Cireson Portal for Configuration Manager

INSTALLATION GUIDE

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Introduction

The Cireson Portal for Configuration Manager is a web-based experience to help manage and standardize daily tasks outside of the native Configuration Manager console.

Productivity-boosting features include:

- Available anywhere, anytime
- Inventory data visibility
- Collection membership visibility
- Software management and deployment
- OSD management and deployment
- MDT integration and deployment
- Templates for software, OSD and deployments
- Role-based administration
- Built-in report viewer

Purpose and Audience

The purpose of this document is to explain how to install and perform the initial configuration of the Cireson Portal for Configuration Manager, referred to as the Portal from here on.

Version History

Version	Date	Author	Description
1.0	13 th Mar 2017	Cliff Hobbs	Final

Related Documentation

Ref	Document	Author	Status	Version
[1]	Cireson Portal for Configuration Manager	Cliff Hobbs	Draft	0.0b
	Administration Guide			
[2]	Cireson Portal for Configuration Manager	Cliff Hobbs	Draft	0.0a
	Troubleshooting Guide			

Prerequisites and Assumptions

It is assumed that any readers of this document are competent with installing, configuring and using the various software components mentioned throughout this guide.

NOTE: Administration and Troubleshooting of the Portal are covered in the Administration [1] and Troubleshooting [2] Guides.

This Installation Guide is based on an environment containing the following versions (see the Minimum Requirements section for details of supported configurations):

- Windows Server 2012 R2 for server resources
- Windows 10 for using the Portal
- SQL 2014 with Service Pack 2
- System Center Configuration Manager (ConfigMgr) Current Branch

If you are using different versions to these in your environment you will need to adjust the steps accordingly for those versions.

Feedback

We are constantly looking to improve everything we do. If you have any feedback on this document of the Portal itself, please email <u>team@cireson.com</u>.

Likewise, if you have any Feature Suggestions, please submit them in the Configuration Manager Portal area of the Feature Requests section at https://community.cireson.com

Minimum Requirements

The Cireson Portal for Configuration Manager can either be installed on the ConfigMgr site server or on a separate server that has access to the site server and the site database server provided it meets the following minimum requirements.

NOTE: If you decide to install the Portal on a server other than the ConfigMgr site server, we recommend that server is configured as detailed in this guide.

Regardless of where you install the Portal, the target server has to meet the following minimum software requirements:

- **Microsoft Windows Server 2008 with IIS 7 or later** Any version of Microsoft Windows Server that is currently supported for ConfigMgr 2012 is currently supported¹.
- Microsoft System Center Configuration Manager (ConfigMgr) Current Branch/ ConfigMgr 2012

 Any version of ConfigMgr currently supported by Microsoft.
- Microsoft SQL Server 2012 or later Any version of Microsoft SQL Server that is currently supported by Microsoft and that is also supported for ConfigMgr is supported by the Portal with the exception of SQL 2008 (although it remains supported by ConfigMgr, it is no longer under mainstream Microsoft support).
- .NET Framework 4 or greater

Optional Components

If you are using the Microsoft Deployment Toolkit (MDT) the Cireson Portal for Configuration Manager can be optionally integrated with this as well as ConfigMgr. This integration can be performed either at the time the Portal is configured or at a later date.

¹ See <u>https://technet.microsoft.com/en-us/library/gg682077.aspx#BKMK_SupConfigServerOS</u>

Installing the Prerequisites and Cireson Portal for Configuration Manager

The following process needs to be followed in order to install the prerequisites and the Cireson Portal for Configuration Manager:

- Account and group requirements
- DNS requirements
- Create and configure a new Website
- Configuring the IIS Application Pool
- Configuring file security
- Create and configuring the new SQL Database
- Running the SQL Scripts
- **NOTE:** The initial release of the Portal does not include an installer to automate the installation of the majority of these prerequisites and the Portal itself. Cireson is considering providing an installer in a future release to automate as much of the installation as possible.

Account and group requirements

In order to be able to install the Portal you need a standard Active Directory user account that will be used:

- As the application pool identity
- To pull data from ConfigMgr database
- To interact with the ConfigMgr Portal database
- To interact with the MDT database (if you are using MDT)
- To interact with the ReportServer database
- **NOTE:** If you used a service account to install ConfigMgr you will probably use the same account for the Portal. If you either did not use a service account or would like to use a separate account for the Portal, you need to ensure the account is a **Full Administrator** user in ConfigMgr which will add it as a member to the site server's local **SMS Admins** group in order to have access to the SMS Provider.

Also, if the Portal will be configured with the rights to remove a computer object from Active Directory (AD) if it is deleted from the Portal, those permissions are required for the account used for the Portal in AD.

Administrative access to the Portal is controlled through group membership. Depending on your environment you could create a local group on the server that will host the Portal called **Cireson CM Portal Admins** that will contain the user accounts of anyone requiring administrative access to the Portal. In this way controlling who has administrative access to the Portal is simply a case of managing the membership of the **Cireson CM Portal Admins** group.

Both Local and Domain groups are supported by the Portal.

NOTE: Multi Domain/ Forest Environments

In multiple Active Directory (AD) domain / forest environments, a single AD account typically cannot access resources in a foreign domain or forest. In such environments, the Portal allows an account for each domain / forest to be specified allowing the Portal to perform tasks on the domain by using the specified credentials.

This includes actions performed on remote ConfigMgr site servers, in SQL and AD, and machine policy download triggers on client computers.

DNS requirements

In order to be able to install the Cireson Portal for Configuration Manager you need to create a new Alias (CNAME record) in your Domain Name System (DNS) pointing to the address for the Portal on the Internet Information Services (IIS) Server on which the Portal will be installed.

For example:

http://ConfigMgrPortal.mydomain.local

where mydomain.local is the name of your domain.

The following procedure walks you through adding a new alias (CNAME) resource record to a zone in Windows Server 2012 R2.

To add an alias (CNAME) resource record to a zone:

- 1. Logon to the server where DNS is controlled.
- 2. Start Server Manager.
- Click the Tools menu then select DNS which will start the DNS Manager Microsoft Management Console (MMC).



- 4. In the DNS Manager navigate to DNS | <server_name> | Forward Lookup Zones.
- Right-click the relevant forward lookup zone where you want to add the Alias resource record for the Portal website name and click New Alias (CNAME). The New Resource Record dialog box opens.

Å	DNS Manager
File Action View Help	
🗢 🔿 🖄 🖬 🖉	
DNS DC DC	Name Global Logs Forward Lookup Zones Reverse Lookup Zones Reverse Lookup Zones Trust Points date Server Data File load w Host (A or AAAA) w Aiias (CNAME) w Mail Exchanger (MX) w Delegation her New Records ISSEC Tasks kete for b
Pro	poerties
Hel	
Create a new alias resource rec	14 1010.

6. In the **New Resource Record** dialog box type the name of the alias to be used for the Portal website name in the **Alias name** field, for example **ConfigMgrPortal**

New Resource Record
Alias (CNAME)
Alias name (uses parent domain if left blank):
ConfigMgrPortal
Fully qualified domain name (FQDN):
ConfigMgrPortal.Cireson.com.
Fully qualified domain name (FQDN) for target host:
Browse
Allow any authenticated user to update all DNS records with the same name. This setting applies only to DNS records for a new name.
OK Cancel

NOTE: As you type the alias in the **Alias name** field the **Fully qualified domain name** (FQDN) field is automatically populated.

 If you use Fully Qualified Domain Names (FQDNs) in your environment, in the Fully qualified domain name (FQDN) for target host field type the FQDN of the computer on which the Portal will be stored. Alternatively click the Browse button to browse the DNS namespace for the host (A) resource record for server on which the Portal will be installed.

New Resource Record
Alias (CNAME)
Alias name (uses parent domain if left blank):
Fully qualified domain name (FQDN):
ConfigMgrPortal.Cireson.com.
Fully qualified domain name (FQDN) for target host:
Primary.Cireson.com Browse
Allow any authenticated user to update all DNS records with the same name. This setting applies only to DNS records for a new name.
OK Cancel

8. Click **OK** to add the new record to the zone.

Create and configure a new Website

The next step in the process is to use Internet Information Services (IIS) to create and configure a new Website for the ConfigMgr Portal.

To create and configure a new Website for the Portal:

- 1. Logon to the server that will host the Portal.
- 2. Create a new folder under C:\inetpub to host the new Website, for example ConfigMgr Portal
- 3. Extract the **Cireson ConfigMgr Portal.zip** to the new folder created in Step 2.
- 4. Start Internet Information Services (IIS) Manager.

5. Expand the server object in the left hand pane, then right-click **Sites** and select **Add Website**.

9	Internet Information Services (IIS) Manager	_ 0 ×
Image: Second secon		🐱 🐼 🔞 🕢 •
File View Help		
Connections Conne	RIMARY Home Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: Area Image: Show All Group by: A	Actions Manage Server Restart Stat Stat Stat Change JAET Framework Version Get New Wab Platform Components
IIS ASP Failed	Controls	😢 Help
Request 1 Logging Manage	a Mappings Redirect Respon and Doma CGI Restri MIME Types Modules Output Request Server Worker Caching Filtering Certificates Processes nent Server IIS Manager IIS Manager Management Shared	
Editor	velegation Permissions users service Configurat	

6. On the **Add Website** dialog box, type the name of the Website in the **Site name** field for example **ConfigMgr Portal**

Add Website	? X
Site name: Application pool: ConfigMgr Portal Select	
Content Directory Physical path: Pass-through authentication Connect as Test Settings	
Binding Type: IP address: Port: http III Unassigned 80 Host name: III Unassigned Example: www.contoso.com or marketing.contoso.com	
✓ Start Website immediately OK C.	ancel

7. In the **Physical path** field, either type the path or browse to the folder created in Step 2.

Add Website	?	x
Site name: Application pool:	_	
Content Directory		
Physical path:		
C:\inetpub\ConfigMgr Portal		
Pass-through authentication		
Connect as Test Settings		
Binding		
Type: IP address: Port:		
http 🗸 All Unassigned 🗸 80		
Host name:		
Example: www.contoso.com or marketing.contoso.com		
Start Website immediately		
ОК С	ancel	

8. In the **Host name** field, type the name for the website, for example **ConfigMgrPortal** (no spaces) then click **OK**.

