Here is how I went from install to provisioning with SCS 7:

Step 1:

I went to the Intel SCS Download page and grabbed the latest version of SCS 7

IntelAMTSCS					_ 🗆 ×
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Organize 🔻 Include in libra	ry ▼ Share with ▼ Burn New folder			==	- 🗔 🕐
🔆 Favorites	Name *	Date modified	Туре	Size	
Desktop	ACU_Configurator	10/20/2011 9:47 AM	File folder		
Downloads	ACU_Wizard	10/20/2011 9:47 AM	File folder		
Recent Places	\mu RCS	10/20/2011 9:47 AM	File folder		
📜 Libraries	isample_files	10/20/2011 9:47 AM	File folder		
Documents	SCS_Discovery	10/20/2011 9:47 AM	File folder		
J Music	퉬 Source_Kit	10/20/2011 9:47 AM	File folder		
Pictures	📭 bg_page	7/14/2010 12:21 PM	PNG image	1 KB	
Videos	Intel(R)_SCS_7.1_Release_Notes.pdf	6/23/2011 1:19 PM	PDF File	477 KB	
	Intel(R)_SCS_7.1_Start_Here	6/9/2011 10:05 AM	HTML Document	8 KB	
Computer	Intel(R)_SCS_7.1_User_Guide.pdf	6/22/2011 10:40 PM	PDF File	2,665 KB	
Shared Folders (\\.hos					
辑 Network					
	5	2			
	· · · · · · · · · · · · · · · · · · ·	,			
10 items					

Then I installed RCS on a fresh build of Windows Server 2008



Making sure I selected both:

Intel(R) Setup and Configuration Service - InstallShield Wizard

Welcome

	Welcome to Service (Inte	the InstallShield Wizard of the Intel(R) Setup and Configuration el(R) SCS 7.1)
	The Intel SCS I Technology (In This wizard lets	ets you automatically configure computers that contain Intel(R) Active Management tel(R) AMT). : you install these Intel SCS 7.1 components:
	V Service:	Install (on this computer) a Windows* Service that processes legacy configuration/un-configuration requests on Intel AMT systems.
	🔽 Wizard:	Install (on this computer) a wizard that can connect to the Service(s) installed on any computer. You can use this wizard to create configuration profiles.
	Note: Only com	ponents with the same version number can communicate with each other.
[nsta][Shield		< Back Next >

X

For the service account, I just used my admin account:

Intel(R) Setup and	Configuration Service - InstallShield Wizard
--------------------	--

Service Logon Authentication

	Specify the Win accounts must User name: Password:	ndows NT* user account that will be used to run be in the format DOMAIN\Username. AMT\administrator	n the service on this computer. User
InstallShield		< <u>B</u> ack <u>N</u> ext >	<u>C</u> ancel

X

Clicked through the next few pages:

Then clicked finish:

Intel(R) Setu	p and Confi	juration Service - InstallShield Wizard	
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InstallShield Wizard Complete

Next you will see a few services starting, and finally the Intel SCS wizard will appear:



Since we are on the server, we will ignore "Configure/Unconfigure this system" And just select "Create Settings to Configure Multiple Systems"

The wizard now connects to the local "RCS" and we are ready to start creating the profile that will be used to configure our systems: I hit new:

Intel(R) Active M	anagement Techn	ology Profile Desi	igner				_ 🗆
le <u>E</u> dit <u>T</u> ools							
Server:	(Local)		-	-	Back	Close	?
New	Duplicate	🗶 🗐 Delete	Edit		•	L Export to XML	
Profiles		Profile Detail	ls				
		Y					
hese profiles are st	ored in the RCS.						

And now we can start creating the profile:

I will leave the settings at default:

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	Gettind	Started

Getting Started
Profile Scope

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-	-		~	•••					-	-

```
AD Integration
```

Access Control List

Home Domains

Remote Access

Transport Layer Security

Network Configuration

System Settings

Finish

?

Welcome!
This wizard creates a profile to configure multiple systems that are enabled with Intel® Active Management Technology. The profile determines the management settings of the systems. These settings will be applied to all systems configured with this profile.
Profile Description
Profile Name: Profile1
Description:
This profile will be used for:
 Configuration / Reconfiguration All Intel AMT settings on the system will be set exactly as defined in this profile.
O Delta Configuration
For configured systems, you can limit the profile scope so that only some Intel AMT setting: will be changed. All other settings will remain in their current condition.

