

Nomad client settings

Summary

Installer properties and configuration file settings for the Nomad client module of the 1E Client, which is supported only on Windows computers.

On this page:

- [Nomad client settings](#)
 - [SNO_EVT_FINALSTATS notes](#)
 - [The Nomad Dashboard Latest Operations tiles](#)

Installer properties:

[Module.Nomad.Enabled](#) | [MODULE.NOMAD.AUTHENTICATEDUSERS](#) | [MODULE.NOMAD.BLOCKSIZE](#) | [MODULE.NOMAD.CACHECLEANCYCLEHRS](#) | [MODULE.NOMAD.CACHEPATH](#) | [MODULE.NOMAD.CERTISSUER](#) | [MODULE.NOMAD.CERTSUBJECT](#) | [MODULE.NOMAD.COMPATIBILITYFLAGS](#) | [MODULE.NOMAD.CONTENTPROVIDERONWIFI](#) | [MODULE.NOMAD.CONTENTREGISTRATION](#) | [MODULE.NOMAD.CONTENTREGSYNCCYCLEHRS](#) | [MODULE.NOMAD.CONTENTREGSYNCREQDELAY](#) | [MODULE.NOMAD.CONTENTREGSYNCBATCHSZ](#) | [MODULE.NOMAD.DEBUG](#) | [MODULE.NOMAD.DOWNLOADTIMEOUT](#) | [MODULE.NOMAD.DPNOTAVAILABLECODES](#) | [MODULE.NOMAD.ENFORCEQUOTAS](#) | [MODULE.NOMAD.GENERATEWEVENTS](#) | [MODULE.NOMAD.HAACKTIMEOUTMINS](#) | [MODULE.NOMAD.LOCALSSDSTAGGER](#) | [MODULE.NOMAD.LOGNAME](#) | [MODULE.NOMAD.LOGPATH](#) | [MODULE.NOMAD.MADCAPSCOPE](#) | [MODULE.NOMAD.MAXALLOCREQUEST](#) | [MODULE.NOMAD.MAXCACHEDAYS](#) | [MODULE.NOMAD.MAXCACHESIZEMB](#) | [MODULE.NOMAD.MAXCONCURRENCY](#) | [MODULE.NOMAD.MAXDEVICESFROMAE](#) | [MODULE.NOMAD.MAXIMUMMEGABYTE](#) | [MODULE.NOMAD.MAXLOGSIZE](#) | [MODULE.NOMAD.MAXPACKAGEFAST](#) | [MODULE.NOMAD.MAXPACKAGERAS](#) | [MODULE.NOMAD.MAXPACKAGESLOW](#) | [MODULE.NOMAD.MAXPACKETSPERSECOND](#) | [MODULE.NOMAD.MAXPRECACHEDAYS](#) | [MODULE.NOMAD.MAXSTATUSFREQUENCY](#) | [MODULE.NOMAD.MAXSUCACHEDAYS](#) | [MODULE.NOMAD.MULTICASTSUPPORT](#) | [MODULE.NOMAD.NOHARDLINK](#) | [MODULE.NOMAD.NOMADINHIBITEDADSITES](#) | [MODULE.NOMAD.PERCENTDELAYEDCONTENTREG](#) | [MODULE.NOMAD.P2PENABLED](#) | [MODULE.NOMAD.P2PHTTTPORT](#) | [MODULE.NOMAD.P2PHTTSPORT](#) | [MODULE.NOMAD.P2PSPORT](#) | [MODULE.NOMAD.P2PSSLSETTINGS](#) | [MODULE.NOMAD.PERCENTAVAILABLEDISK](#) | [MODULE.NOMAD.PERMITTEDLSZSHARES](#) | [MODULE.NOMAD.PERMITUNCACHED](#) | [MODULE.NOMAD.PLATFORMURL](#) | [MODULE.NOMAD.POSTCOMPLETETIMEOUTHOURS](#) | [MODULE.NOMAD.PRECACHEPOLLBATCHSIZE](#) | [MODULE.NOMAD.PRECACHEPOLLMINUTES](#) | [MODULE.NOMAD.PRECACHEPOLLTIMEOUTHOURS](#) | [MODULE.NOMAD.RECYCLEDPDELAY](#) | [MODULE.NOMAD.SIGSFOLDER](#) | [MODULE.NOMAD.SITESSDSTAGGER](#) | [MODULE.NOMAD.SPECIALNETSHARE](#) | [MODULE.NOMAD.SSDENABLED](#) | [MODULE.NOMAD.SSPBAENABLED](#) | [MODULE.NOMAD.STATUSMSGEVENTS](#) | [MODULE.NOMAD.SUCCESSCODES](#) | [MODULE.NOMAD.USEFIPS](#) | [MODULE.NOMAD.WAKEUPBATCHSIZE](#) | [MODULE.NOMAD.WAKEUPENABLED](#) | [MODULE.NOMAD.WAKEUPMINPACKAGESIZEMB](#) | [MODULE.NOMAD.WLANBLIPSECS](#) | [MODULE.NOMAD.WLANPROFILELIST](#)

Configuration file settings:

[Module.Nomad.Enabled](#)

 The Nomad client module of 1E Client replaces the legacy NomadBranch component of Nomad.

When the 1E Client starts, and the Nomad client module is enabled, it will only initialize the Nomad client module if the OS version is Windows 7 or later. The 1E Client will automatically remove any previous installation of NomadBranch, keeping relevant NomadBranch registry settings.

The 1E Client Nomad client module is not supported on:

- Non-Windows devices
- [Legacy OS](#) (that is OS which Microsoft no longer support including XP, Vista, Server 2008 etc.)

Configuration file settings can be managed using [1E Client reconfiguration](#), Tachyon Explorer configuration instructions, Tachyon Guaranteed State policies, Configuration Manager baselines or other means. Registry settings can also be managed by Windows Group Policy.

The following table shows the supported installer properties for the Nomad client module of the 1E Client. Installer properties that use numeric values must be set using decimal integers on the installer command-line.

 Each installer property listed below has a link to its corresponding registry value page.

Nomad client settings

Installer property	Description								
Module • Nomad • Enabled MODULE.NOMAD.AUTHENTICATEDUSERS	<p>Set this property to true to enable the Nomad client module. The default value is false.</p> <div style="border: 1px solid yellow; padding: 5px; margin: 5px 0;">  If enabled, when the 1E Client starts it will attempt to automatically remove any previous installations of Nomad Branch. </div> <p>This setting does not have an associated Nomad registry entry and is stored in the 1E Client configuration file.</p> <p>Determines which of the built-in security groups is granted read-only permissions to the Nomad cache.</p> <p>Determines which of the built-in security groups is granted read-only permissions to the Nomad cache.</p> <table border="1" data-bbox="289 510 1500 783"> <thead> <tr> <th>Registry value</th> <th>Default value</th> <th>Notes</th> <th>Installer property</th> </tr> </thead> <tbody> <tr> <td>AuthenticatedUsers</td> <td>1</td> <td> Grants read-only access to the Nomad cache as follows: <ul style="list-style-type: none"> 0 – Everyone built-in security group and the SMSNomadP2P& Nomad share account. This is the least restrictive option and is not valid with HTTP or HTTPS protocol and is treated as 2 (only the SMSNomadP2P& Nomad share account) 1 – Authenticated Users built-in security group and the SMSNomadP2P& Nomad share account 2 – Only the SMSNomadP2P& Nomad share account. This account has also been added to NTFS permission settings. Unauthorised HTTP requests to access the caches are met with a 403 status code. The Nomad share has more information about share permissions and NTFS security. The difference between Authenticated Users and Everyone depends on the OS version, but in general Everyone includes Authenticated Users plus Guest. </td> <td>MODULE.NOMAD.AUTHENTICATEDUSER</td> </tr> </tbody> </table>	Registry value	Default value	Notes	Installer property	AuthenticatedUsers	1	Grants read-only access to the Nomad cache as follows: <ul style="list-style-type: none"> 0 – Everyone built-in security group and the SMSNomadP2P& Nomad share account. This is the least restrictive option and is not valid with HTTP or HTTPS protocol and is treated as 2 (only the SMSNomadP2P& Nomad share account) 1 – Authenticated Users built-in security group and the SMSNomadP2P& Nomad share account 2 – Only the SMSNomadP2P& Nomad share account. This account has also been added to NTFS permission settings. Unauthorised HTTP requests to access the caches are met with a 403 status code. The Nomad share has more information about share permissions and NTFS security. The difference between Authenticated Users and Everyone depends on the OS version, but in general Everyone includes Authenticated Users plus Guest.	MODULE.NOMAD.AUTHENTICATEDUSER
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MODULE.NOMAD.BLOCKSIZE	<p>Value (in bytes) for the minimum size of each block of data Nomad copies from the package source folder.</p> <p>Value (in bytes) for the minimum size of each block of data Nomad copies from the package source folder.</p> <div style="border: 1px solid yellow; padding: 5px; margin: 5px 0;">  Any change to this value requires a manual service restart before it can take effect. </div> <table border="1" data-bbox="289 1045 1500 1213"> <thead> <tr> <th>Registry value</th> <th>Default value</th> <th>Notes</th> <th>Installer property</th> </tr> </thead> <tbody> <tr> <td>BlockSize</td> <td>131072(128KB)</td> <td> Must be between 4096(4KB) to 4194304(4MB) inclusive. <ul style="list-style-type: none"> The default block size is 128KB The maximum block size is 4MB Multicast environments can only use the default block size. If you define a larger value for multicast environments, Nomad automatically resets it to the default. Clients use the block size defined in the registry and ignore the values from the LSZ </td> <td>MODULE.NOMAD.BLOCKSIZE</td> </tr> </tbody> </table>	Registry value	Default value	Notes	Installer property	BlockSize	131072(128KB)	Must be between 4096(4KB) to 4194304(4MB) inclusive. <ul style="list-style-type: none"> The default block size is 128KB The maximum block size is 4MB Multicast environments can only use the default block size. If you define a larger value for multicast environments, Nomad automatically resets it to the default. Clients use the block size defined in the registry and ignore the values from the LSZ 	MODULE.NOMAD.BLOCKSIZE
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MODULE.NOMAD.CACHECLEANCYCLEHRS	<p>Determines the number of hours between automatically running the Nomad cache cleaner.</p> <p>Determines the number of hours between automatically running the Nomad cache cleaner.</p> <table border="1" data-bbox="289 1350 1500 1591"> <thead> <tr> <th>Registry value</th> <th>Default value</th> <th>Notes</th> <th>Installer property</th> </tr> </thead> <tbody> <tr> <td>CacheCleanCycleHrs</td> <td>0 (turned off)</td> <td> The first automatic cache clean runs randomly between 10 to 60 mins of service start up. Subsequent cache clean cycles run after the number of hours specified. 0 means feature turned off. No cache cleaning cycle would run. Changing this registry entry performs an internal restart. The minimum value is 4 The maximum value is 168 (Once a week) </td> <td>MODULE.NOMAD.CACHECLEANCYCLEHRS</td> </tr> </tbody> </table>	Registry value	Default value	Notes	Installer property	CacheCleanCycleHrs	0 (turned off)	The first automatic cache clean runs randomly between 10 to 60 mins of service start up. Subsequent cache clean cycles run after the number of hours specified. 0 means feature turned off. No cache cleaning cycle would run. Changing this registry entry performs an internal restart. The minimum value is 4 The maximum value is 168 (Once a week)	MODULE.NOMAD.CACHECLEANCYCLEHRS
Registry value	Default value	Notes	Installer property						
CacheCleanCycleHrs	0 (turned off)	The first automatic cache clean runs randomly between 10 to 60 mins of service start up. Subsequent cache clean cycles run after the number of hours specified. 0 means feature turned off. No cache cleaning cycle would run. Changing this registry entry performs an internal restart. The minimum value is 4 The maximum value is 168 (Once a week)	MODULE.NOMAD.CACHECLEANCYCLEHRS						

