

## Questions from TechNet Webcast: Deploying System Center Configuration Manager 2007 Clients (Level 300)

Question: Is this the same Webcast as Monday's?

Answer: No, Monday's session dealt with site planning and setup, this session is focused on client deployment.

Question: Did Wally just say that ccmsetup.exe will install BITS if necessary?

Answer: Yes, that's correct.

Question: Can an SCCM 2007 client be predeployed to all workstations before upgrading the sites from SMS 2003 to SCCM 2007?

Answer: Technically, you can run client upgrade independent of the site upgrade, however Config Mgr 2007 clients can NOT be assigned to SMS 2003 sites, so it would be best to upgrade your site first, then upgrade/assign your clients via software distribution or other method.

Question: Will XP/2003 based clients require an upgrade to BITS 3.0, or will BITS 2.5 suffice?

Answer: BITS 2.5 is sufficient and will be installed by client install/upgrade.

Question: will there be a session on the new methods of security patch deployments?

Answer: Yes, don't know if/when it is scheduled but it is planned.

Question: Is reboot on win2000 when installing BITS 2.0 forced or can wait until normal machine restart

Answer: ccmsetup will wait until a normal restart has taken place

Question: I'm assuming the reboot requirement for installing BITS 2.0 exists for Windows 2000 Server platforms as well?

Answer: Yes, that is correct

Question: These requirements/components are part of ccmsetup.exe, or will the client download these from the Internet or Site Server

Answer: Everything being discussed is installed by ccmsetup

Question: Is BITS 2.5 compatible with W2K? If so, why not install that during client install instead of 2.0? It would save waiting for the reboot.

Answer: I don't think it is - I think that's the reason version 2.0 is installed on Windows 2000.

Question: One slide mentioned ccmsetup.msi and the last one mentioned ccmsetup.exe. Are there two different installation types? Could you provide a little more detail?

Answer: ccmsetup.msi is used to install the client using GPO, ccmsetup.exe is used to install the client manually or through a server push method.

Question: Can BITS 3.0 be installed on XP/2003?

Answer: As far as I'm aware, BITS 3.0 is only part of Windows Vista and Windows Server 2008.

Question: Can you force BITS 3.0 to install on XP systems?

Answer: As far as I'm aware, BITS 3.0 is only part of Windows Vista and Windows Server 2008.

Question: Which of these components needs to be predeployed before doing client deployment, or are they all installed as part of the client deployment?

Answer: All the ones he's mentioned in the last few slides are installed by CCMSETUP.EXE and are included with our client binaries.

Question: Can the SMS 2003 client and the SCCM client coexist on the same workstation/server?

Answer: No, they are mutually exclusive, if you try to install Config Mgr 2007 client on an SMS 2003 client, it will be upgraded.

Question: Comment: Probably would be best to prestage the BITS/MSXML6/Windows Installer 3.1 v2 a few days/weeks before your scheduled SCCM 2007 client deployment.

Answer: Not a bad idea for stuff that requires a restart if you'd like to perform things in stages.

Question: Are the SCCM 2007 AD schema extensions compatible with the SMS 2003 AD schema extensions? i.e. can I extend the AD schema for SCCM before upgrading my SMS 2003 site?

Answer: Yes, we use some of the schema extensions that exist in 2003 for SCCM 07 as well. We do not decrement any of the SMS 2003 functionality when we update the schema for SCCM 07.

Question: Can a SMS2003 site and a separate SCCM 07 site coexist in the same AD domain?

Answer: Yes

Question: Does an SMS 2003 client that is reassigned to a SCCM 2007 retain all the functionality that it used to have when it was pointed to an SMS 2003 site? In other words, can our SMS admins do everything that they are used to doing in the interim time before the clients get upgraded?

Answer: Yes - In some cases the tasks are done in different ways however (Software Updates, for example is a different administrator UI experience).

Question: a recap from the last session mixed mode is for implementations without PKI or Internet client management?

Answer: Yes that is correct

Question: How can we get a verbose install log for client.msi when the install fails since now we cannot just run client.msi? We could run this before to get the verbose log: C:\>msiexec /i \\testsms03\smsclient\i386\client.msi /Lvx c:\windows\system32\ccmsetup\smsautosetup.log

Answer: You could use the registry:[HKEY\_LOCAL\_MACHINE\SOFTWARE\Policies\Microsoft\Windows\Installer]

"Debug"=dword:00000007 "Logging"="voicewarmup" In my experience however, ccmsetup.log and client.msi.log launched from ccmsetup.exe always provided enough detail to resolve client installation issues.

Question: can you have your own internal certificate authority or does it need to be from external?

Answer: You can use your internal CA

Question: Why would you be in Mixed Mode if your site only contains ConfigMgr 2007 clients?

Answer: If your organization does not have a PKI infrastructure you would not be able to implement native mode.

Question: "This site contains only SCCM 2007 clients" on the Site Mode tab - does this check box need be unchecked until all clients have been upgraded from SMS 2003?