Add Website	?	x
Site name: Application pool:		
Content Directory Physical path: C:\inetpub\ConfigMgr Portal Pass-through authentication		
Connect as Test Settings Binding Type: IP address: http III Unassigned V Hort name: III Unassigned 80		
ConfigMgrPortal Example: www.contoso.com or marketing.contoso.com		
✓ Start Website immediately	ancel	

IMPORTANT: Make sure to enter the name of the Portal in the **Host name** field and not that of the actual server FQDN. If you enter the FQDN of the server, it will conflict with your Management Point and take it offline causing it to generate Status Message ID 5436:

MP Control Manager detected management point is not responding to HTTP requests. The HTTP status code and text is 401, Unauthorized

The new Website will be shown in Internet Information Services (IIS) Manager.

9		Interne	t Informatio	n Services (IIS) Manager		_ 0 ×
	iites 🕨					😰 🖂 🟠 🔞 •
File View Help						
File View Help Connections Co	Sites Fite: Name * © ConfigMgr Porta © Default We Site © WSUS Administr.	• • • G	o - 😱 Show A Status Started (ht Started (ht	II Group by: No Grouping Binding ConfigMgrPortal on **80 (http) :80 (http):443 (https) :8530 (http):8531 (https)	Path Crinetpub/Config %systemDrive%sis C\Program Files\I	tions Add Website Set Website Defaults Edit Site Bindings Basic Settings Explore Edit Permissions Remove Rename View Applications View Virtual Directories Anage Website Stop Forware ConfigMgrPortal on %0 (http) Forware Settings Configure Failed Request Tracing Limits Helio
	٢		ш		>	
< III >	Features View 🔀	Content View				€≣

- 9. Click the newly created Website.
- 10. Under the **IIS** section of the **ConfigMgr Portal Home** page, right-click **Authentication** and select **Open Feature.**





11. On the Authentication screen, right-click Windows Authentication and select Enable.

- 12. Right-click Anonymous Authentication and select Disable
- 13. Ensure all other authentication methods are disabled (if any are enabled simply right-click on them and select **Disable**).
- 14. Click the **ConfigMgr Portal** site under **Sites** to return to the **ConfigMgr Portal Home** page.
- 15. Under the Actions pane click Bindings.



16. On the **Site Bindings** dialog box, verify that a binding for the Portal alias already exists then click **Add.**

				Site Bir	ndings	? ×
	Type	Host Name	Port	IP Address	Binding Informa	Add
0	http	ConfigMgrPortal	80	*		
						Edit
						Remove
						Browse
						Close

17. On the **Add Site Binding** dialog box type the FQDN of the Portal Website in the **Host name** field then click **OK**.

Add Site Binding ? ×
Type:IP address:Port:httpAll Unassigned80
Host name: Configmgrportal.cireson.com Example: www.contoso.com or marketing.contoso.com
Example: www.contoso.com of marketing.contoso.com
OK Cancel

IMPORTANT: Make sure to enter the FQDN of the Portal in the **Host name** field and not that of the actual server FQDN. If you enter the FQDN of the server, it will conflict with your Management Point and take it offline causing it to generate Status Message ID 5436:

MP Control Manager detected management point is not responding to HTTP requests. The HTTP status code and text is 401, Unauthorized

		9	Site Bindings		?
Туре	Host Name	Port	IP Address	Binding Informa	Add
http	ConfigMgrPortal	80	*		
http	configmgrportal.cireson.com				Edit
					Remove
					Browse
					Close

Both of the bindings should now appear on the Site Bindings dialog box.

18. Click Close.

NOTE: Leave **Internet Information Services (IIS) Manager** open as it is required in the next section.

Configuring the IIS Application Pool

The next stage of the installation process involves configuring the Internet Information Services (IIS) Application Pool.

To configure the IIS Application Pool:

- 1. Logon to the server that will host the Portal.
- 2. Start Internet Information Services (IIS) Manager (if it isn't already).
- 3. Navigate to <server_name> | Application Pools.

9 3	Inter	net Infor	mation Serv	ices (IIS) Manag	jer		_ 0 ×
	pplication Pools						📴 🔤 🚱 •
File View Help							
Connections	()-m						Actions
🔍 • 🔜 🖄 😓	Application Poo	ols					Add Application Pool
PRIMARY (CIRESON\CM Adm Application Pools Jo - Sites	This page lets you view and mana associated with worker processes, applications.	ige the list contain o	of application p ne or more app	lications, and provi	Application pools are de isolation among dif	ferent	P Help
	Filter: • ¥	Go - 🙀	Show All Gr	oup by: No Groupi	ng •		
	Name	Status	.NET CLR V	Managed Pipel	Identity	Applica	
	.NET v4.5	Started	v4.0	Integrated	ApplicationPoolId	0	
	.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolId	0	
	CCM Client Deployment P	Started	v4.0	Classic	LocalService	1	
	CCM Client Notification Pr	Started	v4.0	Classic	LocalService	1	
	CCM Server Framework Pool	Started	v4.0	Classic	LocalService	2	
	CCM Windows Auth Server	Started	v4.0	Classic	LocalService	1	
	ConfigMgr Portal	Started	v4.0	Integrated	ApplicationPoolId	1	
	ConfigMgrPortal	Started	v4.0	Integrated	Cireson\Cireson C	0	
	DefaultAppPool	Started	v4.0	Integrated	ApplicationPoolId	1	
	SMS Distribution Points Pool	Started	v4.0	Integrated	LocalService	2	
	SMS Management Point Po	Started	v4.0	Classic	LocalService	1	
	SMS Windows Auth Manag	Started	v4.0	Classic	LocalService	1	
	WsusPool	Started	v4.0	Integrated	NetworkService	8	
	<		Ш			>	
< III >	Features View Content View	v					
Ready							63

- tion Services (IIS) Manage - 0 × PRIMARY
 Application Pools 🔯 🖂 🏠 🔞 • File View Help Connections Actions Application Pools 🔍 - 🔚 | 🖄 Add Application Pool.. PRIMARY (CIRESON\CM Adm
 Application Pools
 Sites Set Application Pool Default This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different associated w applications. Application Pool Tasks Filter: 🕶 🐨 Go 👒 🙀 Show All 🛛 Group by: No Grouping - Stop
 Recycle.
 Status
 .NET CLR V...
 Managed Pipel...
 Identity

 Statted
 v4.0
 Integrated
 Application
 Name Applica NET v4.5 ApplicationPoolId... 0 Integrated Classic Classic Edit Application Pool ApplicationPoolId... LocalService 0 Basic Settings... Recycling.. Classic LocalService Advanced Settings... CCM Clent Notification Pr... Started v4.0 CCM Server Framework Pool Started v4.0 CCM Windows Auth Server... Started v4.0 ConfigMgr Portal ConfigMgr Port LocalService LocalService Classic Rename Classic X Remove ApplicationPoolld... 1 Cireson\Cireson C... 0 ApplicationPoolld... 1 Add Application Pool... View Applications Set Application Pool Defaults... 🕜 Help SMS Distribution Points Pool Start LocalService SMS Distribution Points Pool
 SMS Management Point Po.
 SMS Windows Auth Manag.
 WsusPool
 Basic Sett LocalService LocalService NetworkService 8 Basic Settings... Recycling... 2 Advanced Settings... Rename × Remove View Applications Help > Ш III > Features View Content View Ready
- 4. Right-click the ConfigMgr Portal Application Pool and select Advanced Settings.

5. On the **Advanced Settings** dialog box verify that the **.NET CLR Version** under the **(General)** section is set to **v4.0**

	Advanc	ed Settings ?	x	
4	(General)		^	
	.NET CLR Version	v4.0 v		
	Enable 32-Bit Applications	False		
	Managed Pipeline Mode	Integrated		
	Name	ConfigMgrPortal	≡	
	Queue Length	1000		
	Start Mode	OnDemand		
⊿	CPU		-	
	Limit (percent)	0		
	Limit Action	NoAction		
	Limit Interval (minutes)	5		
	Processor Affinity Enabled	False		
	Processor Affinity Mask	4294967295		
	Processor Affinity Mask (64-bit of	4294967295		
⊿	Process Model			
⊳	Generate Process Model Event L			
	Identity	ApplicationPoolIdentity		
	Idle Time-out (minutes)	20		
	Idle Time-out Action	Terminate	\sim	
.NI [m spe the	E T CLR Version nanagedRuntimeVersion] Configu ecific .NET CLR version. The CLR e appropriate version of the .NET	ures the application pool to load a version chosen should correspond to Framework being used by your appli) 5	
OK Cancel				

6. Under the **Process Model** section click the ellipses (.....) after the **Identity** field.

		Advance	ed Settings ?	x
Γ	⊿	Process Model		^
	⊳	Generate Process Model Event L		
		Identity	ApplicationPoolIdentity	
		Idle Time-out (minutes)	20	
		Idle Time-out Action	Terminate	
		Load User Profile	False	
		Maximum Worker Processes	1	
		Ping Enabled	True	
		Ping Maximum Response Time	90	
		Ping Period (seconds)	30	≡
		Shutdown Time Limit (seconds)	90	
		Startup Time Limit (seconds)	90	
	⊿	Process Orphaning		
		Enabled	False	
		Executable		
		Executable Parameters		
	⊿	Rapid-Fail Protection		
		"Service Unavailable" Response	HttpLevel	
		Enabled	True	\sim
	lde [ide as l Ser	e ntity entityType, username, password] built-in account, i.e. Application F vice, Local System, Local Service,	Configures the application pool to ru Pool Identity (recommended), Netwo or as a specific user identity.	ın rk
			OK Cancel	

7. On the **Application Pool Identity** dialog box, select the **Custom account:** option and then click the **Set** button.