MODULE.NOMAD.CACHEPATH

Determines the value of :

- NomadBranchLocalCachePath - the location of local Nomad package cache

The location of local Nomad package cache.

Registry value	Default value	Notes	Installer property
LocalCachePath	%ALLUSERSPROFILE%\1ENomadBranch\	<p>There are two registry values called LocalCachePath that are used by Nomad.</p> <ul style="list-style-type: none"> The LocalCachePath REG_SZ registry value under the HKLM\Software\1ENomadBranch key sets the path to the local Nomad package cache. The LocalCachePath REG_SZ registry value under the HKLM\Software\1ENomadBranch\NMDS key sets the path to the PBA package cache. <p>The path is created if it does not exist. If the drive letter does not exist, and it is not possible to create the specified path, %TEMP% is used. Default values are dependent on OS.</p> <p>Known issue fixed in latest accumulated hotfix</p> <p>The value for the installer property CACHEPATH requires a trailing backslash \. When Nomad is installed on a DP this location is also used for the LSZFiles vDir folder. If LocalCachePath does not contain a trailing backslash, then:</p> <ul style="list-style-type: none"> the LSZFILES folder is incorrectly created (LocalCachePathLSZFILES instead of LocalCachePath\LSZFILES) IIS vDir points to wrong folder (LocalCachePathLSZFILES instead of LocalCachePath\LSZFILES) LSZGEN fails because it is attempting to store LSZ files to non-existent path (LocalCachePathLSZFILES) <p>PBA cache is also derived from the same installer property CACHEPATH, but it is stored in the registry value CachePath in the NomadBranch\NMDS registry key.</p>	MODULE.NOMAD.CACHEPATH

- NomadBranch\NMDS\CachePath - the location of the base peer backup assistant (PBS) share where user data is copied to

This value holds the location of the base peer backup assistant (PBS) share where user data is copied to.

Registry value	Default value	Notes	Installer property
CachePath	<NomadCachePath>\NMDS	<p>This REG_SZ registry value is found under the PBA registry key NomadBranch\NMDS. This parameter relies on the folder it points to as being configured as a share. In normal circumstances, this should not be modified from the default value.</p> <p>The MODULE.NOMAD.CACHEPATH installer property also used to configure the location of the Nomad cache, which is stored in the registry value LocalCachePath. The location of the PBA cache is derived from the MODULE.NOMAD.CACHEPATH property, and is stored in the registry value CachePath in the NomadBranch\NMDS registry key.</p>	MODULE.NOMAD.CACHEPATH

MODULE.NOMAD.CERTISSUER

Determines the certificate issuer for the following.

- SCCM Client certificate used when downloading over HTTPS from internet facing distribution points and when communicating with management points during pre-caching.
- Nomad Server certificate used to share content between peers over HTTPS.

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Registry value	Default value	Notes	Installer property
CertIssuer	**	For downloads over HTTPS when using PKIs. Set the value to the name of the certificate issuer. It is applicable for all downloads, either from the DP or peer. For downloads from DP, you can skip this and set CertSubject instead.	MODULE.NOMAD.CERTISSUER

MODULE.NOMAD.CERTSUBJECT

Determines the client certificate subject to use when downloading over HTTPS from internet facing distribution points. It is also used when communicating with management points as part of the Nomad pre-caching feature.

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Registry value	Default value	Notes	Installer property
CertSubject	**	<p>For downloads over HTTPS from the DP, set either the CertIssuer or CertSubject registry values.</p> <p>For the installer property, configure either MODULE.NOMAD.CERTISSUER or MODULE.NOMAD.CERTSUBJECT installer properties for HTTPS downloads.</p>	MODULE.NOMAD.CERTSUBJECT

MODULE.NOMAD.COMPATIBILITYFLAGS

Determines different compatibility settings which relate to specific customer related functionality and should not generally be changed from the default value under normal conditions, unless advised. The installer property must be set to sum of the integer values for the required bits. For example, to disable hash value checking (1) and DelegatedLSZ checks and errors (131072), run `msiexec /i 1E.C1:x64.msi MODULE.NOMAD.COMPATIBILITYFLAGS=131073 [other properties] /qn` on the installer command-line.

Determines different compatibility settings which relate to specific customer related functionality and should not generally be changed from the default value under normal conditions, unless advised

Bit	Hex	Decimal	Description
0	0x0001	1	Never check hashes of downloaded content.
1	0x0002	2	<p>Enable longer values for hashes. This value is auto-enabled when the Configuration Manager client is detected.</p> <p>You must manually configure this setting on any DP that does not have the Configuration Manager client installed.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  Prior to 1E Client 4.1 (Nomad 7.0) this was disabled (0) by default. </div>
2	0x0004	4	Calculate CRCs as files are downloading.
3	0x0008	8	<p>Fix wrong IPs in election messages.</p> <p>On multi-homed machines sometimes the IP from a wrong adapter can get sent in the election messages resulting in peers failing to connect to the master. Enabling this flag causes Nomad to correct such IPs at the time when messages are received and thus prevent master connectivity issues.</p>
4	0x0010	16	Determines compatibility with Nomad v3.x caches. Set this option once all Nomad v3.x installations have been upgraded.
5	0x0020	32	Disable all RDC data generation.
6	0x0040	64	Keep Packages that failed the CRC test during P2P or download from DP.
7	0x0080	128	Prevent computers using wireless connections from becoming fill-in multicast masters.
8	0x0100	256	Include LinkLocal IPv4 addresses.
9	0x0200	512	Include LinkLocal IPv6 addresses.
11	0x0800	2048	RESERVED
12	0x1000	4096	Do not automatically jump from HTTP to HTTPS during download from DP.
13	0x2000	8192	Always use HTTPS. (Use this setting when Configuration Manager is configured to use HTTPS-only communication for downloading content from Distribution Points)
14	0x4000	16384	RESERVED
15	0x8000	32768	RESERVED
16	0x0001 0000	65536	RESERVED (this flag is no longer used; previously this flag disabled a workaround for the issue described in understanding IIS request filtering)
17	0x0002 0000	131072	Disable DelegatedLSZ checks and errors.
18	0x0004 0000	262144	Disable partial download when App-V streaming, i.e. download entire application.
19	0x0008 0000	524288	Enable full hash generation for SIS content when an LsZ file is generated on a DP. If this is not enabled, SIS content is trusted, and corrupted content may be downloaded. Enable default.
20	0x0010 0000	1048576	Abort download on the Nomad client if an LsZ hash mismatch is detected. If this is not set, when a Nomad client detects a hash mismatch it will re-request LsZ generation on the DP then try again, and get stuck in a loop if the SIS content is corrupt. Must be set on clients if Bit 19 is set on DPs. Enabled by default.
25	0x0200 0000	33554432	<p>Turn off Dynamic Block Size. This flag is set by default, which means Dynamic Block Size is disabled by default.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  Prior to 1E Client 4.1 (Nomad 7.0) this bit was off, meaning Dynamic Block Size was enabled by default. </div>
26	0x0400 0000	67108864	<p>Enable download of Windows 10 Express update files. Enabled by default.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  This is a new setting in 1E Client 4.1 (Nomad 7.0) and Q20144 for NomadBranch 6.3.201. </div>
27	0x0800 0000	134217728	<p>Enable download of full file software updates from Microsoft Update when deployed through Configuration Manager (see note above). Enabled by default.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  This is a new setting in 1E Client 4.1 (Nomad 7.0) and Q20246 for NomadBranch 6.3.201. </div>
28	0x1000 0000	268435456	<p>Enable download of byte-range software updates (e.g. Express updates, O365 updates) from Microsoft Update when deployed through Configuration Manager >(see note above) Enabled by default.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  This is a new setting in 1E Client 4.1 (Nomad 7.0) and Q20246 for NomadBranch 6.3.201. </div>

**MODULE.
NOMAD.
CONTENTPROVIDERONWIFI**

Determines whether a device on a WLAN can become content provider. By default, only devices connected to a LAN can become content providers when using Single Site Download (SSD).



This setting is only applicable to SSD and has no effect on P2P content transfers on the local subnet.

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Registry value	Default value	Notes	Installer property
ContentProviderOnWifi	0	Values are: <ul style="list-style-type: none"> 0 – Only devices connected to a LAN can be content providers 1 – Devices connected to any network (including WLANs) can be content providers 	MODULE.NOMAD.CONTENTPROVIDERONWIFI

**MODULE.
NOMAD.
CONTENTREGISTRATION**

Determines if content in Nomad's cache (packages, applications, software updates, boot images, etc.) is registered with ActiveEfficiency. Content registration is necessary if a host is to be available as a [single-site download](#) (SSD) provider or can be woken up if a Nomad peer requires the content locally.