Answer: Yes, or the SMS 2003 clients and unapproved clients will not receive policies with "secrets", including the client policy that includes the Client Network Access Account.

Question: If AD is available to all clients, does that mean that I don't need an Server Locator Point at all?

Answer: If: 1. AD is accessible to all clients and 2. You've extended the AD schema for Config Manager 2007, and 3. You are publishing your site(s) to Active Directory then you don't need an SLP.

Question: Sorry for the OT, but I couldn't find anywhere which summarises expected pricing.. Is this available yet?

Answer: Sorry, not available yet. Please check when the product is released.

Question: Is State Migration only used in an environment that only uses Vista?

Answer: If you are referring to User State Migration in OS Deployment: No. You can use State Migration via the User State Migration Toolkit to migrate user settings to/from other Windows Operating Systems, primarily Windows XP, but I believe migration from Windows 2000 Workstation is also supported.

Question: What is a Fallback Status Point (FSP)?

Answer: A fallback status point in Configuration Manager 2007 is a site system role that is used to help administrators monitor client deployment and identify any problems encountered during installation or assignment. It is also used to help identify clients that are unmanaged because they have problems communicating with their management point, which is particularly relevant for when the site is operating in native mode.

Question: In native mode approval is by certificate exchange only right? do you still get the option to block?

Answer: Correct. Approval is automatic in the certificate "trust". You can block machines even if they are approved.

Question: Comment: Sounds like it you can the SUP/WSUS to successfully deploy the SCCM client to WORKGROUP computers (e.g. non-domain/AD).

Answer: Well, that depends. When you publish ccmsetup to the WSUS server, it has no command line options. The client can get this in two ways if you don't specify a command line 1: Registry key 2: Published in AD. So you would have to populate each client's reg key with the appropriate ccmsetup command line options. We provide a group policy template for this to work with domain joined computers, but for workgroup computers it would need to be done manually.

Question: Does FSP replace the functionality of the SMS 2003 Client Health Feature Pack?

Answer: No, it's not the same functionality. The client health tool scanned the SMS site DB and MP to determine active, or "healthy" clients. The Fallback Status Point is an endpoint for clients that can't talk to their MP to report failures, as well as a place for ccmsetup to report client installation status.

Question: Can you set the SMSSITECODE back to AUTO if you want?

Answer: Sure.

Question: I noticed there was nothing about site boundaries as a prerequisite for client deployments or auto discovery. Is this correct and if so how do clients determine which site is in scope?

Answer: Good point. If you use SMSSITECODE=AUTO, you need to specify correct boundaries and make sure they're published.

Question: Is the group policy template provided in SCCM 2007 Beta 2?...If not, will it be in RC1?

Answer: No, not provided in Beta 2, but will be in RC1.

Question: What ios needed to run in "Native Mode"?

Answer: That's a big topic. Please see here as a starting point:

[http://www.microsoft.com/technet/prodtechnol/sms/smsv4/smsv4\\_help/1f6877cc-f9f6-4e3d-b01a-3e35f3d44178.mspx?mfr=true](http://www.microsoft.com/technet/prodtechnol/sms/smsv4/smsv4_help/1f6877cc-f9f6-4e3d-b01a-3e35f3d44178.mspx?mfr=true)

Question: Why wouldn't you just use the site system account to do the install to begin with? Why is it best practice to use a separate account?

Answer: You have the option to use either - this is just additional flexibility for scenarios where the machine account may not be able to be given admin rights to the target. I think cross-forest could be an issue for the machine account as well.

Question: Many of our servers do not have 5GB available for cache, but our workstation do. Do I have to set up two different sites in SCCM to push out clients with different cache sizes?

Answer: You don't have to setup different sites, you can specify different cache sizes via ccmsetup, e.g. CCMSetup.exe SMSCACHESIZE=<size in MB>

Question: What is the reason for changing the SMSSITECODE= AUTO to SMSSITECODE=<sitecode>

Answer: So there is no longer the concept of site boundaries and roaming boundaries, only boundaries. When specifying boundaries, the primary purpose is to identify behavior for content access by clients. Assignment and content access boundaries \*may\* align in some environments, but we saw that for many customers that was not necessarily true. By defaulting to the sitecode of the site, we ensure site assignment based on where the client push installation originated. You can change this, and if you upgrade from SMS 2003 it is left at AUTO.

Question: If the script for manual installation is created, all those switches must be written behind ccmsetup.exe or ccmsetup will also get switches from site settings?

Answer: If you're using a script, you should put the command line options in it.

Question: In which case does a client installation require a reboot? I was able to install SCCM clients without reboot.

Answer: By default the clients will not restart, even if required by one of the prerequisite components it will be suppressed. Usually the BITS install is what triggers the requirement. The deployment reports contain a column that indicates which computers require a restart to be fully functional. Also, you can override the no restart option via the ccmsetup command line (/forcereboot)

Question: Does SCCM 2007 have the functionality of SMS 2003 Client Health Feature Pack built in? Does this feature pack have to be uninstalled prior to upgrading a site from SMS 2003 to SCCM 2007?