Application Pool Identity		? X
○ Built-in account:		
ApplicationPoolIdentity	V	
Custom account:		
	2	Set
ОК		Cancel

8. On the **Set Credentials** dialog box enter the credentials (including the domain name), for the Portal service account created in the Account and group requirements section then click **OK**. For example **Cireson CM Portal**.

Set Credentials ? ×
User name:
Cireson\Cireson CM Portal
Password:
Confirm password:
OK Cancel

9. On the **Application Pool Identity** dialog box, check that the **Custom account** field contains the correct value then click **OK**.

Application Pool Identity	? X
O Built-in account:	
ApplicationPoolldentity	~
Oustom account:	
Cireson\Cireson CM Portal	Set
2 OK	Cancel

10. To avoid potential performance issues with the initial loading of the Portal we recommend changing the value for the **Idle Time-out (minutes)** setting from **20** to **0**.

⊿	Process Model		ŀ
⊳	Generate Process Model Event L		Ŀ
	Identity	Cireson\Cireson CM Portal	
	Idle Time-out (minutes)	0	1
	Idle Time-out Action	Terminate	
	Load User Profile	False	
	Maximum Worker Processes	1	
	Ping Enabled	True	
	Ping Maximum Response Time	90	
	Ping Period (seconds)	30	-
	Shutdown Time Limit (seconds)	90	
	Startup Time Limit (seconds)	90	
⊿	Process Orphaning		
	Enabled	False	
	Executable		
	Executable Parameters		
⊿	Rapid-Fail Protection		
	"Service Unavailable" Response	HttpLevel	
	Enabled	True	Ŀ
Idl	e Time-out (minutes)		
[id idl rec	lleTimeout] Amount of time (in m e before it shuts down. A worker p quests and no new requests are rea	inutes) a worker process will remain process is idle if it is not processing ceived.	
_			_

MOREIf you do not change the value of the Idle Time-out (minutes) setting, after 20INFORMATION:minutes of receiving no traffic the Portal's Application Pool will terminate. Then
when traffic is received, the Application Pool for the Portal needs to be created,
ASP.NET or other frameworks needs to be loaded, and then the Portal needs to
be loaded. All of this can take a few seconds. Changing this setting to 0 should
not adversely affected IIS.

The next part of the configuration process involves configuring IIS Recycling.

NOTE: We recommend you configure IIS Recycling to occur at a specific time when the system usually has the lightest load, rather than the default of occurring every 1,740 minutes to avoid unexpected errors in the Portal event log similar to:

Thread was being aborted

General recommendations are provided in the following section but you should configure this setting (or even disable it), depending on your own environment.

To configure IIS Recycling to occur at a specific time:

1. Under the **Recycling** section, change the value of the **Regular Time Interval (minutes)** setting from **1740** to **0** otherwise you will be performing IIS recycling both every 1740 minutes and at the specific time specified later in this procedure.

	Advance	ed Settings ?	x
	Executable		^
	Executable Parameters		
⊿	Rapid-Fail Protection		
	"Service Unavailable" Response	HttpLevel	
	Enabled	True	
	Failure Interval (minutes)	5	
	Maximum Failures	5	
	Shutdown Executable		
	Shutdown Executable Parameter		
⊿	Recycling		
	Disable Overlapped Recycle	False	
	Disable Recycling for Configurat	False	
⊳	Generate Recycle Event Log Entr		
	Private Memory Limit (KB)	0	
	Regular Time Interval (minutes)	0	=
	Request Limit	0	
⊿	Specific Times	TimeSpan[] Array	
	[0]	00:00:00	
	Virtual Memory Limit (KB)	0	×
Re [tir rec reg	gular Time Interval (minutes) me] Period of time (in minutes) af cycle. A value of 0 means the app gular interval.	ter which an application pool will lication pool does not recycle on a	
		OK Cancel	

2. Next click the ellipses (....) after the **Specific Times** field.

	Advance	ed Settings	?	X
	Executable			^
	Executable Parameters			
⊿	Rapid-Fail Protection			
	"Service Unavailable" Response	HttpLevel		
	Enabled	True		
	Failure Interval (minutes)	5		
	Maximum Failures	5		
	Shutdown Executable			
	Shutdown Executable Parameter			
⊿	Recycling			
	Disable Overlapped Recycle	False		
	Disable Recycling for Configurat	False		
Þ	Generate Recycle Event Log Entr			
	Private Memory Limit (KB)	0		
	Regular Time Interval (minutes)	0		≡
	Request Limit	0		
Þ	Specific Times	TimeSpan[] Array		1
	Virtual Memory Limit (KB)	0		
				~
Sp [sc ap]	ecific Times hedule] A set of specific local tim plication pool is recycled.	es, in 24 hour format, when th	ne	
		ОК	Cancel	

3. On the TimeSpan Collection Editor dialog box click Add.

TimeS	oan Collection E	ditor	? X
Members:	Properties:		
	+		
Add Remove			
		OK	Cancel

TimeS	pan Col	lection Editor		? X
Members:	•	00:00:00 properties:	00:00:00	
Add Remove]		ок	Cancel

By default, midnight (**00:00:00**) is added as the default time.

- 4. Click **OK** to close the **TimeSpan Collection Editor** dialog box.
- 5. Click the small arrow (▶) preceding the **Specific Times** field to expand it.

	Advance	ed Settings	?)
	Executable			-
	Executable Parameters			
⊿	Rapid-Fail Protection			
	"Service Unavailable" Response	HttpLevel		
	Enabled	True		
	Failure Interval (minutes)	5		
	Maximum Failures	5		
	Shutdown Executable			
	Shutdown Executable Parameter			
⊿	Recycling			
	Disable Overlapped Recycle	False		
	Disable Recycling for Configurat	False		
⊳	Generate Recycle Event Log Entr			
	Private Memory Limit (KB)	0		
	Regular Time Interval (minutes)	0		
	Request Limit	0		
⊳	Specific Times	TimeSpan[] Array	[
	Virtual Memory Limit (KB)	0		
				`
Sp [sc ap	ecific Times hedule] A set of specific local tim plication pool is recycled.	es, in 24 hour format, when t	he	
_		ОК	Cance	el

6. Verify that the time entry configured in Step 3 is present and set correctly then click **OK**.

E E	xecutable		
E A R			^
A R	xecutable Parameters		
	Rapid-Fail Protection		
	Service Unavailable" Response	HttpLevel	
E	nabled	True	
F	ailure Interval (minutes)	5	
N	Maximum Failures	5	
S	Shutdown Executable		
S	Shutdown Executable Parameter		
⊿ R	Recycling		
D	Disable Overlapped Recycle	False	
D	Disable Recycling for Configurat	False	
⊳ G	Generate Recycle Event Log Entr		
Р	Private Memory Limit (KB)	0	
R	Regular Time Interval (minutes)	0	=
R	Request Limit	0	
⊿ S	Specific Times	TimeSpan[] Array	
	[0]	00:00:00	
V	/irtual Memory Limit (KB)	0	Y

7. Close Internet Information Services (IIS) Manager

Configuring file security

To configure file security for the Portal:

- 1. Logon to the server that is hosting the Portal.
- 2. Grant the user account that will be used to run the Portal (for example **Cireson CM Portal**), **Modify** permissions to the **C:\Inetpub\ConfigMgr Portal** folder, and all subfolders and files.

Create and configuring the new SQL Database

To create the new SQL database for the Portal:

- 1. Logon to the server that will host the Portal.
- 2. Start **SQL Server Management Studio** and connect to the SQL Server where the Portal database will be created using an account that has permission to create a database.

3. Right-click Databases and select New Database.



4. On the New Database screen, type ConfigMgr_Portal in the Database name field.

8		New	Database		_ D ×
Select a page Page General	🔄 Script 🔻 🛐	Help			
Poptions Filegroups	Database name:		ConfigMgr_	Portal	
	Owner:		<default></default>		
	Use full-text in	dexing			
	Database files:				
	Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsize
	ConfigMgr_P	ROWS	PRIMARY	4	By 1 MB, Unlimited
	ConfigMgr_P	LOG	Not Applicable	1	By 10 percent, Unlimited
Connection					
Server: PRIMARY					
Connection: CIRESON\CM Admin					
View connection properties					
Progress					
Ready	<	Ш		Add	Remove
					OK Cancel

5. For the **ConfigMgr_Portal** database, set the **Initial Size (MB)** value to be whichever is the greater of either ten percent of the size of the ConfigMgr site database or **500** MB.

8		New I	Database			x I
Select a page	Script 🝷 🛐	Help				
Filegroups	Database name:		ConfigMgr_	Portal		
	Owner:		<default></default>			
	Use full-text in	dexing				
	Database files:					
	Logical Name	File Type		Initial Size (MB)	Autogrowth / Maxsize	
	ConfigMgr_P	LOG	Not Applicable	1	By 10 percent, Unlimited	
C C						
Connection						
PRIMARY						
Connection: CIRESON\CM Admin						
View connection properties						
Progress						
Ready	<	Ш				>
The star				Add	Remove	
	1				OK Car	ncel

6. Click the ellipses (....) after the Autogrowth / Maxsize value for the ConfigMgr_Portal database (you may need to make the New Database dialog box bigger to see these).