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Registry value	Default value	Notes	Installer property
ActiveEfficiencyContentRegistration	0	To enable content registration, update the value to 1 – it is found under the NomadBranch\ActiveEfficiency. If you want to enable SSD as a provider after installation, then you also need to configure the registry value for ContentRegistration as well as SSDENabled and PlatformURL . To enable SSD when you install Nomad, you must specify both the MODULE.NOMAD.SSDENABLED and NOMAD.MODULE.PLATFORMURL installer properties. If MODULE.NOMAD.SSDENABLED is configured as a provider then the registry value of ContentRegistration is automatically set to 1 during installation. The following Nomad features require ActiveEfficiency: <ul style="list-style-type: none"> Single-site download Single-site Peer Backup Assistant Nomad pre-caching Nomad Dashboard WakeUp integration (also requires NightWatchman Management Center server, WakeUp Servers installed on Configuration Manager sites, and Single-site download) Nomad Download Pause (also requires Tachyon infrastructure) 	MODULE.NOMAD.CONTENTREGISTRATION

**MODULE.
NOMAD.
CONTENTREGSYNCCYCLEHOURS**

Value (in hours) for Nomad to register pending and failed content registrations with ActiveEfficiency. Registrations can fail when ActiveEfficiency or the SQL Server hosting ActiveEfficiency DB is busy, overloaded or down for maintenance, resulting in content registration mismatch between the clients and ActiveEfficiency.

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The [Content Registration Sync Cycle](#) is available in Nomad 7.0 or later (1E Client 4.1 or later) which registers pending and failed content registrations with ActiveEfficiency. Please refer to [Single-site download: Improved resilience of content registration](#).

Registry value	Type	Default value	Notes	Installer property
ContentRegSyncCycleHrs	REG_DWORD	24	A periodic cycle that does pending content registrations. The value specifies the periodic run of the cycle in HOURS. Setting it to 0 means the feature is turned off and Nomad will not run the content registration sync cycle. Range: from 4 hours to 168 hours (1 week). When this registry value is set to non-zero the feature is enabled, and Nomad sets the following two registry values: <ul style="list-style-type: none"> ContentRegSyncReqDelay is set to 1000 milliseconds ContentRegSyncBatchSz is set to 30 	MODULE.NOMAD.CONTENTREGSYNCCYCLEHOURS

MODULE.NOMAD.CONTENTREG.SYNCR.EQDELAY

Delay (in milliseconds) between successive content registration API calls to ActiveEfficiency. Registrations can fail when ActiveEfficiency or the SQL Server hosting ActiveEfficiency DB is busy, overloaded or down for maintenance, resulting in content registration mismatch between the clients and ActiveEfficiency.

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Registry value	Type	Default value	Notes	Installer property
ContentRegSyncReqDelay	REG_DWORD	1000	Delay, in milliseconds, between successive content registration API calls to ActiveEfficiency Range: from 100 milliseconds to 60000 milliseconds (1 minute).	MODULE.NOMAD.CONTENTREG.SYNCR.EQDELAY

MODULE.NOMAD.CONTENTREG.SYNCR.BATCHSZ

Number of content registrations that will be attempted in each content registration cycle. Registrations can fail when ActiveEfficiency or the SQL Server hosting ActiveEfficiency DB is busy, overloaded or down for maintenance, resulting in content registration mismatch between the clients and ActiveEfficiency.

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Registry value	Type	Default value	Notes	Installer property
ContentRegSyncBatchSz	REG_DWORD	30	Number of content registrations that will be attempted in each content registration cycle. Range: from 5 to 100 registrations per run.	MODULE.NOMAD.CONTENTREG.SYNCR.BATCHSZ

MODULE.NOMAD.DEBUG

The level of messages logged in the Nomad logs for debugging purposes.

The installer property must be set to sum of the integer values for the required bits. For example, to set all three supported debug levels, run: `msiexec /i 1E.Client-x64.msi MODULE.NOMAD.DEBUG=25 [other properties] /qn` on the installer command-line.

The level of messages logged in the Nomad logs for debugging purposes.

Registry value	Default value	Notes	Installer property
Debug	0x09 (9)	See the table below for customer supported values. The default is a combination of 0x01 (Minimal logging) and 0x08 (Registry changes). For example, to set maximum debugging, set bit 0, 3 and 4, which is a value of 0x19 hexadecimal or 25 decimal. Values on the installer command-line must be provided in decimal. So to set maximum debugging you would use the following installer command-line: <pre>> msiexec /i 1E.Client-x64.msi DEBUG=25 [other properties] /qn</pre>	MODULE.NOMAD.DEBUG

Bit	Hex	Decimal	Description
0	0x01	1	Minimal logging.
1	0x02	2	RESERVED
2	0x04	4	RESERVED
3	0x08	8	Registry changes.
4	0x10	16	Additional debugging (should only be used if requested by 1E support).

MODULE.NOMAD.DOWNLOAD.TIMEOUT

Sets the timeout in seconds after which a job will be cancelled if the download has not been successful.

Sets the timeout in seconds after which a job will be cancelled if the download has not been successful.

Registry value	Default value	Notes	Installer property
DownloadTimeout	0	This parameter is associated with the distribution point resilience feature and is used in conjunction with the RecycleDP Delay registry value. If a value greater than zero is set, the download timeout will either use this or the Configuration Manager setting depending on which is the smaller value. When the timeout is reached, the job package download is cancelled and a success is sent to the Configuration Manager client with the <code>ERROR_MAXDURATION</code> timeout error sent as the package status message. The default is to use the Configuration Manager setting (28 days by default).	MODULE.NOMAD.DOWNLOAD.TIMEOUT

**MODULE.
NOMAD.
DPNOTAVAIL
ABLECODES**

Determines which error codes will cause Nomad to retry a download using an alternative distribution point.

For example, the following would set Nomad to the default value on the 1E Client installer command-line:> `msiexec /i 1E.Client-x64.msi MODULE,NOMAD.DPNOTAVAILABLECODES="0x205A,0x205D" [other properties] /qn`

Determines which error codes will cause Nomad to retry a download using an alternative distribution point.

Registry value	Default value	Notes	Installer property
DPNotAvailableCodes	0x205A, 0x205D	<p>This registry entry contains a comma-separated list of return codes, see Nomad return codes for a list of the possible ones. If Nomad encounters one of these during download it will attempt a retry from an alternative DP. It gets the list of possible DPs from Configuration Manager. The two return codes set as default are the only ones that are applicable to DP availability:</p> <ul style="list-style-type: none"> • 0x205A – in valid special package path (set using <code>--pp</code>) • 0x205D – DP path not found <p>Under normal circumstances, you would not change this from the default value. You may want to not allow failover to an alternative DP altogether, in which case you would set the value to "" in the registry. Or you may only want to failover if the DP path was not found, in which case you would set the value to 0x205D only.</p> <p>This installer property should be set to a string containing the comma-separated hex values. For example the following sets Nomad to failover to the next DP only when the DP path was not found:</p> <pre>> msiexec /i 1E.Client-x64.msi DPNOTAVAILABLECODES="0x205D" [other properties] /qn</pre>	MODULE.NOMAD.DPNOTAVAILABLECOD

**MODULE.
NOMAD.
ENFORCEQU
OTAS**

Determines whether Windows Disk Quotas (if configured) are enforced on the PBA share defined in [CachePath](#) .

Determines whether Windows Disk Quotas (if configured) are enforced on the PBA share defined in [CachePath](#) .

Registry value	Default value	Notes	Installer property
EnforceQuotas	0x0 (0)	Enables quotas to be enforced but requires Windows Disk Quotas to be configured. If the size specified in the NMDS_POLL request causes the quota to be exceeded, the request fails and you get disk full error. This registry value is found under the PBA registry key NomadBranch\NMDS.	MODULE.NOMAD.ENFORCEQUOTAS

**MODULE.
NOMAD.
GENERATEWE
REVENTS**

Determines whether Windows Error Reporting memory dumps should be sent to Microsoft Winqual.

Determines whether Windows Error Reporting memory dumps should be sent to Microsoft Winqual.

Registry value	Default value	Notes	Installer property
GenerateWEREvents	1	<p>If enabled and if Nomad experiences an unexpected failure, a dialog is displayed prompting the user to send the debug information to Winqual which is forwarded to 1E for continued quality improvements. Values are:</p> <ul style="list-style-type: none"> • 0 disables this feature • 1 enables this feature 	MODULE.NOMAD.GENERATEWEREVENT

**MODULE.
NOMAD.
HAACKTIMEO
UTMINS**

The time-out period in minutes for the [Peer Backup Assistant - High Availability](#) (PBA-HA) task sequence action. If a machine running this action does not receive an acknowledgement message within this period from the PBA host performing the additional backups, the action will fail.

The time-out period in minutes for the [Peer Backup Assistant - High Availability](#) (PBA-HA) task sequence action. If a machine running this action does not receive an acknowledgement message within this period from the PBA host performing the additional backups, the action will fail.

Registry value	Default value	Notes	Installer property
HAACKTimeOutMins	20	Applies to synchronized backups only. The PBA host sends the acknowledgement messages back to the machine running the task sequence approximately every 5% of the synchronized copy. This registry value is found under the PBA registry key NomadBranch\NMDS.	MODULE.NOMAD.HAACKTIMEOUT

MODULE.NOMAD.LOCALSSDSTAGGER

Sets the site SSD query stagger duration (seconds).

Sets the site SSD query stagger duration (seconds).

Deployments to large numbers of clients (30,000 or more) generate significant network traffic from 1E Client to an ActiveEfficiency Server that may result in IIS 503 Overload errors on the server, causing content registrations and SSD requests to fail. LocalSsdStagger allows an elected subnet master to wait for a random configurable time before making a local SSD request. All peers in the subnet participating in the election would also synchronize and wait for the same time before copying from master machine.

Registry value	Type	Default value	Notes	Installer property
LocalSsdStagger	REG_DWORD	5	<p>Sets the local SSD query stagger duration in seconds. The stagger is 0 (disabled) by default.</p> <p>The maximum value that can configured is 600 seconds (10 minutes).</p> <p>There is no SSD staggering in WinPE.</p> <p>Local SSD happens when only when network broadcast is disabled.</p> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> Please consult 1E before changing this value. </div> <p>This setting works in conjunction with SiteSsdStagger.</p>	MODULE.NOMAD.LOCALSSTAGGER

MODULE.NOMAD.LOGNAME

Name of the Nomad log file. This value is preserved upon upgrade. This property is combined with [MODULE.NOMAD.LOGPATH](#) to create registry value [LogFileName](#). The default value is `NomadBranch`.