< Back

Next >

Cancel

Modify Optional Settings

The next screen allows you to select all the features you want to enable / configure:

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For my test case (since you mentioned you were using AD) I will check that box

I will also create an ACL

Optional Settings

Getting Started

Profile Scope

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Optional Settings

AD Integration

Access Control List

Home Domains

Remote Access

Transport Layer Security

Network Configuration

System Settings

Finish

Select the settings that you want to configure. On configured synthesis that are not selected will be removed from the system during co	stems, setting onfiguration.	IS	
Active Directory Integration Allow the Intel® AMT systems to use security features of the Active Dir	ectory		
Access Control List (ACL) Assign customized access levels to the systems based on users and gra	oups		
Home Domains Define trusted domains where the Intel® AMT functionality will be available.	ilable		
Remote Access Enable Intel® AMT systems outside of the enterprise network to comm management consoles via a Management Presence Server (MPS)	nunicate with		
Transport Layer Security (TLS) Use the TLS protocol to encrypt and authenticate communication with	the systems		
 Network Configuration Select at least one of the following items: WiFi Connection WiFi petwork settings 			
Wired 802.1x Authentication 802.1x authentication settings for wired LAN only			
End-Point Access Control (EAC) EAC settings used to authenticate system status			
	< <u>B</u> ack	Next >	Cancel

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🚮 Configuration Profile Wizard: Pr	ofile1	×
Optional Settin	ngs: Active Directory Integration	
Getting Started Profile Scope Optional Settings <u>AD Integration</u> Access Control List Home Domains Remote Access Transport Layer Security Network Configuration System Settings Finish	Active Directory Integration Active Directory OU: Path to file containing ADOU information: 	
	Modify Optional Settings	< <u>B</u> ack (<u>Next</u> >) <u>C</u> ancel

It's now asking me for an OU to store the AD objects that will enable Kerberos Authentication

I now have to go to my Domain Controller and create a unique OU to hold the objects.

Here we can see that I created an OU called "vPro" and I made sure to grant Full Control to the account we used to run the RCS Service (in this case I used a domain admin account, but in a real environment you would simply create a process account and grant it permissions)

Now that we have our OU, we can select it:

	1						
-		Cont	nurat	2000	ewc	7a 1/1 - 1	Profile1
			Iguiuu		~ •••		

Optional Settin	ngs: Active Directory Integration
Getting Started Profile Scope Optional Settings AD Integration Access Control List Home Domains Remote Access Transport Layer Security Network Configuration System Settings Finish	Active Directory OU: Image: Constraining ADOU information: Image: Constraining ADOU information: Image: Constraining ADOU information: Image: Constraining ADOU informa
	Modify Optional Settings < Back Next > Cancel

Then I hit next:

For the ACL, I am just going to add my domain admin user and grant them full permissions

<table-of-contents> User/Group Detail</table-of-contents>	s 📃 🕺
User Type:	O Digest User 💿 Active Directory User/Group
User/Group Name: (MT.INTERNAL (Administrator Browse
Access Type:	Remote
Realms:	Redirection PT Administration Hardware Asset Remote Control Storage Event Manager Storage Administration Agent Presence Remote
	OK Cancel

Now when I access that configured AMT system, it will only grant that account access to the AMT features.

I hit next:

And for the demo I am just going to enter the new MEBX password (used for local access)

And specify a remote admin password (you want to be sure you do not select Random option here) (Will be used to access the system remotely via digest user: Admin)

🔂 Configuration Profile Wizard: Pr	ofile1
System Setting	gs
Getting Started Profile Scope Optional Settings AD Integration Access Control List Home Domains Remote Access Transport Layer Security Network Configuration System Settings Finish	Hanagement Interfaces Select which management interfaces to enable: Web UI Serial Over LAN IDE Redirection KVM Redirection KVM Settings RFB Password for KVM sessions:
	Modify Optional Settings Cancel

🛃 Configuration Profile Wizard: Pr	ofile1	
Finish		
Getting Started Profile Scope Optional Settings AD Integration Access Control List Home Domains Remote Access Transport Layer Security Network Configuration System Settings Finish	Click Finish to save this profile.	
	Modify Optional Settings	< Back (Finish) Cancel

Now I have the profile created on the RCS server itself:



One last step (because I do not want to have to touch each system) is to obtain a Remote Provisioning Certificate from an external cert vendor and install it:



amt.internal....

Certificate Import Wizard

Password



Type the password for the private key.

Password:

.....