8	New Database 📃 🗖 🗙									
Select a page	🔄 Script 🔻 🛐	Script ▼ 🔀 Help								
Poptions	Database name:	Database name: ConfigMgr_Portal								
	Owner:		<pre>cdefault></pre>							
	Owner.		Cuerauit >							
	Use full-text in	Use full-text indexing								
	Database files:									
	Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsize					
	ConfigMgr_P	ROWS	PRIMARY	500	By 1 MB, Unlimited					
	ConfigMgr_P	LOG	Not Applicable	1	By 10 percent, Unlimited					
Connection										
Server: PRIMARY										
Connection: CIRESON\CM Admin										
View connection properties										
Progress										
Ready	<			Ac	dd Remo	ve				
					ОК	ancel				

7. In the **Change Autogrowth for ConfigMgr_Portal** dialog box change the **In Megabytes** value to **100** then click **OK**.

Change Autogrowth for ConfigMgr_Portal
✓ Enable Autogrowth
File Growth
O In Percent 10
In Megabytes
Maximum File Size
C Limited to (MB)
 Unlimited
2 OK Cancel

8. For the **ConfigMgr_Portal** SQL Log, set the **Initial Size (MB)** value to be whichever is the greater of either ten percent of the size of the ConfigMgr site database log or **100** MB.

8		Nev	v Database				x				
Select a page	🔄 Script 🔻 🛐	Script 👻 📑 Help									
Poptions Filegroups	Database name:	Database name: ConfigMgr_Portal									
	Owner:		<default></default>								
	Use full-text in	Use full-text indexing									
	Database files:	Database files:									
	Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsiz	e					
	ConfigMgr_P	ROWS	PRIMARY	500	By 100 MB, Unlimite	d					
	ConfigMgr_P	LOG	Not Applicable	100 🗘	By 10 percent, Unlin	nited					
Connection											
Server: PRIMARY											
Connection: CIRESON\CM Admin											
View connection properties											
Progress											
Ready	<	ш		Ac	bl	Remove	>				
					ОК	Cancel					

9. Click the ellipses (....) after the Autogrowth / Maxsize value for the ConfigMgr_Portal_log SQL log.

E .		Nev	w Database		-	
Select a page	Script 👻 📑	Help				
General						
Filegroups	Database name:	Database name: ConfigMar Portal				
	Owner:		<default></default>	_		
	o mildi.					
	Use full-text in	dexing				
	Database files:					
	Logical Name	File Type	Filearoup	Initial Size (MB)	Autogrowth / Maxsize	
	ConfigMgr_P	ROWS	PRIMARY	500	By 100 MB, Unlimited	
	ConfigMgr_P	LOG	Not Applicable	100	By 10 percent, Unlimited	
Connection						
Server:						
PRIMARY						
Connection:						
View connection properties						
Progress						
All Pondy	<	Ш				>
neauy						
				P	Rer	nove
					OK	Cancel

10. In the **Change Autogrowth for ConfigMgr_Portal_log** dialog box, select the **In Megabytes** option and change the value to **100** then click **OK**.

Change Autogrowt	h for ConfigMgr_Portal_log
Enable Autogrowth	
File Growth	
◯ In Percent	10 🔶
1 💿 In Megabytes	2 100 🔶
Maximum File Size Limited to (MB) Unlimited	100
	3 OK Cancel

E		Nev	w Dat	tabase		_		
Select a page	🛒 Script 👻 📑	Help						
General								
Filegroups	Database name:			ConfigMgr_Portal				
_	Owner:		i	<default></default>				
	✓ Use full-text indexing							
	Logical Name	File Type	Filea	mun	Initial Size (MB)	Autogrowth / Maysize		
	ConfigMar P	ROWS	PRI	MARY	500	By 100 MB. Unlimited		
	ConfigMgr P	LOG	Not	Applicable	100	By 100 MB, Unlimited		
Connection								
Connection Server:								
PRIMARY								
Connection: CIRESON\CM Admin								
View connection properties								
Progress								
Ready	<	Ш					>	
The start of the s					A	dd Re	move	
						ОК	Cancel	

11. Click **OK** on the **New Database** screen.

NOTE: By default SQL sets the **Recovery Mode** for the Portal database to **Full** which could result in the Transaction Log growing quite large as all transactions are maintained. Consider setting the **Recovery Mode** to **Simple** to reduce the size of the Transaction Log.

Leave **SQL Server Management Studio** open as it is required in the next part of the process which is to grant the group that will be used for the Portal access to the new database.

To grant the user that will be used for the Portal access to the new database:

- 1. Logon to the server that will host the Portal.
- 2. Start SQL Server Management Studio.
- 3. Navigate to <*server_name*> | Security | Logins.
 - **NOTE:** As the Portal account has already been defined as a **Full Administrator** in ConfigMgr, a SQL Login will already exist. If a SQL Login doesn't exist for the Portal account, configure it as a **Full Administrator** in ConfigMgr before proceeding.

4. Double-click the Login for the Portal user account (for example **Cireson CM Portal**).



5. Under the Select a page section select the Server Roles page.

8	Login Properties - CIRES	ON\Cireson CM Por	tal	-	D X
Select a page	🛒 Script 🔻 📑 Help				
General Server Roles Server Roles Securables Status	Script Login name: Windows authentication SQL Server authentication Password: Confirm password: Specify old password Old password: Enforce password policy Enforce password policy User must change passw Mapped to certificate Mapped to asymmetric key	CIRESON/Gireson CM Po	ntal		Search
Connection	Map to Credential			- -	Add
Server: PRIMARY Connection: CIRESON/CM Admin 뤧 <u>View connection properties</u>	Mapped Credentials	Credential	Provider		
Progress					Remove
C Ready	Default database: Default language:	master English		✓✓	
			ОК	(Cancel

6. Verify that **public** is selected.

8	Login Properties - CIRESON\Cireson CM Portal	
Select a page	🕄 Script 🔻 🖪 Help	
General Server Roles User Mapping Securables	Server role is used to grant server-wide security privileges to a user. Server roles: bulkadmin docreator diskadmin processadmin securityadmin serveradmin setupadmin sysadmin	
Connection		
Server:		
PRIMARY		
Connection: CIRESON\CM Admin		
View connection properties		
Progress		
Ready		
	OK Cancel	

7. Under the **Select a page** section select the **User Mapping** page.

8	Login Properties - CIRESON\Cireson CM Portal	- 🗆 X
Select a page General	🔄 Script 🔻 🛐 Help	
Server Roles User Mapping Securables Securables Status	Server role is used to grant server-wide security privileges to a user.	
	bulkadmin dbcreator diskadmin processadmin ♥ public securityadmin setupadmin stupadmin sysadmin	
Connection		
Server: PRIMARY Connection:		
CIRESON\CM Admin		
Progress		
Ready		
	ОК	Cancel

8. Verify that the checkbox in the **Map** column beside the ConfigMgr database (**CM_***xxx* by default where *xxx* is your site code) has been checked.

8	Login P	roperties - CIRESON	N\Cireson CM Portal	l	- 🗆 X
Select a page	Script	- 📑 Help			
Server Roles	Users map	ped to this login:			
Manager Securables Manager Status	Map	Database CM_CIR CorfigMgr_Portal master MDT model msdb ReportServer ReportServerTempDB	User CIRESON\Cireson CM	Default Schema dbo	
	Guest a	SUSDB tempdb account enabled for: CM_C	IR		~
Connection		ole membership for. CM_C	IN		
Server: PRIMARY Connection: CIRESON\CM Admin IRESON\CM Admin	db_acc db_bac db_dat db_dat db_ddl db_der db_der db_der	zeszadnim skupoperator areader awriter admin nydatareader nydatawriter ner			=
Progress	db_sec	curityadmin			
Ready	public smsdbr smsdbr smsdbr smsdbr	role_AITool role_AIUS role_AMTSP			~
				OK	Cancel

9. Select the checkbox beside **db_datareader.**

8	Login P	roperties - CIRESO	N\Cireson CM Portal	-	- 🗆 X
Select a page General Server Roles	Script	🕶 📑 Help			
🚰 User Mapping	Users map	ped to this login:			
	Мар	Database	User	Default Schema	^
Tatus	✓	CM_CIR	CIRESON\Cireson CM	dbo	
		ConfigMgr_Portal			
		master			
		MDT			_
		model			=
		msdb			
		ReportServer			
		ReportServerTempDB			
		SUSDB			
		temodb			~
Connection	Database	account enabled for: CM_C	IR IR		
Server:	db_ac	cessadmin okunoporator			^
PRIMARY	✓ db dat	areader			
Connection:	db_dat	awriter			=
CIRESON\CM Admin	db_dd	admin			
View connection properties		nydatareader hydatawriter			
-	db_ow	ner			
Progress	db_sec	curityadmin			
Ready	public smsdbi smsdbi smsdbi smsdbi	role_AITool role_AIUS role_AMTSP			~
				ОК	Cancel

3	Login P	roperties - CIRESO	N\Cireson CM Portal	l	- 🗆 X
Select a page General Server Roles User Mapping Securables Status	Users map		User CIRESON\Cireson CM CIRESON\Cireson CM	Default Schema dbo	
Connection Server: PRIMARY Connection: CIRESONNCM Admin If Wew connection properties View connection properties Progress Ready	Guest	account enabled for: Confi role membership for: Config cessadmin ckupoperator tareader tarwiter ladmin nydatarwiter nydatarwiter mer curityadmin	gMgr_Portal		
				ОК	Cancel

10. Select the checkbox in the **Map** column beside the **ConfigMgr_Portal** database.

11. Select the checkbox beside **db_owner.**

8	Login P	roperties - CIRESOI	N\Cireson CM Portal		- 🗆 X
Select a page General	Script	🕶 📑 Help			
User Mapping	Users map	ped to this login:			
Securables	Мар	Database	User	Default Schema	^
T Status	✓	CM_CIR	CIRESON\Cireson CM	dbo	
	✓	ConfigMgr_Portal	CIRESON\Cireson CM		
		master			
		MDT			=
		model			
		msdb			
		ReportServer			
		ReportServerTempDB			
		SUSDB			
		tempdb			Ť
			M. D. J.		
	Guest	account enabled for: Config	gilligr_Portal		
Connection	Database	role membership for: Config	Mgr_Portal		
Connection	db_ac	cessadmin			
Server: PRIMARY	db_ba	ckupoperator			
	db_da	tareader			
Connection: CIRESON\CM Admin		ladmin			
	db_de	nydatareader			
Mew connection properties	db_de	nydatawriter			
Progress	db_ow	ner suritvadmin			_
	✓ public				
Ready					
-415×					
				ОК	Cancel
					.1

12. If MDT has been installed and you want the Portal to integrate with it, select the checkbox in the **Map** column beside the **MDT** database.