MODULE.NOMAD.LOGPATH

Location of the Nomad log file. The path will be created if it does not exist. This value is preserved upon upgrade. Default values are dependent on OS. This property is combined with [MODULE.NOMAD.LOGNAME](#) to create the registry value [LogFileName](#). The default location is: `%ALLUSERSPROFILE%\1E\NomadBranch\LogFiles`

MODULE.NOMAD.MADCAPSCOPE

The MADCAP scope for multicast.

The MADCAP scope for multicast.

Registry value	Default value	Notes	Installer property
MultiCastMADCAPScope	SMSNomad	Values may be set using either of the formats in the table below.	MODULE.NOMAD.MADCAPSCOPE

Format	Description
<ScopeName>	<ScopeName> is the name of a scope defined in the DHCP (if you are using the Microsoft implementation of MADCAP). Use this form you have multiple MADCAP servers. This method uses the time to live settings for the scope.
<MADCAP_ServerIP> <MADCAP_ScopeIP> <TTL>	<ul style="list-style-type: none"> • <MADCAP_ServerIP> is the IP address of a specific MADCAP server • <MADCAP_ScopeIP> is the starting IP address for a MADCAP scope defined in the DHCP (if you are using the Microsoft implementation of MADCAP) • <TTL> is the time to live for the multicast packets <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> Using a TTL greater than 1 is not recommended unless you have ensured that multicast traffic cannot leak back upstream through any intervening routers. The valid range for TTL is a number between 1 and 255 </div> <p>Nomad is also capable of performing control multicast without a MADCAP server installation on the network. In order to use this feature the <MADCAP_ServerIP> must be set to 0.0.0.0. For example, the following supports MADCAP server not being present, with a sc of 239.0.9.0 and a time to live of 3.</p> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> 0.0.0.0,239.0.9.0,3 </div>

**MODULE.
NOMAD.
MAXALLOCREQUEST**

Sets the maximum amount of space in MB that can be requested by each PBA client.

Sets the maximum amount of space in MB that can be requested by each PBA client.

Registry value	Default value	Notes	Installer property
MaxAllocRequest	0xC8 (200)	Located under the PBA registry key NomadBranch\NMDS.	MODULE.NOMAD. MAXALLOCREQUEST

**MODULE.
NOMAD.
MAXCACHEDAYS**

When the Nomad cache cleaner runs, delete any application or package content that last triggered Nomad elections before the specified number of days ago.

When the Nomad cache cleaner runs, delete any application or package content that last triggered Nomad elections before the specified number of days ago.

Registry value	Default value	Notes	Installer property
MaxCacheDays	0 (turned off)	<p>Set to delete application or package content that last triggered Nomad elections before the specified number of days from the date the cache cleaner runs.</p> <p>This ensures that only application or package content that have triggered elections recently will be kept in the cache.</p> <p>0 means that application and package content will not be deleted automatically when the cache cleaner runs.</p>	MODULE.NOMAD. MAXCACHEDAYS

**MODULE.
NOMAD.
MAXCACHESIZEEMB**

Provided for backward compatibility only – use [PercentAvailableDisk](#) instead. The value (in bytes) for the maximum size the cache is allowed to grow to, before automatic cache cleaning takes place.

Provided for backward compatibility only – use [PercentAvailableDisk](#) instead. The value (in bytes) for the maximum size the cache is allowed to grow to, before automatic cache cleaning takes place.

Registry value	Default value	Notes	Installer property
MaxCacheSizeMB	0	<p>There is no maximum value for this property. This method for determining the maximum size of the cache is an alternative to PercentAvailableDisk:</p> <ul style="list-style-type: none"> If PercentAvailableDisk has a value greater than zero set its method will be used to control the cache size. If MaxCacheSizeMB is set to a value greater than zero and PercentAvailableDisk is set to zero then MaxCacheSizeMB will be used as the method for determining the maximum size of the Nomad cache. 	MODULE.NOMAD. MAXCACHESIZEEMB

**MODULE.
NOMAD.
MAXCONCURRENCY**

Sets the maximum number of concurrent PBA sessions that may be in use on the host.

Sets the maximum number of concurrent PBA sessions that may be in use on the host.

Registry value	Default value	Notes	Installer property
MaxConcurrency	0x3 (3)	Located under the PBA registry key NomadBranch\NMDS.	MODULE.NOMAD. MAXCONCURRENCY

**MODULE.
NOMAD.
MAXDEVICESFROMAE**

The maximum number of devices with the content that Nomad can retrieve from ActiveEfficiency server in one call.

The maximum number of devices with the content that Nomad can retrieve from ActiveEfficiency server in one call.

Registry value	Default value	Notes	Installer property
MaxDevicesFromAE	10	The maximum number of devices (i.e. machines) with the content (package, application or software update) that Nomad can retrieve from ActiveEfficiency server in one call. Separate calls are made for local devices (for wake-up only) and site devices (for SSD and wake-up). The maximum value is 20.	MODULE.NOMAD. MAXDEVICESFROMAE

**MODULE.
NOMAD.
MAXIMUMMEGABYTE**

The maximum amount of space (in MB) that can be used for all the PBA shares combined on the host.

The maximum amount of space (in MB) that can be used for all the PBA shares combined on the host.

Registry value	Default value	Notes	Installer property
MaximumMegaByte	0	<p>A non-zero value enables PBA share.</p> <p>This registry value is located under the PBA registry key NomadBranch\NMDS.</p>	MODULE.NOMAD. MAXIMUMMEGABYTE

MODULE.NOMAD.MAXLOGSIZE

The maximum size (in bytes) of the Nomad log file. Default is 5MB.

The maximum size (in bytes) of the Nomad log file. Default is 5MB.

Registry value	Default value	Notes	Installer property
MaxLogFileSize	5242880	<p>When the log file reaches this size, it is renamed with a .LO_ extension and a new .LOG file is created. The .LO file is overwritten each time.</p> <p> The default has been increased from 1048576 (1MB) to 5242880 (5MB) for Nomad 7.0 onwards (1E Client 4.1).</p> <p> The installer property name is different to the registry name.</p>	MODULE.NOMAD.MAXLOGSIZE

MODULE.NOMAD.MAXPACKAGEFAST

The maximum size (in bytes) of a package that Nomad attempts to cache on a Fast LAN (>500 kbps) connection.

The maximum size (in bytes) of a package that Nomad attempts to cache on a Fast LAN (>500 kbps) connection.

Registry value	Default value	Notes	Installer property
MaxPackageSizeFastLAN	0	<p>Works in conjunction with the RunUncachedPermittedFastLAN registry value.</p> <p> The installer property name is different to the registry name.</p>	MODULE.NOMAD.MAXPACKAGEFAST

MODULE.NOMAD.MAXPACKAGERAS

The maximum size (in bytes) of a package that Nomad will attempt to cache on a RAS (<55 kbps) connection.

The maximum size (in bytes) of a package that Nomad will attempt to cache on a RAS (<55 kbps) connection.

Registry value	Default value	Notes	Installer property
MaxPackageSizeRAS	0	<p> The installer property name is different to the registry name.</p>	MODULE.NOMAD.MAXPACKAGERAS

MODULE.NOMAD.MAXPACKAGE SLOW

Maximum size (in bytes) of a package that Nomad attempts to cache on a Slow LAN (55-500 kbps) connection.

Maximum size (in bytes) of a package that Nomad attempts to cache on a Slow LAN (55-500 kbps) connection.

Registry value	Default value	Notes	Installer property
MaxPackageSizeSlowLAN	0	<p> The installer property name is different to the registry name.</p>	MODULE.NOMAD.MAXPACKAGESLOW

MODULE.NOMAD.MAXPACKETS PER SECOND

The maximum rate at which multicast packets are sent.

The maximum rate at which multicast packets are sent.

Registry value	Default value	Notes	Installer property
MaxPacketsPerSecond	800	<p>Modify this value with caution. If packets are sent too fast, machines will drop packets and multicast will not be effective - too slow and multicast works, but slowly. The default value is indicative of how this should be set.</p>	MODULE.NOMAD.MAXPACKETS PER SECOND

**MODULE.
NOMAD.
MAXPRE
CACHEDAYS**

When the Nomad cache cleaner runs, delete any pre-cached content that last triggered Nomad elections before the specified number of days ago.

When the Nomad cache cleaner runs, delete any pre-cached content that last triggered Nomad elections before the specified number of days ago.

Registry value	Default value	Notes	Installer property
MaxPreCacheDays	0 (turned off)	<p>Set to delete pre-cached content that last triggered Nomad elections before the specified number of days from the date the cache cleaner runs.</p> <p>This ensures that only pre-cached content that has triggered elections recently will be kept in the cache.</p> <p>0 means that pre-cached content will not be deleted automatically when the cache cleaner runs.</p>	MAXPRECACHEDAYS

**MODULE.
NOMAD.
MAXSTATUS
FREQUENCY**

he minimum interval (in seconds) between sending transfer progress status messages, thereby governing the overall maximum frequency for sending the messages.

he minimum interval (in seconds) between sending transfer progress status messages, thereby governing the overall maximum frequency for sending the messages.

Registry value	Default value	Notes	Installer property
MaxStatusFrequency	3600	Works in conjunction with the ++sm setting on the Nomad properties tab and the StatusMsgEvents registry values.	MAXSTATUSFREQUENCY

**MODULE.
NOMAD.
MAXSUC
CACHEDAYS**

When the Nomad cache cleaner runs, delete any software updates that last triggered Nomad elections before the specified number of days ago.

When the Nomad cache cleaner runs, delete any software updates that last triggered Nomad elections before the specified number of days ago.

Registry value	Default value	Notes	Installer property
MaxSUCacheDays	0 (turned off)	<p>Set to delete software updates that last triggered Nomad elections before the specified number of days from the date the cache cleaner runs.</p> <p>This ensures that only software updates that have triggered elections recently will be kept in the cache.</p> <p>0 means that software updates will not be deleted automatically when the cache cleaner runs.</p>	MAXSUCACHEDAYS

**MODULE.
NOMAD.
MULTICAST
SUPPORT**

The behavior of local multicast.

The behavior of local multicast.