- Enable strong private key protection. You will be prompted every time the private key is used by an application if you enable this option.
- Mark this key as exportable. This will allow you to back up or transport your keys at a later time.
- 🔽 Indu

Learn more abou

ude all extended properties.			
ut protecting private keys			
	< Back	Next >	Cancel

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Gonsole1 - [Console Root\Certificates - Current User\Personal\Certificates]						
File Action View Favorites Window Help					_ 8 ×	
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Console Root	Issued To 🔺	Issued By	Expiration Date	Intended Purpo	Actions	
🗉 🙀 Certificates (Local Computer)	Go Daddy Class 2 Certification Au	Go Daddy Class 2 Certification Auth	6/29/2034	Server Authent	Certificates	
Certificates - Current User	Go Daddy Secure Certification Aut	Go Daddy Class 2 Certification Auth	11/15/2026	<all></all>	Marc Astings	
Personal Certificates	provisionserver.amt.internal	Go Daddy Secure Certification Autho	1/22/2012	Server Authent	More Actions	•
Trusted Root Certification Au						
Certificates						
🕀 🚞 Enterprise Trust						
Intermediate Certification Aut Intermediate Certification Aut						
Active Directory User Object						
Intrusted Publishers Intrusted Certificates						
Third-Party Root Certification						
🕀 🧮 Trusted People						
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	1					
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					J	
Personal store contains 3 certificates.						

For the cert, we also want to make sure that we have the entire "Chain" in the Current User Trusted Root Certification Authority

🚡 File Action View Favorites W	/indow Help					_ 8 ×
🗢 🔿 📅 🗐 📋 🗠 😹						
 Console Root 	Issued To 🔺	Issued By amt-WIN2K8X64-DC-CA	Expiration Date 4/7/2016	In </th <th>Actions Certificates</th> <th></th>	Actions Certificates	
 Certificates (Colar Computer) Certificates - Current User Personal Certificates Trusted Root Certification Aut Certificates Enterprise Trust Intermediate Certification Aut Active Directory User Object Trusted Publishers Untrusted Certificates Third-Party Root Certification Trusted People Smart Card Trusted Roots 	Class 3 Public Primary Certification Authority Class 3 Public Primary Certification Authority Copyright (c) 1997 Microsoft Corp. Equifax Secure Certificate Authority Go Daddy Class 2 Certification Authority Go Daddy Secure Certification Authority GTE CyberTrust Global Root Microsoft Authenticode(tm) Root Authority Microsoft Root Authority Microsoft Root Certificate Authority NO LIABILITY ACCEPTED, (c)97 VeriSign, Inc. Thawte Timestamping CA	amt-WIN2K8X64-DC-CA Class 3 Public Primary Certification A Copyright (c) 1997 Microsoft Corp. Equifax Secure Certificate Authority Go Daddy Class 2 Certification Auth Go Daddy Class 2 Certification Auth GTE CyberTrust Global Root Microsoft Authenticode(tm) Root Au Microsoft Root Authority Microsoft Root Certificate Authority NO LIABILITY ACCEPTED, (c)97 Veri Thawte Timestamping CA	4/7/2016 8/1/2028 1/7/2004 12/30/1999 8/22/2018 6/29/2034 11/15/2026 8/13/2018 12/31/1999 12/31/2020 5/9/2021 1/7/2004 12/31/2020	<≀ Se Se Se Se Se Tir Tir	Certificates More Actions	
۲	•			Þ		

Now we have the RCS server configured and waiting for clients to call in to provision..

Now we will go to one of our systems and make sure we have the Intel Management and Security Status icon on our AMT Client:

You can download the IMSS application / AMT Drivers etc.. from your OEM. for example here it is on Dell's website for this e6410 machine:

<

Intel AMT HECI

Release Date:	7/6/2011	
Version:	6.2.0.1022, A05	
Download Type:	Driver	Other Versions
File Format:	Hard Drive	
File Size:	10 MB	
Download		

- Add To Download List
- Sign In to View My Saved Downloads

Now I will copy over the "ACU Configurator" to one of my machines and open a command prompt





I run the command (specifying my user and password) and the system is configured.

I can check the status by opening the IMSS icon:

z	Intel®	Managen	nent and	Security	Status
---	--------	---------	----------	----------	--------

Intel® Management and Security Status						
General Intel® AMT Advanced						
What is Intel® Management Engine?						
Intel® Management Engine is an additional component that enables management and security features on your computer.						
Intel® Management Engine						
Status:	Configured					
Firmware Version:	6.1.0.1042					
Secure Output Window Settings						
The secure output service is intended to display messages from the Intel® Management Engine to the user.						
Message Language	English 👻					
Message Size	Regular					
View details per Network Connection Network Information						
View more details related to the Intel® Management Engine Extended System De						
2 Learn more	OK Cancel Apply					

Now I can connect to the machine using PowerShell.