8	Login P	roperties - CIRESO	N\Cireson CM Portal	l	- 🗆 X
Select a page General Server Roles Servarables Securables Status	Script	Help Help Database CM_CIR ConfigMgrPortal master MDT	User CIRESON/Cireson CM CIRESON/Cireson CM CIRESON/Cireson CM	Default Schema dbo	···· ·
Connection	Guest	model msdb ReportServer ReportServerTempDB SUSDB temodb account enabled for: MDT role membership for: MDT			~
Server: PRIMARY Connection: CIRESON/CM Admin View connection properties Progress Ready	db_ac db_ba db_da db_dd db_dd db_dd db_de db_de db_ee db_se ✔ public	cessadmin okupoperator tavarder tawriter ladmin nydatareader nydatawriter mer cunttyadmin			
				ОК	Cancel

13. Select both the **db_datareader** and **db_datawriter** checkboxes.

8	Login Properties - CIRESC	N\Cireson CM Portal	-	. 🗆 X
Select a page	🔄 Script 🔻 🚺 Help			
Im Centeral Server Roles Iser Mapping Securables If Status	Users mapped to this login: Map Database CM_CIR CM_CIR ConfigMgr_Portal master MDT model msdb ReportServer ReportServer SUSDB temodb	User CIRESON\Cireson CM CIRESON\Cireson CM CIRESON\Cireson CM	Default Schema dbo	
Connection	Database role membership for: MDT	ſ		
Server: PRIMARY Connection: CIRESON\CM Admin View connection properties Progress	db_accessadmin db_backupoperator db_datareader db_datareader db_ddladmin db_denydatareader db_denydatareader db_denydatarwiter db_owner db_securityadmin vplublic			
Ready			ОК	Cancel

14. If you want to use ConfigMgr reports in the Portal, select the checkbox in the **Map** column beside the **ReportServer** database.

8	Login F	Properties - CIRESO	N\Cireson CM Portal		_ D X
Select a page	Script	🕶 📑 Help			
Server Roles	Users map	oped to this login:			
Securables	Map	Database	User	Default Schema	^
Status	✓	CM_CIR	CIRESON\Cireson CM	dbo	
	✓	ConfigMgr_Portal	CIRESON\Cireson CM		
		master			
	✓	MDT	CIRESON\Cireson CM		
		model			
		msdb			
	✓	ReportServer	CIRESON\Cireson CM		
		ReportServerTempDB			
		SUSDB			
		temodb			~
	Guest	account enabled for: Repo	rtServer		
Connection	dh ac	cessadmin			
Server: PRIMARY	db_da db_ba	ackupoperator atareader			
Connection: CIRESON/CM Admin	db_da	itawriter Iladmin			
	db_de	enydatareader			
View connection properties	db_de	nydatawriter vner			
Progress	db_se	curityadmin			
Ready		ecRole			
				ОК	Cancel

15. Select the checkbox beside **db_datareader.**

8	Login l	Properties - CIRESO	N\Cireson CM Portal	_ D X
Select a page General Server Roles	Script	▼ 📑 Help		
Securables	Users ma Map	pped to this login: Database CM_CIR CorfigMgr_Portal master MDT model msdb ReportServer ReportServerTempDB SUSDB tempdb	User CIRESON\Cireson CM CIRESON\Cireson CM CIRESON\Cireson CM	Default Schema A dbo IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Connection	Database	account enabled for: Repo	ortServer ortServer	
Server: PRIMARY Connection: CIRESON/CM Admin View connection properties Progress Ready	db_ad db_bi db_dd db_dd db_dd db_dd db_dd db_od db_se V public RSEx	scessadmin aakupoperator atareader stawriter diadmin enydatareader anydatawriter wner ecurityadmin s ecurityadmin s		
				OK Cancel

16. Click **OK** to close the **Login Properties -** *<domain>\<i><***Portal_SQL_login>** screen.

Running the SQL Scripts

The **Cireson ConfigMgr Portal Hosting Service** uses table states in order to determine if a table scan is required to update resources in the Portal database from the ConfigMgr and MDT databases. This technique minimizes the number of database queries for the Portal Caching Service.

This process requires granting the **VIEW SERVER STATE** permission for the Portal IIS Identity user or the specified SQL account used in the Portal.

NOTE: This permission needs to be granted on the SQL **Master** database by someone logged in with an account that has full SQL administrative rights.

If you choose not to grant the **VIEW SERVER STATE** permission to the Portal account, the Portal will still function properly but it will process all appropriate data each cycle instead of only processing delta updates.

Our recommendation is you grant the **VIEW SERVER STATE** permission as detailed below.

To run the SQL scripts:

- 1. Logon to the server hosting Portal.
 - **NOTE:** For this procedure, you cannot login as the Portal account otherwise Step 4 will fail.
- 2. Start SQL Management Studio.
- 3. Click **New Query** on the toolbar.



4. Enter the following SQL query in the new query window replacing *ConfigMgr Portal Account>* with the domain name and name of the Portal Account created in the Account and group requirements section. If you are using a SQL account omit the domain.

USE master GRANT VIEW SERVER STATE TO [<Domain>\<ConfigMgr Portal Account>] GO

For example, if your domain name is **Cireson** and the account name is **Cireson CM Portal** you would enter:

USE master GRANT VIEW SERVER STATE TO [Cireson\Cireson CM Portal] GO



5. Click Execute on the toolbar.



The message **Command(s) completed successfully** will be displayed in the **Messages** pane.

SQLQuery1.sql - PR	IMARY.master (CIRESON\CM Admin (66))* - Microsoft SQL Server	Manag	gement Studio 🗕 🗖 🗙
File Edit View Query Project Debug Tools	Window Help		
: 🔚 • 🖂 - 🥰 🚚 🗿 😫 New Query 📑 👒	Ra Ra X ha Ra • · · · · · · · · · · · · · · · · · ·		- 08
		A?	
: 21 Ligk master		⊶B ₹	
Object Explorer	SQLQuery1.sql - PON\CM Admin (66))* ×	-	Properties 🔹 🕈 🕂 🗙
Connect 🕶 🛃 🔡 🔲 🍸 🛃 🎿	USE master	÷	Current connection parameters -
🗉 🐻 PRIMARY (SQL Server 12.0.5000.0 - CIRESC 🔨	[GRANT VIEW SERVER STATE TO [Cireson\Cireson CM Portal]	^	
🖃 🧰 Databases	0		A Acaroanto Statur
🛞 🚞 System Databases			Connection failur
Database Snapshots			Flansed time 00:00:00 080
			Einish time 19/12/2016 18:32:32
B Depart Conversion		=	Name PRIMARY
ReportServerTempDR			Rows returned 0
			Start time 19/12/2016 18:32:32
🗑 📔 ConfigMgr Portal			State Open
🗉 🚞 Security			▲ Connection
🖃 🧰 Logins 🛛 🗮			Connection name PRIMARY (CIRESON\CI
a ##MS_PolicyEventProcessingLo			▲ Connection Details
🎄 ##MS_PolicyTsqlExecutionLogi	100 % * (× ×	Connection elaps 00:00:00.080
CIRESON\Cireson CM Portal	B. Muuru		Connection finish 19/12/2016 18:32:32
CIRESON/CM Admin	Command(a) completed successfully	[]	Connection rows 0
CIRESON\CM_Reports	Command(s) completed success+ully.	Ĥ	Connection start t 19/12/2016 18:32:32
INT AUTHORITY NETWORK SEE			Connection state Open
A NT AUTHORITY/SYSTEM			Display name PRIMARY
NT Service\MSSOLSERVER			Login name CIRESON\CM Admin
A NT SERVICE\SQLSERVERAGENT		=	Server name PRIMARY
A NT SERVICE\SQLWriter			Server version 12.0.5000
A NT SERVICE\Winmgmt			Session Tracing ID
PRIMARY\ConfigMgr_DViewAc			SPID 66
PRIMARY\WSUS Administrator			
🖧 sa			
Gradentials	100 % * (× ×	Name
Createrniais		121	The name of the connection.
< III >	Q PRIMARY (12.0 SP2) CIRESUN\CM Admin (66) master 00:00:00 0	rows	
Ready	Ln 2		Col 1 Ch 1 INS

6. Next navigate to Databases and select the ConfigMgr_Portal database.



7. In SQL Management Studio on the File menu select Open | File.



8. Browse to the C:\Inetpub\ConfigMgr Portal_Setup\Database folder.

<u> </u>	Op	en File		x
€ ⊚ ▼ ↑ 퉬 « _Set	up 🕨 Database	~ ¢	Search Database	م ر
Organize 👻 New folder				
4 🍢 SQL Server Manageme	Name	•	Date modified	Туре
SQL Server Manager	눩 dbData		13/12/2016 15:47	Microsof
	📄 dbTables		13/12/2016 15:47	Microsof
▷ 🖳 This PC				
▷ 📬 Network				
▷ 🗣 Network	<	Ш		>
▷ 🗣 Network File nar	< dbTables	······································	All Files (*.*)	> •

9 Studio.

10. Click **Execute** on the toolbar.





The message (1 row(s) affected) will be displayed in the Messages pane.