Registry value	Default value	Notes	Installer property
MulticastSupport	0x0 (0)	<p>All machines in a single branch must be configured using the same value for this parameter.</p> <p>If you are not using multicast, deploy the Nomad branch agent with the MULTICASTSUPPORT property set to 0 to reduce the noise in Nomad logs.</p> <p>Prior to Nomad 7.0 multicast was enabled (0x1) by default. Now it is disabled (0x0) by default.</p>	MODULE.NOMAD. MULTICASTSUPPORT

Bit	Hex	Decimal	Description
	0x0	0	No Multicast – disables the feature.
0	0x1	1	Data Only Multicast – choose this for a standard Nomad multicast. Data refers to the content of the downloaded package. Nomad control communications are broadcast as normal on the local subnet. Select this option for standard functionality.
1	0x2	2	Control Only Multicast – control information refers to the communications between Nomad enabled machines, especially for elections. This may be used if there is more than one subnet in a single location to enable a single Nomad master to be elected for all the subnets.
	0x3	3	Control and Data Multicast – data and control information is multicast. Select this option if a branch has multiple subnets connected by high speed routers.

**MODULE.
NOMAD.
NOHARD
LINK**

Determines whether hard links are used between the Nomad cache and the Configuration Manager cache.

Determines whether hard links are used between the Nomad cache and the Configuration Manager cache.

Registry value	Default value	Notes	Installer property
NoHardlink	0	<p>Values are:</p> <ul style="list-style-type: none"> 0 – hard links are used. The Nomad cache will link to the Configuration Manager cache so only a single copy of a package is held locally. 1 – hard links are not used and results in the content being double-cached 	MODULE.NOMAD. NOHARDLINK

**MODULE.
NOMAD.
NOMADINHIBITEDADSSITES**

Prevents Nomad from calling an election when it is connected to the specified AD sites, meaning that each Nomad client on the listed AD sites will automatically become a Nomad master. This prevents P2P sharing as each master downloads its own copy of the content.

Prevents Nomad from calling an election when it is connected to the specified AD sites, meaning that each Nomad client on the listed AD sites will automatically become a Nomad master. This prevents P2P sharing as each master downloads its own copy of the content.

Registry value	Default value	Notes	Installer property
NomadInhibitedADSSites	**	<p>A comma-separated list for each AD site to be inhibited. Useful for sites with:</p> <ul style="list-style-type: none"> • a local DP • a VPN without isolation <p>For example, to inhibit three AD sites called site1, site2 and site3:</p> <pre>site1,site2,site3</pre> <p>See Inhibiting subnets and sites for details.</p>	MODULE.NOMAD. NOMADINHIBITEDADSSITES

**MODULE.
NOMAD.
NOMADINHIBITEDSUBNETS**

Prevents Nomad from calling an election when it is connected to specified IP subnet, meaning that each Nomad client on the IP subnet automatically becomes a Nomad master. This prevents P2P sharing as each master downloads its own copy of the content.

Prevents Nomad from calling an election when it is connected to specified IP subnet, meaning that each Nomad client on the IP subnet automatically becomes a Nomad master. This prevents P2P sharing as each master downloads its own copy of the content.

Registry value	Default value	Notes	Installer property
NomadInhibitedSubnets	**	<p>A comma-separated list of each subnet to be inhibited in CIDR notation. Useful for sites with either of the following:</p> <ul style="list-style-type: none"> • a local DP • a VPN without isolation <p>For example, to isolate two subnets:</p> <pre>"10.2.0.0/16,192.168.9.0/24"</pre>	MODULE.NOMAD. NOMADINHIBITEDSUBNETS

**MODULE.
NOMAD.
PERCENTDELAYEDCONTENTREG**

Delay the content registration request made to ActiveEfficiency by the Content Registration Sync Cycle process that runs every ContentRegSyncCycleHrs.

Delay the content registration request made to ActiveEfficiency by the Content Registration Sync Cycle process that runs every ContentRegSyncCycleHrs.

The **Content Registration Sync Cycle** is available in Nomad 7.0 or later (1E Client 4.1 or later) which registers pending and failed content registrations with ActiveEfficiency. Please refer to [Single download: Improved resilience of content registration](#).

Registry value	Type	Default value	Notes	Installer property
PercentDelayedContentReg	REG_DWORD	0	Do not modify this setting unless advised by 1E.	MODULE.NOMAD. PERCENTDELAYEDCONTENTREG

Do not use unless advised by 1E.

MODULE.NOMAD.P2PENABLED

Determines how the Nomad cache is accessed. See [Peer access to the Nomad cache](#) for more details.

The installer property must be set to sum of the integer values for the required bits. For example, the following would set Nomad to use connectionless P2P on the 1E Client installer command-line:
 > msixexec /i 1E.Client-x64.msi MODULE.NOMAD.P2PENABLED=6 [other properties] /qn

Determines how the Nomad cache is accessed. See [Peer access to the Nomad cache](#) for more details.

Registry value	Default value	Notes	Installer property
P2PEnabled	9	The default (Hex 0x0009) configures P2P to use SMB and Net Literal Names. You can set more than one option at the same time by combining the bit values. See the table below for details. <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;">We recommend restarting the Nomad Branch service when you modify this parameter.</div>	MODULE.NOMAD.P2PENABLED

Bit	Hex	Decimal	Notes
0	0x0001	1	(Default) Use the SMB protocol to share its own cache, and create the NomadSHR file share upon the start of the Nomad service, unless the CustomShare option has been enabled in SpecialNetShare . When P2PEnabled is set in addition to Bit 5 (use HTTP) or Bit 6 (use HTTPS), Nomad will attempt to use HTTPS/HTTP and will fall-back to SMB if HTTPS/HTTP is unavailable on other peers. To disable SMB P2P, set this bit to 0.
1	0x0002	2	Enable connectionless P2P server.
2	0x0004	4	Enable connectionless P2P client.
3	0x0008	8	(Default) Use Net Literal Names when connecting to P2P shares. This causes Nomad to use the Nomad master's IP address when connecting to the share and is recommended when running wirelessly.
4	0x0010	16	Use FQDN when connecting to P2P shares. Recommended when using a multi-forest environment where computers from different forests may be present in the same subnet. This requires that reverse lookup for IP addresses is correctly configured and running. If this is not available Nomad will fall back to using the IP address for connecting to the P2P shares.
5	0x0020	32	Use the HTTP protocol to share its own cache and access other caches.
6	0x0040	64	Use the HTTPS protocol to share its own cache and access other caches.

MODULE.NOMAD.P2PHTTPPORT

The HTTP port to use for peer copy.

The HTTP port to use for peer copy.

Registry value	Default value	Notes	Installer property
P2PHttpPort	5080	Default HTTP port to use for peer copy. If you are using a custom port, ensure that all agents use the same custom port.	P2PHTTPPORT

MODULE.NOMAD.P2PHTTPSPORT

The HTTPS port to use for peer copy.

Registry value	Default value	Notes	Installer property
P2PHttpsPort	5443	Default HTTPS port to use for peer copy. If you are using a custom port, ensure that all agents use the same custom port.	P2PHTTPSPORT

MODULE.NOMAD.P2PPORT

Port used to broadcast election messages, for connectionless cache access and package status broadcasts.

Port used to broadcast election messages, for connectionless cache access and package status broadcasts.

Registry value	Default value	Notes	Installer property
P2P_Port	1779		P2PPORT

MODULE.NOMAD.P2PSSLSETTINGS

Determines the type of certificate (self-signed or PKI) to use.

Determines the type of certificate (self-signed or PKI) to use.

Registry value	Default value	Notes	Installer property
P2PSSLSettings	0	Type of certificate to used while sharing content between peers using HTTPS, values are: <ul style="list-style-type: none"> 0 – uses a self-signed certificate; the installer adds it to the Personal Certificate store 1 – uses PKI; administrators are responsible for deploying the server authentication certificate to all agents pre-installation. 	P2PSSLSETTINGS

**MODULE.
NOMAD.
PERCENTAVAILABLEDISK**

The limit on the Nomad cache. Specified as a percentage of the available disk space, it controls the automatic cache cleaning to ensure that the cache does not grow to a size whereby the percentage of available disk space is less than this value.

The limit on the Nomad cache. Specified as a percentage of the available disk space, it controls the automatic cache cleaning to ensure that the cache does not grow to a size whereby the percent of available disk space is less than this value.

Registry value	Default value	Notes	Installer property
PercentAvailableDisk	10	By default, the cache will not grow such that less than 10% of total disk space is available. The maximum value is 80. The cache will not grow beyond 20% of the total available disk space. This method for determining the maximum size of the cache is provided as an alternative to MaxCacheSizeMB : <ul style="list-style-type: none"> If PercentAvailableDisk is greater than zero, its method is used to control the cache size If MaxCacheSizeMB is greater than zero and PercentAvailableDisk is zero, MaxCacheSizeMB is used as the method for determining the maximum size of the Nomad cache. 	PERCENTAVAILABLEDISK

**MODULE.
NOMAD.
PERMITTEDLSZSHARES**

Restricts Nomad LSZ file generation requests to a list of permitted package source locations.

Restricts Nomad LSZ file generation requests to a list of permitted package source locations.

Registry value	Default value	Notes	Installer property
PermittedLSZShares	SMSPKG*\$ SMS_DP_SMSPKG*\$	A list of comma-separated package source locations. Enables increased security and is only used by the Nomad client installed on a distribution point. Nomad LSZ file generation requests will only be completed if the content location is listed. If you are using additional package source locations, you must manually add these to this registry value. PermittedLSZShares can incorporate wildcard characters to provide flexible naming convention support. If you leave the registry value blank, security checks on package source locations are not carried out.  When Configuration Manager (specifically Distribution Point servers) is configured to use HTTPS only, you must also add NOCERT_SMS_DP_SMSPKG*\$ and CCMTOKENAUTH_SMS_DP_SMSPKG*\$ to the PermittedLSZShares registry value.	PERMITTEDLSZSHARES

**MODULE.
NOMAD.
PERMITUNCACHED**

Determines where the download package is run from under certain conditions.

Determines where the download package is run from under certain conditions.

Registry value	Default value	Notes	Installer property
RunUncachedPermittedFastLAN	0	Works in conjunction with MaxPackageSizeFastLAN (which needs to contain a value value greater than zero). Values are: <ul style="list-style-type: none"> 0 – do not run package from the distribution point. 1 – run package directly from the distribution point if there is either insufficient disk space to create the cache, or the maximum package threshold is exceeded but the connection is fast (>500kbps). To ensure that the un-cached mode works correctly, set the Program Environment Properties to include the Drive mode /Require drive letter option.	PERMITUNCACHED

**MODULE.
NOMAD.
PLATFORMURL**

The URL of the ActiveEfficiency web service, usually of the form <http://server/ActiveEfficiency> or <http://server:port/ActiveEfficiency> depending on how the ActiveEfficiency Web service is configured. HTTP and HTTPS protocols are supported.