Answer: No, the SMS 2003 Client Health Tool works on a Config Mgr site. No update at this point on availability of an updated version for Config Mgr 2007.

Question: Could SUP be used in this manner to push other required software in the environment (i.e. firewall software)?

Answer: Via the Updates Publisher functionality, you could publish custom or 3rd party updates to WSUS, which we would then sync with and could deploy. Out of the box we can scan for and deploy everything published in Microsoft Updates, and push our CCMSETUP client bootstrap via the SUP Client Installation Method.

Question: so the best method is to specify a site code regardless of which method? the alternative being site boundaries?

Answer: Two options: SMSSITECODE=<sitecode> on a per site basis, SMSSITECODE=AUTO on a per site basis. If you use AUTO, you lose the option of using AD published installation settings and must specify any other options via push installation properties or command line.

Question: Should your WSUS server reside on the SCCM server? Pros/cons?

Answer: It is supported, however like other site system roles you want to consider load and supportability. Moving it to a dedicated box or sharing with another site system role (like the MP) may make more sense, especially in larger environments.

Question: Will there be any special conditions required to upgrade clients which were originally installed with ccmsetup.msi as there were with 2003?

Answer: To use CCMSETUP.MSI, you must either publish your sites to AD or use group policy to provision the client's installation parameters.

Question: Can you have more than one WSUS server; more than one SUP? How many clients can a SUP handle?

Answer: You can have one active SUP server per site, or an NLB of SUPs. We expect a single SUP, properly sized, can support 25,000 clients. So in the case of a single site with 100,000 clients, you would have an active NLB with 4 WSUS servers behind it.

Question: What is with switch /native:CRL? Is CRL revocation checking optional or is mandatory? Can Client in native mode work without to check CRL?

Answer: Optional, it will work without it, but obviously that has to be weighed against the risk/benefits of not using it.

Question: If you have more than 200K clients in a central primary, does that mean a separate site hierarchy is needed? What if a 400K seat needs central reporting?

Answer: That's currently our limitation from a scale perspective. You'd have to data warehouse from the separate hierarchies if you wanted centralized reporting, or use some similar consolidation/aggregation method.

Question: Which option takes precedence for intranet WSUS server? GPO through AD or through SCCM site server?

Answer: You can only have one active Software Update Point in a site, and the client is always assigned via local policy (done by our agent) to use that Software Update Point.

Question: Perhaps my earlier question was somehow unclear. With 2003 we made the mistake of using a GP to install the clients using client.msi. In order to upgrade them to (I think) SP2 we couldn't directly upgrade them, we had to deinstall them first. Will this be necessary with Ops Mgr 07?

Answer: Oh, sorry. Yes, you should deinstall them first to be safe.

Question: As I understand from Wally you can set WSUS also through GPO? Will this overwrite whatever WSUS it was assigned to through the local policy?

Answer: Yes, Group Policy will overwrite local policy. The follow on to this is that after client installation via WSUS, you need to either filter out or remove the GPO object on the clients that have the client installed successfully if you want to use the Software Updates feature. Without this clients will not start their scan using the Config Mgr assigned (local policy) WSUS / SUP server. You could use a WMI filter on the Group Policy to accomplish this.

Question: Any support for Suse-Linux?

Answer: Not in the product, we have partners who offer add-ons to provide feature parity for other OSes, including Linux, Macintosh, etc.

Question: Deinstall "what" first?

Answer: Sorry, I don't understand the question - can you provide some context?

Question: is there a new better way to publish smsdef.mof with config changes to smsclients in sccm 2007?

Answer: This is handled automatically now - no need to send out a mofcomp like you do in SMS 2003.

Question: Does ccmsetup.msi have logic in it to only run once when you deploy it with Group Policy?

Answer: I thought Group Policy had this logic in it. When you deploy software via Group Policy, it only installs once that I'm aware of.

Question: Can we get this presentation for future review?

Answer: Yes, you can print to PDF, or you can go to the on-demand version of this presentation later (it will be posted tomorrow) to download the PPT.

Question: How does SCCM 2007 integrate/share data/etc with SCOM 2007?

Answer: The main functionality is the ability to put the Operation Manager agent on managed computers into "maintenance mode" so that they're not reported as down during a software installation or update.

Question: So how is SCCM 2007 solving the past problem with Overlapping Boundaries? How are you able to have clients at different boundary locations all be assigned to the same SCCM site and not have the overlapping boundary problem?

Answer: It doesn't solve the problem per se. If you plan on using auto assignment, you need to make sure you don't have overlapping boundaries published to AD, or you will get non-deterministic behavior for auto assignment. For content location, it is also not advisable to have overlapping boundaries within a hierarchy.

Question: Can BITS be pre-deployed via GPO?

Answer: I suppose you could use a "ZAP" based Software Installation policy (it's an .exe, not an MSI, so wouldn't support native MSI installation), or use a Machine Startup/Shutdown script.