- 11. In SQL Management Studio on the File menu select Open | File.
- 12. Browse to the C:\Inetpub\ConfigMgr Portal_Setup\Database folder.
- 13. Double-click **dbData.sql** which will open it as a query in SQL Management Studio.



14. Click Execute on the toolbar.



The message (1 row(s) affected) will be displayed numerous times in the Messages pane.



15. Close **SQL Management Studio** (you can click **No** when prompted to save any changes to any SQL queries).

This completes the process to create the appropriate tables and required relationships.

Configuring the Cireson Portal for Configuration Manager

Now that the Cireson Portal for Configuration Manager has been installed, it can now be configured. Configuring the Portal is a two-stage process:

- Run the Portal Configuration Wizard
- Install the Caching Service

Run the Portal Configuration Wizard

To run the Portal Configuration Wizard:

1. From a browser (preferably Internet Explorer running on a workstation), enter the following URL in the address field:

http://<configmgrportal>/_setup/default.aspx

where <*configmgrportal>* matches one of the IIS bindings for the ConfigMgr Web site created in the Create and configure a new Website section.

For example:

http://configmgrportal/_setup/default.aspx

NOTE: The character before the word **Setup** is an underscore ("_") not a space i.e.

_setup

2. Enter your credentials if prompted.

The **Configuration Manager Portal Configuration Wizard** screen will be displayed.



3. Click Start



4. On the License Key page, enter your License Key in the License Key field.



Cireson Portal for Configuration Manager

5. Click Validate to ensure it is valid.



A message will be displayed stating how long your license is valid until.

Configmgrportal	×	+			-	٥	×
\leftrightarrow \rightarrow O	conf	gmgrportal/_setup/default.aspx	□ ☆	=	1	٩	
		Cireson Portal for Configuration Manager					
		Configuration Manager Portal Configuration Wizard	×				
		License Key					
		Please enter your license key for the Configuration Manager Portal.					
		License Key : Validate					
		Portal Information Your license is valid until 30/06/2017 00:00:00					
		Previous	Next				

6. Click Next

🗖 configme	rportal	×	+				-	٥	×
$\leftarrow \rightarrow$	Ö	cont	figmgrportal/_setup/default.a	spx		=	1	٩	
			Cireson	Portal for Configuration Manage	er				
			Configuration Manage	r Portal Configuration Wizard	×				
			License Key						
			Please enter your license key	for the Configuration Manager Portal.					
			License Key :	Validate					
				Portal Information Your license is valid uniti 30/06/2017 00:00:00	Next				

7. On the **Portal Database** page, enter the details of the SQL Server hosting the Portal in the **Server** and **Database** fields.

Configmgrportal ×	+				-	٥	×
\leftarrow \rightarrow \circlearrowright \mid cor	figmgrportal/_setup/de	efault.aspx		□ ☆	- 2	6	
	Cires	son Portal for Co	onfiguration Manag	ger			
	Configuration Ma	anager Portal Configuration	Wizard	×			
	Portal Database						
	Enter information about	It the Microsoft SQL Server on which	the Portal database is stored.				
	Server :	Primary]				
	Database :	ConfigMgr_Portal					
	Authentication Mode :	Windows Authentication •					
	SQL User :						
	SQL Password :						
		Test Connection					
			Previo	Next			

- 8. If you are using **Windows Authentication** click the **Test Connection** button. If you are using SQL Authentication select this from the **Authentication Mode** dropdown and enter the relevant details in the **SQL User** and **SQL Password** fields before clicking the **Test Connection** button.
 - **NOTE:** If you are using Windows Authentication, the IIS Application Pool identity configured in the Configuring the IIS Application Pool section is used to access the database.

🗖 config	mgrpor	tal	×	+						-	٥	×
\leftarrow -	\rightarrow (U	conf	igmgrportal/_setup/de	fault.aspx			□ ☆	₽	1	٩	
				Cires	son Portal for Co	onfiguration N	lanager					
				Configuration Ma	nager Portal Configuration	Wizard		×				
				Portal Database								
				Enter information about	t the Microsoft SQL Server on which t	the Portal database is stored.						
				Server :	Primary							
				Database :	ConfigMgr_Portal							
				Authentication Mode :	Windows Authentication •							
				SQL User :								
				SUL Password :	Test Connection							
				1								
							Previous	Next				

If the connection is successful, you will see the message **Successfully connected to the Portal** database on SQL server '<*server_name>*'.

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	Portal Database						
	Enter information about the Microsoft SQL Server on which	h the Portal database is stored.					
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9. Click Next

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	Portal Database								
	Enter information about	at the Microsoft SQL Server on which	the Portal database is stored.						
	Server :	Primary							
	Database :	ConfigMgr_Portal							
	Authentication Mode :	Windows Authentication •							
	SQL User :								
	SQL Password :								
		Test Connection							
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- 10. On the **Configuration Manager** page, in the **Site Server** field enter the name of the ConfigMgr site server.
 - **NOTE:** In a multi-site environment, this must be the Central Administration/ Central Site and cannot be a Secondary Site.

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	Enter information about Primary Site Server and	nt the Configuration Manager Serve Id is typically the Central Site Serve	r on which the Portal should integra r.	ite. This can only b	ie a				
	Site Server :	Primary							
	SQL Server : SQL Database : Authentication Mode : SQL User : SQL Password :	Test Connection Test Connection							
				Previous	Next				

11. Click Test connection



If the connection is successful, you will see the message **Successfully connected to** '<**ConfigMgr_Site_Server_name**>'

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	SQL Server :		Portal Information							
	SQL Database :		Successfully connected to 'Primary'							
	Authentication Mode	: Wind	cws Authentication 🔹							
	SQL Password :									
		Test	Connection							
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12. Enter the name of the SQL Server hosting the ConfigMgr database in the **SQL Server** field and the name of the ConfigMgr database in the **SQL Database** field.

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	Enter information abou Primary Site Server an	it the Configuration Manager Server o id is typically the Central Site Server.	n which the Portal should integrate. This can only	/ be a				
	Site Server :	Primary Test Connection						
	SQL Server :	Primary						
	SQL Database :	CM_CIR						
	Authentication Mode :	Windows Authentication •	Ī					
	SQL User :							
	SQL Password :							
		Test Connection						
			Previous	Next				

- 13. If you are using **Windows Authentication** click the **Test Connection** button. If you are using SQL Authentication select this from the **Authentication Mode** dropdown and enter the relevant details in the **SQL User** and **SQL Password** fields before clicking the **Test Connection** button.
 - **NOTE:** If you are using Windows Authentication, the IIS Application Pool identity configured in the Configuring the IIS Application Pool section is used to access the database.

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	Sile Server : Primary Test Connection SOL Server : Primary SOL Database : CM_CIR Authentication Mode : Windows Authentication • SOL User : SOL Password : Test Connection Previous	Ned				

If the connection is successful, you will see the message **Successfully connected to the Configuration Manager database on SQL Server '***server_name***'**.

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Image: Configuration Manager Configuration Manager Configuration Manager Configuration Manager Interview of the Configuration Wizard Interview of the Configuration Manager Server on which the Portal should integrate. This can only be a Primary Site Server and is typically the Central Site Server. Site Server: Image: Sol Server:	\Box configmgrportal \times +				-	٥	×
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Configuration Manager Enter information about the Configuration Manager Server on which the Portal should integrate. This can only be a Primary Site Server and is typically the Central Site Server. Site Server : Primary Sul Server : Primary Sul Server : Office Successfully connected to the Configuration Authentication Mode: Wind Authentication is Sul Server Primary'. Sul User : Sul Password : Test Connection	Configu	uration Manager Portal Configuration Wizard	×				
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SQL Server: SQL Database: Authentication Mode: SQL User: SQL Dessword: Test Connection Previous Namager database on SQL server 'Primary'. SQL User: SQL Password: Test Connection Namager database on SQL server 'Primary'. Namager database on SQL server 'Primary'. SQL User : SQL Password : Test Connection	Site Sen	ver : Primary					
	SOL Set SOL Dat Authenti SOL Usi SOL Par	Ver : Prime Portal Information tabase : OK. Successfully connected to the Configuration Manager database on SQL server 'Primary'. er : ssword : Test Connection Previous	Next				

14. Click Next

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	SQL User : SQL Password : Test Connection Previous	Next				

15. If you plan to integrate the ConfigMgr Portal with the Microsoft Deployment Toolkit (MDT), on the **Microsoft Deployment Toolkit** page select the **Enable MDT Integration** checkbox.

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	Configuration Manager Portal Configuration Wizard	×				
	Microsoft Deployment Toolkit Enter information about the MDT database. MDT integration SOL Server: SOL Database: Authentication mode: Windows Authentication SOL User: SOL Database Test Connection					
	Previous	Next				

16. Enter the name of the SQL Server hosting the MDT database in the **SQL Server** field and the name of the MDT database in the **SQL Database** field.

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Cires	son Portal for Configuration Manag	ger				
Configuration Ma	nager Portal Configuration Wizard	×				
Microsoft Deploymer	t Toolkit					
Enter information about MDT Integration :	rt the MDT database. ☑ Enable MDT integration					
SQL Server : SQL Database :	Primary MDT					
Authentication mode : SQL User : SQL Password :	Vindows Authentication Test Connection Provide	s Next				
	Configuration Me Configuration Me Microsoft Deploymen Enter information aboo MDT Integration : SQL Server : SQL Server : SQL Database : Authentication mode : SQL User : SQL Password :	figmgrportal/_setup/default.aspx	figmgrportal/_setup/default.aspx	tfigmgrportal/_setup/default.aspx	c +	

- 17. If you are using **Windows Authentication** click the **Test Connection** button. If you are using SQL Authentication select this from the **Authentication mode** dropdown and enter the relevant details in the **SQL User** and **SQL Password** fields before clicking the **Test Connection** button.
 - **NOTE:** If you are using Windows Authentication, the IIS Application Pool identity configured in the Configuring the IIS Application Pool section is used to access the database.