The URL of the ActiveEfficiency web service, usually of the form <http://server/ActiveEfficiency> or <http://server:port/ActiveEfficiency> depending on how the ActiveEfficiency service is configured. HTTP and HTTPS protocols are supported.

Registry value	Default value	Notes	Installer property
PlatformURL	(empty)	Located under the following registry keys, depending on the component. <ul style="list-style-type: none"> For NomadBranch, it is found under <code>HKLM\Software\1E\NomadBranch\ActiveEfficiency</code> For NomadBranchAdminUIExt on 64-bit machines, it is found under <code>HKLM\Software\Wow6432Node\1E\NomadAdminUI\ActiveEfficiency</code> For NomadBranchAdminUIExt on 32-bit machines, it is found under <code>HKLM\Software\1E\NomadAdminUI\ActiveEfficiency</code> If you want to enable SSD as a provider after installation, then you also need to configure the registry value for ContentRegistration as well as SSDEnabled and PlatformURL. To enable SSD when you install Nomad, you must specify both the MODULE.NOMAD.SSDENABLED and NOMAD.MODULE.PLATFORMURL installer properties. If MODULE.NOMAD.SSDENABLED is configured as a provider then the registry value of ContentRegistration is automatically set to 1 during installation. See also MODULE.NOMAD.CONTENTREGISTRATION . The following Nomad features require ActiveEfficiency: <ul style="list-style-type: none"> Single-site download Single-site Peer Backup Assistant Nomad pre-caching Nomad Dashboard WakeUp integration (also requires NightWatchman Management Center server, WakeUp Servers installed on Configuration Manager sites, and Single-site download) Nomad Download Pause (also requires Tachyon infrastructure) 	NOMAD.MODULE.PLATFORMURL

**MODULE.
NOMAD.
POSTCOMPLETE
TIMEOUTS**

The duration (in hours) after which the PBA share is deleted from the host.

The duration (in hours) after which the PBA share is deleted from the host.

Registry value	Default value	Notes	Installer property
PostCompleteTimeoutHours	0xA8 (168)	<p>Only applies to a PBA share after the NMDS_COMPLETE command has been run for it, otherwise the PreCompleteTimeoutHours value will apply. The intention is that an incomplete share will only be available for a short period of time, defined in PreCompleteTimeoutHours.</p> <p>Once the NMDS_COMPLETE command is sent, it will be fixed for this longer time. When the share is deleted the folder and associated user will be removed.</p> <p>This registry value is found under the PBA registry key NomadBranchNMDS.</p>	POSTCOMPLETETIMEOUTS

**MODULE.
NOMAD.
PRECACHE
POLLBATCH
SIZE**

The number of notifications a client processes in one pre-cache poll cycle.

The number of notifications a client processes in one pre-cache poll cycle.

Registry value	Default value	Notes	Installer property
PrecachePollBatchSize	20	Range is 1 to 500. If the value is greater than 500, it defaults to 500. If you set the value to 0, it defaults to 20.	None

**MODULE.
NOMAD.
PRECACHE
POLLMIN
UTES**

The interval (in minutes) between Nomad polling ActiveEfficiency for new pre-cache jobs.

The interval (in minutes) between Nomad polling ActiveEfficiency for new pre-cache jobs.

Registry value	Default value	Notes	Installer property
PrecachePollMinutes	0x5A0 (1440)	<p>Nomad clients normally start their polling cycle when the service starts-up, with a random delay to minimize the possibility of concurrent polls from different clients.</p> <p>The range is 60 - 525600 (1 year). 0 disables polling</p>	PRECACHEPOLLMINUTES

**MODULE.
NOMAD.
PRECOMPLET
ETIMEOUTS**

The duration (in hours) after which PBA share is deleted from the host.

The duration (in hours) after which PBA share is deleted from the host.

Registry value	Default value	Notes	Installer property
PreCompleteTimeoutHours	0x3 (3)	<p>Located under the PBA registry key NomadBranchNMDS, it only applies to a PBA share after the NMDS_POLL command has been run, but not the NMDS_COMPLETE command.</p> <p>The intention is that an incomplete share will only be available for a short period of time. When the share is deleted the folder and associated user is removed.</p>	PRECOMPLETETIMEOUTS

**MODULE.
NOMAD.
RECYCLE
DPDELAY**

The delay (in seconds) before restarting retries from the first DP after the whole list of available DPs have been tried.

The delay (in seconds) before restarting retries from the first DP after the whole list of available DPs have been tried.

Registry value	Default value	Notes	Installer property
RecycleDPDelay	600	It is associated with the distribution point resilience feature and is used in conjunction with DownloadTimeout . The default equates to 10 minutes.	RECYCLEDPDELAY

**MODULE.
NOMAD.
SIGSFOLDER**

The path to the Configuration Manager signature files.

The path to the Configuration Manager signature files.

Registry value	Default value	Notes	Installer property
SigsFolder	C:\SMSSIG\$	<p>Relates to RDC integration and must point to the folder where the signature files are held for Configuration Manager. Wildcards are not allowed. For example:</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">E:\SMSSIG\$</div> <p>When it is not set, Nomad assumes that signature files location as C:\SMSSIG\$, if it exists.</p>	MODULE.NOMAD.SIGSFOLDER

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Sets the site SSD query stagger duration (seconds).

Sets the site SSD query stagger duration (seconds).

Deployments to large numbers of clients (30,000 or more) generate significant network traffic from 1E Client to an ActiveEfficiency Server that may result in IIS 503 Overload errors on the server, causing content registrations and SSD requests to fail. SiteSsdStagger allows an elected subnet master to wait for a random configurable time before making a site SSD request. All peers in the subnet participating in the election would also synchronize and wait for the same time before copying from master machine.

Registry value	Type	Default value	Notes	Instal prope
SiteSsdStagger	REG_DWORD	0	<p>Sets the site SSD query stagger duration in seconds. The stagger is 0 (disabled) by default.</p> <p>The maximum value that can configured is 300 seconds (5 minutes).</p> <p>There is no SSD staggering in WinPE.</p> <p>Site SSD happens when broadcast is enabled or if local SSD is enabled and it does not return any devices from ActiveEfficiency.</p> <div style="border: 1px solid #ffc107; padding: 5px; margin: 10px 0;">  Please consult 1E before changing this value. </div> <p>This setting works in conjunction with LocalSsdStagger.</p>	<p>MODUL NOMAD SITESS/ GGER</p>

MODULE.NOMAD.SPECIALNETSHARE

Sets various special feature options related to the Nomad share.

The installer property must be set to sum of the integer values for the required bits. For example, to use the computer\$ account for access to the Nomad share, and have custom share permissions you w set the value for the SpecialNetShare registry entry to 129 (0x81 hex). This is shown in the following 1E Client installer command-line:

```
> msiexec /i 1E.Client-x64.msi MODULE.NOMAD.SPECIALNETSHARE=129 [other properties] /qn
```

Sets various special feature options related to the Nomad share.

Registry value	Default value	Notes	Installer property
SpecialNetShare	0x2020 (8224)	<p>You can set more than one option at the same time by combining the bit values. For example, to have custom share permissions and use the machine account for access to the Nomad share, set the value for SpecialNetShare to 129 (decimal value 1+128 or 0x81 hex). See The Nomad share for more detail on configuration and security.</p> <p>Prior to 1E Client 4.1 (Nomad 7.0) the default was 0x0000 (0) but it is now 0x2020 (8224):</p> <ul style="list-style-type: none"> • Bit 5: Disables broadcast of download statistics • Bit 13: Use HTTP/S or SMB 	MODULE.NOMAD.SPECIALNETSHARE

Bit	Hex	Decimal	Description
	0x0000	0	No special features are turned on.
0	0x0001	1	Custom Share Permissions : Administrators configure and manage custom share permissions. The service doesn't create the <code>Nomad\$SR\$</code> share on site up, leaving the administrator to manually create it and set the permissions. It is also not deleted when the service stops and therefore existing share permissions are preserved.
1	0x0002	2	Enables support for IPv6: If the network supports both IPv6 and IPv4, enable support for both – set bit 1 but not bit 2.
2	0x0004	4	Disables support for IPv4: If the network supports only IPv6, disable IPv4 and set both bit 1 and bit 2.
3	0x0008	8	RESERVED
4	0x0010	16	The Nomad share is hidden and named <code>Nomad\$SR\$</code> . When using a hidden share, all Nomad installations must be configured to use this option. See Nomad share for more detail on configuration and security.
5	0x0020	32	Disables broadcast of download statistics. By default this is disabled. If enabled, Nomad broadcasts download statistics to all peers when a download complete. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  Prior to 1E Client 4.1 (Nomad 7.0) this was enabled (0) by default, now it is disabled (1) by default. </div>
6	0x0040	64	Enables Nomad FanOut .
7	0x0080	128	The machine account is used when connecting to a peer client. The <code>SMSNomadP2P&</code> account is not created. Please refer to The Nomad share: Use Machine Account . <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px; background-color: #fff9c4;"> Will not work if peers exist in untrusted domains or workgroups. </div>
8	0x0100	256	RESERVED
9	0x0200	512	RESERVED
10	0x0400	1024	RESERVED
11	0x0800	2048	RESERVED
12	0x1000	4096	RESERVED (deprecated)
13	0x2000	8192	Use HTTP/S or SMB. Ensure that this is set if Nomad integration is used by Tachyon. HTTP/S is automatically used if CM client is detected. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  Prior to 1E Client 4.1 (Nomad 7.0) this was disabled (0) by default, now it is enabled (1) by default. This setting should be enabled in baseline or other policies. </div>
14	0x4000	16384	<p>Web LSZ generation: enables the Nomad client on Configuration Manager standalone DPs to handle LSZ file generation requests coming from HTTP/HTTPS enabled clients.</p> <p>Used when Nomad clients are configured with either of the following enabled:</p> <ul style="list-style-type: none"> • Bit 13 (0x2000) – Use HTTP/S or SMB • Bit 15 (0x8000) – Use HTTP/S only, not SMB <p>When enabled, the Nomad distribution point client creates a virtual folder called <code>LSZFILES</code>. The permissions for this are copied from the Configuration Manager <code>SMS_DP_SMSPKGX\$</code> share. By default, access to the <code>LSZFILES</code> folder requires SSL to be enabled. This is the case for Internet facing scenz where local client access certificates will ensure authentication. If you are using HTTP instead of HTTPS, manually disable SSL on the <code>LSZFILES</code> we folder in order for the Nomad LSZ file generation process to work.</p> <p>Only needs to be enabled when using HTTP or HTTPS on standalone DPs; it is not required on site server DPs because Nomad automatically config Web LSZ generation on them.</p>
15	0x8000	32768	Use HTTP/S only, not SMB: enables the Nomad client to download content using HTTPS or HTTP depending on the content location provided by Configuration Manager or Tachyon. The Nomad client will not use SMB to download content when this is enabled.

