	ce provided to			
Pareword				
Type a display name for the certificate that will allow you to easily	differentiate one			
trusted publishing domain from another.				
Display name: Treyresearch				

• Analog wird in den RMS von Treyresearch die UserDomain und die ublishingDomain Adatum importiert.

# 6) Validierung der RMS-Funktionalität – interne Verwendung

Erstellung eines geschützten Dokumentes für interne Zwecke

- Anmeldung als Adatum\Aidan auf LON-CL1.adatum.com
- Starte Word 2010
  - Generiere Text
    - Schütze das Dokument:
      - Lesezugriff für <u>Bill@adatum.com</u>:

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• Speichere die Datei unter <u>\\LON-SVR1\Dokumente\Test1.docx</u>

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## Zugriff auf das interne Dokument (Leserecht)

- Anmeldung als Adatum\Bill auf Lon-CL1.adatum.com
- Speichere die Anmeldeinformationen im Office
- Öffne die Datei Test1.docx:

# MS IT-Solutions Implementieren von ADRMS unter Windows Server 2012 2013-09-27





• Versuche Änderungen zu speichern

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#### Zugriff auf das interne Dokument (kein Leserecht)

- Anmeldung als Adatum\Allie auf Lon-CL1.adatum.com
- Versuch, das Dokument Test1.docx zu öffnen:

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# 1) Validierung der RMS-Funktionalität – interne Verwendung

## Erstellung eines geschützten Dokumentes für externe Personen

- Anmeldung als Adatum\Aidan auf LON-CL1.adatum.com
- Starte Word 2010
  - Generiere Text
  - Schütze das Dokument:



#### Lesezugriff für april@treyresearch.net:



- Speichere das Dokument unter <u>\\LON-SVR1\Dokumente als Test2.docx</u>
- Kopiere das Dokument auf eine Freigabe <u>\\MUN-DC1.treyresearch.net\Dokumente</u>

#### Zugriff auf das externe Dokument (Leserecht)

- Anmeldung als TreyResearch\April auf MUN-CL1.adatum.com
- Versuch, das Dokument Test1.docx zu öffnen:





## WS IT-Solutions Implementieren von ADRMS unter Windows Server 2012 2013-09-27







# 7) Validierung der Funktionalität bei einem ausgefallenen RMS (intern)

Versuch, eine Datei zu schützen wenn der RMS offline ist

- Anmeldung als Adatum\Aidan auf LON-CL1.adatum.com
- Starte Word 2010
  - Generiere Text
  - Schütze das Dokument:
    - Lesezugriff für <u>bill@adatum.com</u>



• Speichere das Dokument ... OK

#### Versuch, eine geschützte Datei zu öffnen, wenn der RMS offline ist

- Anmeldung als Adatum\Bill auf LON-CL1.adatum.com
- Öffne die Datei:

## WS IT-Solutions Implementieren von ADRMS unter Windows Server 2012 2013-09-27







Versuch, eine bekannte geschützte Datei zu öffnen, wenn der RMS offline ist

• Bill hatte das Dokument Test1.docx bereits geöffnet



• Erneuter Versuch (die Datei wurde vorher in die eigenen Dokumente kopiert):

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• Da die Richtlinie das zwischenspeichern der Lizenzen am Client für 7 Tage erlaubt, kann Bill das Dokument öffnen

Versuch, die geschützte Datei Test3.docx zu öffnen, nachdem der RMS wieder online ist

- Der RMS ist wieder online
- Bill versucht, die Datei Test3.docx zu öffnen:

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