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	Configuration Manager Portal Configuration Wizard	×				
	Microsoft Deployment Toolkit					
	Enter information about the MDT database.					
	MDT Integration : Enable MDT Integration					
	SQL Server : Primary SQL Database : MDT					
	Authentication mode : Windows Authentication					
	SQL User :					
	SQL Password :					
	Test Connection					
	Previous	Next				

If the connection is successful, you will see the message **Successfully connected to the MDT** database on SQL Server '<*server_name>*'.

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	SQL User : SQL server 'Primary'. SQL Password : Test Connection	Previous Next			

18. Click Next

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	Microsoft Deploymer	nt Toolkit					
	Enter information abo MDT Integration : SQL Server : SQL Database : Authentication mode : SQL User : SQL Password :	al the MDT database.	Next				

- 19. On the Administrators Group page, in the AD Group/User field enter the name of the Active Directory group/user that will have full access to the Portal in the format <domain>\<name> or <server_name>\<name>
 - **NOTE:** The validation of this group is performed using the IIS Application Pool identity configured in the Configuring the IIS Application Pool section.

It is recommended that the user running the Portal Configuration Wizard is a member of this group.

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	Cireson Portal for Configuration Manager					
	Configuration Manager Portal Configuration Wizard	×				
-	Administrators Group					
	Enter the name of the AD Group/User that will be granted complete access to the portal. AD Group/User : iresoniCireson CM Portal Admins. Validate Membership Validate Membership					
	Previous	Next				

20. Click Validate Membership



If the validation is successful, you will see the message **Current user '<domain>\<user_name>'** is a member of one or more of the specified Active Directory groups.

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	Cir	reson	Portal for Confi	guration N	lanager					
	Configuration	Manage	Portal Configuration Wize	ard		×				
	Administrators G	Broup								
	Enter the name o	f the AD Grou	p/User that will be granted complete	e access to the portal.						
	AD Group/User :	CIRESON	Cireson CM Portal Adm							
			Portal Information Current user 'CIRESON/Cireson member of one or more of the sp Directory groups.	CM Portal' is a ecified Active	Previous	Next				

21. Click Next

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			Cir	reson	Porta	al for (Confi	igura	tion N	Mana	ger						
			Configuration	Manage	er Portal (Configurati	tion Wiz	ard				;	ĸ				
			Administrators C	Group													
			Enter the name o	f the AD Gro	up/User tha	t will be grante	ed complete	e access to	the portal.								
			AD Group/User :		Cireson CM	Portal Adm											
					Portal In Current member Director	formation user 'CIRESO of one or mor y groups.	DN\Cireson re of the sp	CM Portal' becified Acti	is a ve	Previo	ous	Next					

22. Click Finish on the Wizard Complete page to complete the installation of the Portal.





The **Cireson Portal for Configuration Manager** page will then be displayed.

Installing the Caching Service

The ConfigMgr Portal uses a caching service to query information from the ConfigMgr database and insert it into the ConfigMgr Portal database. By default, the Caching Service installs to **C:\Program Files\Cireson\Portal for Configuration Manager\Services.**

To install the Portal Caching Service:

- 1. Logon to the server that is hosting the Portal.
- Run either Cireson ConfigMgr Portal Service x64.msi or Cireson ConfigMgr Portal Service x86.msi depending on the architecture of the machine you are running which will start the Cireson ConfigMgr Portal Service Setup installation.

🖞 Cireson	ConfigMgr Portal Service Setup 🛛 🗕 🗖 🗙
	Please read the Cireson ConfigMgr Portal Service License Agreement
cireson	End User License Agreement v1.3
	Please read the following terms and
	conditions carefully as they describe your
	right to use the Software Applications. By
	clicking "accept" and using the Software
	Applications, you accept these terms and
	conditions and enter into a legally binding
	agreement ("Agreement") with Cireson, LLC
	("Cireson," "us," "our" or "we") on behalf of
	vourself and your organization. You should 🛛 🗡
	☑ I accept the terms in the License Agreement
Print	Back Install Cancel

3. Select the I accept the terms in the License Agreement checkbox.

4. Click Install

🖞 Cireson	ConfigMgr Portal Service Setup 🛛 🗕 🗖 🗙
	Please read the Cireson ConfigMgr Portal Service License Agreement
cireson	End User License Agreement v1.3
	Please read the following terms and conditions carefully as they describe your right to use the Software Applications. By clicking "accept" and using the Software Applications, you accept these terms and conditions and enter into a legally binding agreement ("Agreement") with Cireson, LLC ("Cireson," "us," "our" or "we") on behalf of
	☑ I accept the terms in the License Agreement
Print	Back Install Cancel

5. Click **Yes** on the **User Account Control** dialog box if it is displayed.

•		User Account Control	x						
1	Do you want unknown puł	Do you want to allow the following program from an unknown publisher to make changes to this computer?							
	Program name: Publisher: File origin:	C:\Users\CM Admin\Desktop\ConfigMgr Portal Service Installer\Cireson ConfigMgr Portal Service x64.msi Unknown Hard drive on this computer							
⊗ s	how details	Yes No							
		Change when these notifications ap	<u>pear</u>						

Setup will then install the Cireson ConfigMgr Portal Service.

Once the installation has completed, the **Completed the Cireson ConfigMgr Portal Service Setup Wizard** screen will be displayed.

Cireson	ConfigMgr Portal Service Setup 📃 🗖 🗙
O cireson your system center experts	Completed the Cireson ConfigMgr Portal Service Setup Wizard Click the Finish button to exit the Setup Wizard.
	Back Finish Cancel

6. Click **Finish** to close setup wizard.

😥 Cireson	ConfigMgr Portal Service Setup 🛛 🗕 🗖 🗙
Cireson	Completed the Cireson ConfigMgr Portal Service Setup Wizard
	Click the Finish button to exit the Setup Wizard.
	Back Finish Cancel

- 7. Navigate to the location where the Caching Service was installed (by default C:\Program Files\Cireson\Portal for Configuration Manager\Services).
- 8. Open the XML Configuration file called **ConfigMgr Portal Hosting Service.exe.config** in Notepad.

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File Home Share	View				~ ()					
🔆 Favorites	Name	Date modified	Туре	Size	^					
E Desktop	鷆 logs	15/02/2017 10:21	File folder		_					
🗼 Downloads	AdminUI.AppManFoundation.dll	10/03/2017 00:34	Application extens	108 KB	=					
🔢 Recent places	AdminUI.DcmObjectWrapper.dll	10/03/2017 00:34	Application extens	129 KB						
	🚳 AdminUI.WqlQueryEngine.dll	10/03/2017 00:34	Application extens	90 KB						
👰 This PC	CodeEngine.Framework.dll	10/03/2017 00:34	Application extens	88 KB						
	🗟 ConfigMgr Portal Caching Service.dll	10/03/2017 00:34	Application extens	88 KB						
📬 Network	ConfigMgr Portal Deployment Service.dll	10/03/2017 00:34	Application extens	42 KB						
	ConfigMgr Portal Hosting Service	10/03/2017 00:34	Application	42 KB						
	ConfigMgr Portal Hosting Service.exe	10/03/2017 00:34	CONFIG File	4 KB	~					
26 items 1 item selected	3.92 KB				:==					

9. Verify that the **BaseFolder** key is set correctly to the path of the Portal files, for example C:\Inetpub\ConfigMgr Portal



10. Start Services.msc and verify that the Cireson ConfigMgr Portal Hosting Service is running. If it is not start it.

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🌼 Services (Local)	Name 🔺	Description	Status	Startup Type	Log On As	^
	Application Management	Processes in		Manual	Local Syste	
	AppX Deployment Service (AppXSVC)	Provides inf		Manual	Local Syste	=
	ASP.NET State Service	Provides su		Manual	Network S	_
	Background Intelligent Transfer Service	Transfers fil	Running	Manual	Local Syste	
	Background Tasks Infrastructure Service	Windows in	Running	Automatic	Local Syste	
	🔍 Base Filtering Engine	The Base Fil	Running	Automatic	Local Service	
	🔍 Certificate Propagation	Copies user	Running	Manual	Local Syste	
	🙀 Cireson ConfigMgr Portal Hosting Service		Running		Local Syste	
	🖓 CNG Key Isolation	The CNG ke	Running	Manual (Trig	Local Syste	
	端 COM+ Event System	Supports Sy	Running	Automatic	Local Service	
	端 COM+ System Application	Manages th	Running	Manual	Local Syste	
	🔍 Computer Browser	Maintains a		Disabled	Local Syste	
	🔍 ConfigMgr Task Sequence Agent	ConfigMgr N		Manual	Local Syste	
	🔍 Configuration Manager Remote Control	Provides th		Disabled	Local Syste	
	CONFIGURATION_MANAGER_UPDATE		Running	Automatic	Local Syste	
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	🖏 Cryptographic Services	Provides thr	Running	Automatic	Network S	
	COM Server Process Launcher	The DCOM	Running	Automatic	Local Syste	~
	Extended Standard					

This completes the installation of the Cireson ConfigMgr Portal. The next section looks at the post installation configuration tasks that need to be completed.

Post Installation Configuration

Now that the Portal has been installed, there are a few post installation configuration steps that need to be completed as detailed in this section.