MODULE.NOMAD.SSDENABLED

Enables [Single-Site Download \(SSD\)](#).

The installer property must be set to sum of the integer values for the required bits. For example, the following will turn the complete SSD functionality on.

```
> msixexec /i LE.Client-x64.msi MODULE.NOMAD.SSDENABLED=3 [other properties] /qn
```

Enables [Single-Site Download \(SSD\)](#).

Registry value	Default value	Notes	Installer property
SSDEnabled	0	<p>You can set more than one option at the same time by combining the bit values. For example, to enable clients to fetch downloads using SSD and provide them to peers, set the value to 3 (decimal value 1+2 or 0x3).</p> <p>To enable clients to fetch downloads using site and local SSD and provide them to peers, set the value to 7.</p> <p>If you want to enable SSD as a provider after installation, then you also need to configure the registry values for SSDEnabled, PlatformURL and ContentRegistration.</p> <p>To enable SSD when you install Nomad, you must specify both the MODULE.NOMAD.SSDENABLED and NOMAD.MODULE.PLATFORMURL installer properties. If MODULE.NOMAD.SSDENABLED is configured as a provider then the registry value of ContentRegistration is automatically set to 1 during installation.</p> <p>The following Nomad features require ActiveEfficiency:</p> <ul style="list-style-type: none"> • Single-site download • Single-site Peer Backup Assistant • Nomad pre-caching • Nomad Dashboard • WakeUp integration (also requires NightWatchman Management Center server, WakeUp Servers installed on Configuration Manager sites, and Single-site download) • Nomad Download Pause (also requires Tachyon infrastructure) <p>If your network is running over a WLAN or have devices on a wireless network you want to be content providers, set ContentProviderOnWifi =1.</p>	MODULE.NOMAD.SSDENABLED

Bit	Hex	Decimal	Description
	0x0	0	SSD is disabled, the Nomad client takes no part in the SSD on the site.
0	0x1	1	SSD is enabled and the Nomad client fetches downloads using SSD. This setting on its own (without provider mode set) should be used with sensitive server weighting . Provider mode is where a peer gets content from another peer but cannot serve it (it cannot act as a master).
1	0x2	2	SSD is enabled and the Nomad client provides downloads to peers. Enabling this bit causes Nomad to register content with ActiveEfficiency . In practice this is unlikely to be used on its own. This is automatically disabled for WinPE installations (because cached content is only temporary).
2	0x4	4	<p>Local SSD is enabled and the Nomad client fetches downloads from a local client (also known as a subnet peer master - the term used for local devices which have content but cannot be located during the normal election process because network broadcasts have been disabled) within the subnet.</p> <p>In version 6.1.100 the local SSD feature was introduced to supplement site SSD for clients on networks such as wireless where broadcasts are disabled to prevent each client becoming its own master and downloading direct from the DP. In a SSD enabled environment, a master queries ActiveEfficiency get a list of devices on other subnets within the site that have content. With local SSD enabled, the master also queries for devices having content within local subnet. If any local peers with content are available, then the master downloads from them, otherwise it attempts to download from Site peers (c subnets in the site), and if the master still cannot find any peers, it downloads the content direct from the DP.</p> <p>In version 7.0 and later, a master skips using local SSD if it sees broadcast messages from peers. This means clients in mixed network environments be configured with the same SSDEnabled setting (with Local SSD enabled) and clients can move seamlessly between networks. When on a wireless network (where broadcasts are typically disabled) local SSD can be used. On LAN networks (where broadcasts are typically allowed) local SSD would be skipped because a master is elected and sees broadcast activity from peers.</p> <p>This setting should only be used if networks have broadcasts being disabled (for example wireless networks) and clients are forced to download from DP as they can't participate in an election.</p> <p>Local SSD requires that a peer on the local subnet be configured to provide downloads to peers, that is at least one client on the subnet must be configured with Bit 1 enabled. To maintain consistency with typical Nomad peer sharing behavior where local SSD is not required, configure all clients SSDEnabled=7. You'll also want to set ContentProviderOnWifi=1.</p> <p>When enabled, the elected master:</p> <ol style="list-style-type: none"> 1. Queries ActiveEfficiency to get list of local devices having the content. 2. Queries each of those devices to check if they are available and have the content. The list is ordered by percentage of content the device holds. 3. Repeats the same process for devices on other subnets (existing SSD feature). 4. Stores a list of subnets as well as site devices in memory. 5. Cycles through the list in the following order: <ol style="list-style-type: none"> a. Subnet peer master (fetched from list of local devices from ActiveEfficiency) b. Site master c. DP <p>To distinguish between a master derived from ActiveEfficiency and an election, the log records: <code>Connection::SetDownloadSource = SubnetP (an elected peer)</code> instead of <code>Connection::SetDownloadSource = Peer (an SSD peer master)</code>.</p>

MODULE.NOMAD.SSPBAENABLED

Enables the use of single-site functionality for PBA data stores. See [single-site peer backup assistant](#) for more details.

Enables the use of single-site functionality for PBA data stores. See [single-site peer backup assistant](#) for more details.

Registry value	Default value	Notes	Installer property
SSPBAEnabled	0	<p>Has a dependency on the ActiveEfficiency PlatformURL. Values are:</p> <ul style="list-style-type: none"> • 0 – disables single-site integration with ActiveEfficiency • 1 – enables single-site integration with ActiveEfficiency 	MODULE.NOMAD.SSPBAENABLED

Determines which Nomad events are reported using Configuration Manager status messages.

Determines which Nomad events are reported using Configuration Manager status messages.

Registry value	Default value	Notes	Installer property																														
StatusMsgEvents	0x0	<div style="border: 1px solid red; padding: 5px; margin-bottom: 10px;">  Status message events should be used with caution as they could impact your Configuration Manager environment when scaled up to tens of thousands of machines. They are provided mainly for advanced troubleshooting purposes, although some events are also used to support the Nomad dashboard tiles. </div> <ul style="list-style-type: none"> • 0x0000000001 – SNO_EVT_START • 0x0000000002 – SNO_EVT_STOP • 0x0000000004 – SNO_EVT_ERROR • 0x0000000008 – SNO_EVT_PAUSED • 0x0000000010 – SNO_EVT_RESUMED • 0x0000000020 – SNO_EVT_REQUEST_STARTED • 0x0000000040 – SNO_EVT_REQUEST_COMPLETED • 0x0000000080 – SNO_EVT_SERVICE_RESET • 0x0000000100 – SNO_EVT_STARTED_CACHE_MANAGEMENT • 0x0000000200 – SNO_EVT_FINISHED_CACHE_MANAGEMENT • 0x0000000400 – SNO_EVT_STARTED_HASHCHECK • 0x0000000800 – SNO_EVT_FINISHED_HASHCHECK • 0x0000001000 – SNO_EVT_ELECTION_REQUEST • 0x0000002000 – SNO_EVT_MASTER_CHANGED • 0x0000004000 – SNO_EVT_FILLIN_MASTER_CHANGED • 0x0000008000 – SNO_EVT_MCAST_CENTRALSCHED • 0x0000010000 – SNO_EVT_MCAST_ERROR • 0x0000020000 – SNO_EVT_MCAST_COMPLETE • 0x0000040000 – SNO_EVT_SCHEDULER • 0x0000080000 – SNO_EVT_STARTED_TX_CENTRALMCAST • 0x0000100000 – SNO_EVT_STOPPED_TX_CENTRALMCAST • 0x0000200000 – SNO_EVT_STARTED_TX_ACTIVEMCAST • 0x0000400000 – SNO_EVT_STOPPED_TX_ACTIVEMCAST • 0x0000800000 – SNO_EVT_STARTED_TX_FILLINMCAST • 0x0001000000 – SNO_EVT_STOPPED_TX_FILLINMCAST • 0x0002000000 – SNO_EVT_STARTED_RX_CENTRALMCAST • 0x0004000000 – SNO_EVT_STOPPED_RX_CENTRALMCAST • 0x0008000000 – SNO_EVT_STARTED_RX_ACTIVEMCAST • 0x0010000000 – SNO_EVT_STOPPED_RX_ACTIVEMCAST • 0x0020000000 – SNO_EVT_STARTED_RX_FILLINMCAST • 0x0040000000 – SNO_EVT_STOPPED_RX_FILLINMCAST • 0x0080000000 – SNO_EVT_STARTED_COPY • 0x0100000000 – SNO_EVT_STOPPED_COPY • 0x0200000000 – SNO_EVT_WORKRATE_CHANGED • 0x0400000000 – SNO_EVT_WRONG_PKG_VERSION • 0x0800000000 – SNO_EVT_INFORMATIONAL • 0x1000000000 – SNO_EVT_FINALSTATS (see notes below) • 0x2000000000 – SNO_EVT_WAIT • 0x4000000000 – SNO_EVT_MAX_EVENTID <h3>SNO_EVT_FINALSTATS notes</h3> <p>For success reporting, this message provides feedback on the status of the download. For example, it can show how much data was received using multicast as opposed to peer-to-peer copying. Turning this message on creates an extra status message per machine for each deployment. The format of the status message is:</p> <pre style="border: 1px solid gray; padding: 5px; margin: 10px 0;">Evt_FinalStats MD100067 1 170 59195038 170 59195038 0 59195038 0 0</pre> <p>Configuration Manager status messages are made up of insertion strings. The strings for the final stats event are:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>InstrStr0</th> <th>Nomad event string (internal reference)</th> <th>N/A</th> </tr> </thead> <tbody> <tr> <td>InstrStr1</td> <td>Package Id and Package version</td> <td>MD100067 1</td> </tr> <tr> <td>InstrStr2</td> <td>Total number of files in package</td> <td>170</td> </tr> <tr> <td>InstrStr3</td> <td>Total number of package bytes</td> <td>59195038</td> </tr> <tr> <td>InstrStr4</td> <td>Number of files which are cached</td> <td>170</td> </tr> <tr> <td>InstrStr5</td> <td>Bytes which are cached</td> <td>59195038</td> </tr> <tr> <td>InstrStr6</td> <td>Bytes copied from a peer agent (P2P)</td> <td>0</td> </tr> <tr> <td>InstrStr7</td> <td>Bytes copied from the DP</td> <td>59195038</td> </tr> <tr> <td>InstrStr8</td> <td>Bytes received via local multicast</td> <td>0</td> </tr> <tr> <td>InstrStr9</td> <td>Bytes received from a central multicast</td> <td>0</td> </tr> </tbody> </table> <p>If the package is already cached and is re-deployed with an unchanged package version, the final stats message will not be re-sent.</p> <h3>The Nomad Dashboard Latest Operations tiles</h3> <p>Nomad clients must be configured to return the following status messages into the Configuration Manager site database in order to populate the Nomad dashboard's Latest Operations tiles. Because the Nomad client does not return any status messages by default, you must configure the Nomad client registry <code>StatusMsgEvents</code> value, either during installation of 1E Client or using The Nomad Baseline Wizard.</p> <ul style="list-style-type: none"> • SNO_EVT_ERROR (0x0000000004) • SNO_EVT_REQUEST_STARTED (0x0000000020) • SNO_EVT_REQUEST_COMPLETED (0x0000000040) • SNO_EVT_FINALSTATS (0x1000000000) <p>These combine to the following value: 0x1000000064</p>	InstrStr0	Nomad event string (internal reference)	N/A	InstrStr1	Package Id and Package version	MD100067 1	InstrStr2	Total number of files in package	170	InstrStr3	Total number of package bytes	59195038	InstrStr4	Number of files which are cached	170	InstrStr5	Bytes which are cached	59195038	InstrStr6	Bytes copied from a peer agent (P2P)	0	InstrStr7	Bytes copied from the DP	59195038	InstrStr8	Bytes received via local multicast	0	InstrStr9	Bytes received from a central multicast	0	MODULE.NOMAD. STATUSMSGEVENTS
InstrStr0	Nomad event string (internal reference)	N/A																															
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InstrStr9	Bytes received from a central multicast	0																															