To complete the Portal post installation configuration steps:

- 1. Start a browser and connect to the Portal (<u>http://configmgrportal/default.aspx</u>).
- 2. Using the dropdown beside the logged on username, navigate to **Configuration Manager Settings**



3. Verify that the settings under both the **Configuration Manager Server** and **Database Settings For Configuration Manager** sections are configured correctly, correcting then saving them if required.

ightarrow Configuration Manager $ imes$ $+$							-	٥	×	
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ConfigMgr Portal	ConfigMgr Portal						N\Cireson	n CM Porta	il 🕶	
Configuration Mana	iger Sett	ings								
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HOT ROLES	er Role-Based	I Administration								
Database Settings For Configura	ation Manager]						
SQL Server\Instance :		Primary								
EVENTS Database :		CM_CIR								
Authentication Mode :		Windows Authentication	•	1						
SQL Username :										
Password :				Test Connection						
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4. Using the dropdown beside the logged on username, navigate to Service Settings



5. Click the Service Tasks tab.

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	S	ervice Settin	ıgs								
USERS	5	Registered Services	Service Tasks								
	1	D ServiceName	ServerName	Created	Version	HeartBeat	ConfigLocation				
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NEW

6. Select the required setting you wish to configure from the **Tasks** dropdown.

Services	Settings - Cires \times +			-	٥	×				
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	Service Settings									
USERS	Registered Services Service Tasks									
TASK SEQUENCES	Scheduled Task Settings									
	Taska: Get Every: Get Every: Auto Up, Computer Auto Ca Serve Cit ComponentScope Generation Generation ComponentScope ComponentScope									
🔁 NEW										

7. Configure how often the Portal should query the ConfigMgr database for the relevant data then click **Save Changes.**

Task	Default Frequency of Every
Group	1 hour
User	20 minutes
Computer	10 minutes
Software	24 hours
DeploymentScope	4 hours

The default frequencies are shown in the table below:

8. Repeat Steps 6 and 7 as required for the other objects you wish to configure.

Verifying the Portal is Working Correctly

The final part of the process is to verify that the Portal is actually able to successfully retrieve data from the ConfigMgr database.

To verify the Portal can successfully retrieve data from the ConfigMgr database:

 Start a browser and connect to the Portal (<u>http://configmgrPortal</u>). The Cireson Portal for Configuration Manager will be displayed.



2. From the **Navigation** menu select an option to display the data retrieved from the ConfigMgr database by the Portal. For example, to retrieve a list of computers navigate to **Computers**



3. Verify the Portal shows only installed ConfigMgr Clients (which is how the default **Standard Computer View** for computers is configured).

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ConfigM	gr Portal									CIRESO	N\Ciresor	CM Port	al 👻
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USERS	Name	State	Domain	Operating System			MAC Address	Is Virtual	Present In CM	Client			Т
	Filte	r Filte	Filter	Filter			Filter	No Filte	No Filter	No F	ilter 🔻		
SOFTWARE		Y Active	CIRESON	Microsoft Window	s Server 2012 R2 Standard		00:15:5D:00:03:B4;	True	True	True			
	WIN7	Active	CIRESON	Microsoft Window	s 7 Enterprise		00:15:5D:00:03:87;	True	True	True			
TASK	WIN10	Active	CIRESON	Microsoft Window	s 10 Enterprise		00:15:5D:00:03:86;	True	True	True			
NOT ROLES REPORTS													×
EVENTS		٦											~
	Overview	MDT Co	nfiguration Manager	Primary Users	OSD Readiness	MDT	Roles Deploymer	nts Avai	ilable Software				
		Add/Remove	Programs										
	Computer Na	me: N/A											
	Operating Sys	item : N/A											
	Creation Date	N/A											
	ConfigMgr Re	source ID : N/A											
😁 NEW	MDT ID :	N/A											

NOTE: The primary purpose of the Cireson ConfigMgr Portal is for deployment purposes so it defaults to only showing computers you can deploy to i.e. have the ConfigMgr Client installed.

It is possible to create custom views for example to show discovered resources, or those marked as obsolete and even decommissioned computers.

Details of how to create custom views can be found in the Administrators Guide.

This completes the post installation configuration of the Portal.

Backup and Restore

This section details how to backup and restore the Portal.

Backing up the Portal

Backing up the Portal is simply a case of making sure that the following are backed up on a regular basis:

- Portal SQL database
- Directory containing the Portal files from the server where the Portal is installed for example C:\Inetpub\ConfigMgr Portal²

Restoring the Portal

Should you need to restore the Portal for any reason the restore process is a two-step procedure:

- 1. **Restoring the SQL Backup** The most recent backup of the Portal database should be restored and then checks run using this guide to ensure the security rights are still present.
- Restoring the ConfigMgr Portal folder structure The next step is to restore the most recent backup of the Portal folder structure (for example C:\Inetpub\ConfigMgr Portal). Alternatively recreate the installation directory as detailed in the Create and configure a new Website section then overwrite the Configuration.xml and Web.config files created in this directory with the one from the most recent backup.

² At a minimum, the **Configuration.xml** and **Web.config** files needs to be backed up.

Upgrading from Pre-release Versions

This section details how to upgrade the Cireson Portal for Configuration Manager from pre-release versions.

NOTE: If you are running a pre-release version of the Cireson Portal for Configuration Manager, this section provides the necessary steps to upgrade to the current release.

If this is a new installation of the Cireson Portal for Configuration Manager, follow the procedures in the 'Installation Guide.PDF' included in the CMP Build.zip download.

Upgrade Procedure

To upgrade from previous versions to the current version:

- 1. Extract the CMP Build.zip file to a temporary folder
 - a. This zip file contains the following files:
 - i. Release Notes.html (the release notes for this build)
 - ii. Installation Guide.PDF (the installation instructions for new installs)
 - iii. **ConfigMgr Portal.zip** (the installation files for the website)
 - iv. **ConfigMgr Portal Service Installers.zip** (the Windows Installer files for the Cireson ConfigMgr Portal Hosting Service installation)
 - v. Upgrade Guide.PDF (this document)
- 2. Stop the Portal web site via Internet Information Services Manager
 - a. This should not be necessary, but it doesn't hurt to do so $\ensuremath{\mathfrak{O}}$
- 3. Copy your existing Configuration.xml file from your installation location (for example,
 - C:\Inetpub\ConfigMgr Portal) to a backup location
 - a. This file will be overwritten during the upgrade and you will want to have your version of the file to restore later as it contains the configuration of your implementation of the Cireson Portal for Configuration Manager
- 4. From Control Panel, uninstall the Cireson ConfigMgr Portal Service
 - a. This service needs to be upgraded, so uninstall the existing one and in a later step, you will install the newer version of the service
- 5. Extract the contents of the **ConfigMgr Portal.zip** from the temporary folder to your web site installation folder (such as **C:\Inetpub\ConfigMgr Portal**)
 - a. You will be prompted to replace a large number of files (over 1,700), which you should allow to complete
- 6. Copy your original **Configuration.xml** file copied in Step 3 to the web site installation folder (such as **C:\Inetpub\ConfigMgr Portal**) overwriting the new version of the file
 - a. You will need to replace the new **Configuration.xml** with your own so that you don't have to reconfigure a number of settings you had previously completed
- 7. Ensure that your IIS application pool account has **Modify** rights to the web site installation folder (such as **C:\Inetpub\ConfigMgr Portal**)
 - a. In the pre-release installation document, it was only listed as needing **Read** rights to the folder, and **Modify** rights to a couple of files. You now should ensure that the account has **Modify** rights to the entire folder and all files and subfolders.
- 8. On the SQL Server computer that is hosting your Cireson Portal for Configuration Manager database, start **SQL Server Management Studio**

- a. Select the Cireson Portal for Configuration Manager database, and then execute the two SQL scripts that are provided with the Preview 2 release that are now in your
 C:\Inetpub\ConfigMgr Portal_Setup\Database folder):
 - i. dbTables.sql
 - ii. dbData.sql
- b. Executing these two scripts is necessary due to database schema changes from the initial Preview release
- 9. Extract the **ConfigMgr Portal Service Installers.zip** to a temporary folder, and then run the appropriate Windows Installer file to install either the 64-bit or 32-bit service
 - a. The Cireson ConfigMgr Portal Service has changed from the preview release so needs to be reinstalled
- 10. From the C:\Program Files\Cireson\Portal for Configuration Manager\Services folder, open the ConfigMgr Portal Hosting Service.exe.config file in Notepad and verify that the "BaseFolder" value is correct for your web site installation
 - a. The default path is set to C:\Inetpub\ConfigMgr Portal. If this is not your web site installation folder, set the "BaseFolder" value to reflect your installation
- 11. Start the Cireson ConfigMgr Portal Hosting Service
 - a. Verify the log files for the service in the
 - C:\Program Files\Cireson\Portal for Configuration Manager\Services\logs folder
 - i. **hostingService.log** (should indicate that the service found your server and database and started successfully)
 - ii. **CachingService.log** (should see it identifying computers, users and software for your environment)
- 12. Start the Portal web site via Internet Information Services Manager
- a. If you stopped the web site in Step 2, then you need to start it again to use it \odot
- 13. Verify your version now visible within the Portal:
 - a. Start your browser
 - b. Log into the Portal web site
 - c. In the upper right corner of the Portal, hover the mouse over your logged-on user name
 - d. In the Settings menu that appears below your name, click General Settings
 - e. In the General Settings page, expand the "Product Version" section at the bottom
 i. The Version should display as 3.0.1.501

Upon upgrade, the Caching Service will automatically perform a full update cycle just as if it were a new installation. This is done to retrieve any new values for existing objects that are now implemented through database schema changes.

As you upgrade, if your trial license has expired, you will be prompted to supply a new license key, which will automatically take you to the **Configuration Manager Portal Configuration Wizard** where you can enter the new license key that you'd receive from the Cireson sales team.

With that, you should be all set and ready to enjoy all the new features and functions in the latest release of the Cireson Portal for Configuration Manager. If you have not already done so, please be sure to read the included Release Notes as well. That document will note any important known issues in this release, as well as listing new features and capabilities for your testing.