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A list of Nomad return codes that are translated as success to the Content Transfer Manager (CTM) component of the Configuration Manager client.

Registry value	Default	Notes	Installer property
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SuccessCodes

0x206b, 0x2077, 0x103, 0xfffffff, 0x1, 0x70, 0x2050, 0x2051, 0x2052, 0x2053, 0x2054, 0x2055, 0x2056, 0x2057, 0x2058, 0x205a, 0x205b, 0x205c, 0x205d, 0x205e, 0x2060, 0x2061, 0x2062, 0x2063, 0x2064, 0x2065, 0x2066, 0x2067, 0x2068, 0x2069

This REG_SZ value contains a comma-delimited list of possible Nomad return codes that should be treated as a success and thereby prevent Configuration Manager from attempting to download the content itself or use another Alternate Content Provider (ACP). Any code returned by Nomad that is not on the list will be treated as a failure and trigger the Configuration Manager client to attempt to download the content using alternate means. Nomad also sends a status message to the Configuration Manager site containing its return code.

Strictly speaking the Nomad return codes are actually internal status codes, Nomad will only ever return success or failure to the Content Transfer Manager (CTM) component of the Configuration Manager client. When CTM receives a success it passes control to the ExecMgr component of the Configuration Manager client, which attempts to execute the deployment. ExecMgr will fail if Nomad did not download the content and make it available in the Configuration Manager cache. In this case, ExecMgr sends a status message (e.g. failed deployment) back to the Configuration Manager site.

If Nomad generates a return code that is not in the list, it passes a fail to the CTM component which causes the Configuration Manager client to try downloading the content itself using BITS, or use another Alternate Content Provider (ACP). This process may itself succeed or fail depending on the conditions that resulted in the original Nomad return code, and may have an undesirable impact on the network.



The special code 0x9999 can be added to the list, or used on its own, to cause Nomad to always return a success to CTM. As a consequence this code is also known as "prevent failover to BITS".



The SuccessCodes list need not be modified under normal circumstances, other than to add or remove the 0x9999 code.

The following table shows the possible Nomad return codes that can be set in the list:



This list is subject to change with each release of Nomad, and provided for reference only.

Return Code		Description
Dec	Hex	
-1	0xFFFF FFFF	Reserved
1	0x0001	Reserved
112	0x0070	Insufficient disk space to create the cache
259	0x0103	Reserved
8272	0x2050	The download has been suspended by APM
8273	0x2051	The user has cancelled this download
8274	0x2052	Invalid command line
8275	0x2053	Command-line execution failure
8276	0x2054	Internal Error
8277	0x2055	The package exceeds the threshold for a RAS connection
8278	0x2056	The package exceeds the threshold for a Slow LAN connection
8279	0x2057	The package exceeds the threshold for a Fast LAN connection
8280	0x2058	Reserved
8281	0x2059	Unknown transport. Returned when an attempt is made to download a Software Update from an Internet location (like Microsoft Updates)
8282	0x205A	Invalid special package path (set using --pp)
8283	0x205B	Deprecated
8284	0x205C	Exited due to a kill request
8285	0x205D	DP path not found
8286	0x205E	The MaxBusyBackOff consecutive event threshold has been exceeded
8287	0x205F	The service has stopped
8288	0x2060	The advertisement has expired
8289	0x2061	Reserved
8290	0x2062	This is an unlicensed version of Nomad
8291	0x2063	Invalid alternate cache path (set using --cp)
8292	0x2064	No Configuration Manager job data found in WMI
8293	0x2065	Incorrect package hash
8294	0x2066	MaxDuration or execution runtime for this program has been exceeded
8295	0x2067	Reserved
8296	0x2068	Incorrect package version
8297	0x2069	Obsolete package version
8298	0x206A	The BlockSize has been changed during download
8299	0x206B	The "no progress" re-check threshold has been exceeded
8300	0x206C	The parent process has terminated
8301	0x206D	Duplicate download for the package
8302	0x206E	The service was reset. This will occur if certain configuration parameters are changed during a download e.g. NomadInhibitedSubnets
8303	0x206F	Nomad inhibited
8311	0x2077	Internal error LST incomplete

MODULE.NOMAD.
SUCCESSCODES

(This installer property was introduced in 1E Client 4. Nomad 7.0)

**MODULE.
NOMAD.
USEFIPS**

This installer property sets the Nomad [EncryptionType](#) registry entry.
Determines the type of encryption used by Nomad to encrypt its communications between Nomad peers.

Determines the type of encryption used by Nomad to encrypt its communications between Nomad peers.

Registry value	Default value	Notes	Installer property
EncryptionType	0x0 (0)	Value are: <ul style="list-style-type: none"> • 0 – standard Nomad encryption • 1 – FIPS encryption 	MODULE.NOMAD.USEFIPS

**MODULE.
NOMAD.
WAKEUPBATCHSIZE**

The maximum number of machines to wake up in a single call.

The maximum number of machines to wake up in a single call.

Registry value	Default value	Notes	Installer property
WakeUpBatchSize	10	Sets the maximum number of machines to wake up in one call, for subnet and site separately. (So up to twice this number of requests is sent in total if WakeUp is enabled for both subnet and site.) The next batch is launched, if necessary, after a re-election (usually a periodic election). The value cannot be greater than MaxDevicesFromAE , and hence itself cannot be more than 20.	MODULE.NOMAD.WAKEUPBATCHSIZE

**MODULE.
NOMAD.
WAKEUPENABLED**

Enables WakeUp integration, see [Integrating with WakeUp](#) for more details.

Enables WakeUp integration, see [Integrating with WakeUp](#) for more details.

Registry value	Default value	Notes	Installer property
WakeUpEnabled	0	Determines the status of the WakeUp integration. If configured by the installer, it is disabled (0) by default. If integration is enabled, Nomad attempts to wake up dormant hosts that are known to have the requested content in their caches. The integration has a dependency on the ActiveEfficiency PlatformURL . To enable integration post-installation, for normal usage, set both bits 0 and 1 (0x3)	MODULE.NOMAD.WAKEUPENABLED

Bit	Hex	Decimal	Description
	0x0	0	Disables WakeUp integration.
0	0x1	1	Enables WakeUp integration only for the local subnet.
1	0x2	2	Enables WakeUp integration only for the site.
	0x3	3	Enables WakeUp integration for the site and the local subnet.

**MODULE.
NOMAD.
WAKEUPMINPACKAGESEMB**

The minimum size of content (in megabytes) that will cause a request for a wakeup. See [Integrating with WakeUp](#) for more details.

The minimum size of content (in megabytes) that will cause a request for a wakeup. See [Integrating with WakeUp](#) for more details.

Registry value	Default value	Notes	Installer property
WakeUpMinPackageSizeMB	1024	Any content below this size is downloaded from the DP as downloads from the DP for files this size will likely complete before any wakeups will have had a chance to finish. The value can be 0, in which case wakeups will always be attempted. For example, if it is set to 512 and size of the content downloaded is 500 MB, a wake-up request (to site or subnet) is not be sent. Similarly, if size of the content is 600 MB, then wake-up requests (to site and subnet, determined by WakeUp Enabled) is sent. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">For standalone downloads (using SMSNomad.exe) and under WinPE, there has no effect as the size of the content cannot easily be determined. Wake-up requests are always sent in these instances.</div>	MODULE.NOMAD.WAKEUPMINPACKAGESEMB

**MODULE.
NOMAD.
WLANBLIPSECS**

The duration for temporarily disabling a wireless connection when a wired LAN connection becomes available, to provide time for the OS and Nomad to switch to the LAN connection. This is useful for OS versions and drivers that do not automatically switch to a preferred wired connection.

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Registry value	Default value	Notes	Installer property
WLANBlipSecs	0	The value must be 20 seconds or more. Please refer to Full control over WAN link usage: Managing stable LAN connections .	MODULE.NOMAD.WLANBLIPSECS

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A list of wireless SSIDs to enable switching from wireless to wired LAN connections.

A list of wireless SSIDs to enable switching from wireless to wired LAN connections.

Registry value	Default value	Notes	Installer property
WlanProfileList		A comma-delimited list of wireless SSIDs (* for any all) which enables Nomad to switch form wireless to a wired LAN connection when it becomes available.	MODULE.NOMAD. WLANPROFILELIST

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