

PXE Everywhere Responder settings

Configuration settings for PXE Everywhere Responder.

PXE Everywhere Responder is a 64-bit application, and its registry values exist under: `HKEY_LOCAL_MACHINE\SOFTWARE\1E\PXELiteServer`



Registry settings:

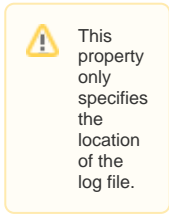
[AltPxeClientPort](#) | [AltPxeServerPort](#) | [BindTo](#) | [Debug](#) | [DefaultBlockSize](#) | [DhcpPort](#) | [ElectionWaitSecs](#) | [ElectionWeight](#) | [EncryptionType](#) | [Flags](#) | [IgnoreGatewayAddress](#) | [IgnoreWireless](#) | [LogFileName](#) | [LogFormat](#) | [MaxLogFileSize](#) | [Mode](#) | [SessionTimeoutSecs](#) | [TftpRoot](#)



Installer properties:

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Registry name	Registry type	Installer property	Default value	Description
AltPxeClientPort	REG_DWORD	This value does not have an installer property.	Registry value is not created.	This is the UDP port that the PXE Everywhere Responder will reply to the PXE client (alternate boot loader) on. If this registry setting does not exist then port 2068 is used.
AltPxeServerPort	REG_DWORD	This value does not have an installer property.	Registry value is not created.	This is the UDP port that the alternate boot loader will broadcast the custom PXE request on. The PXE Everywhere Agents must be configured to listen on this port, so it must be the same port defined by DHCPBOOT when installing the PXE Everywhere Agent. If this registry setting does not exist then port 2067 is used.
BindTo	REG_SZ	This value does not have an installer property.	Registry value is not created.	Comma-separated list of IP addresses which PXE Everywhere Responder listens for DHCP (PXE) and TFTP requests. If not present, PXE Everywhere Local listens on all IP addresses. Use this if there is more than one network interface.
Debug	REG_DWORD	DEBUG	1	The debug level. Leave this at 1 unless 1E Support recommends a change. The range is: <ul style="list-style-type: none"> 0x1: Basic logging 0x4: Extra "application-specific" logging 0x8: Extra registry logging 0x10: Increased general logging The following two bits will perform centralized logging via SOAP calls to the PXE Central Server: <ul style="list-style-type: none"> 0x1000: Logs election results 0x2000: Logs TFTP file transfer start and stop (includes statistics).
DefaultBlockSize	REG_DWORD	This value does not have an installer property.	Registry value is not created.	Default TFTP block size. 512 if not specified.
DhcpPort	REG_DWORD	DHCPPORT	67	For a new install, it is not necessary to use the DHCPBOOT installer property on Responders, because DhcpPort must always be 67 (default). However, if you are upgrading a legacy PXE Everywhere Agent that has support for DHCP Snooping enabled, it will not be using DHCPBOOT=67 and you will need to specify DHCPBOOT=67 when upgrading it to be a Responder. If you are upgrading a legacy PXE Everywhere Responder (an Agent in Static Responder mode) to be a new PXE Everywhere Responder then it will retain DhcpPort=67 during the upgrade, and it is not necessary to use the DHCPBOOT installer property.
ElectionWaitSecs	REG_DWORD	ELECTIONWAITSECS	1	Time (in seconds) to wait for responses to the election request before broadcasting the result. Can be any positive integer value above 0.
ElectionWeight	REG_DWORD	ELECTIONWEIGHT	50	When set, this manually created registry value determines the likelihood of the machine winning elections, all else being equal. The value must be between 0 and 99 inclusive. The higher the value the the higher the likelihood of winning. If no value is set, a default of 50 is used.
EncryptionType	REG_DWORD	USEFIPS	0	Use of FIPS compliant encryption for communications. You <i>must</i> use the same setting on all PXE Everywhere Agents. <ul style="list-style-type: none"> 0 – use default encryption 1 – use FIPS encryption

Flags	REG_DWORD	This value does not have an installer property.	Registry value is not created.	If set to 1 the DHCP listener adds an ASCII terminator character to the bootfile name in the DHCP acknowledgement message. Some HP machines require this. Any value other than 1 is treated as default 0.
IgnoreGatewayAddress	REG_DWORD	This value does not have an installer property.	Registry value is not created.	If set to any value other than 0 the DHCP listener ignores the gateway address. If not set then assumes default 0 .
IgnoreWireless	REG_DWORD	This value does not have an installer property.	0	If set to 1 then PXE Everywhere Agent does not bind on wireless adapters. Any value other than 1 is treated as default 0.
n/a		INSTALLDIR	%ProgramFiles%\1E\PXEEverywhere\Responder	Installation folder.
LogFileName	REG_SZ	LOGPATH 	%ProgramData%\1E\PXEEverywhere\PXEEverywhereResponder.log	The location of the PXE Everywhere Responder log file. The path is created if it does not exist. The logfile name is PXEEverywhereResponder.log
LogFormat	REG_DWORD	LOGFORMAT	1	Formatting depends on which bits are set: <ul style="list-style-type: none">• bit 0 (0x01) use Configuration Manager-compatible format (default)• bit 3 (0x08) do no formatting• bit 7 (0x80) include milliseconds in the timestamp
MaxLogFileSize	REG_DWORD	MAXLOGFILE SIZE	10485760	Maximum size for the log file in bytes. Once the file reaches the specified size, a copy is made with a .log_ extension in the same directory. A new log file will then be created. Default is 10485760 (10 MBytes).
Mode	REG_DWORD	MODE	3	Mode must be 3 – Responder mode
SessionTimeoutSecs	REG_DWORD	This value does not have an installer property.	Registry value is not created.	Timeout for the TFTP listener. 600 if not specified or 0 is specified. Can be any positive integer value.
TftpRoot	REG_SZ	TFTPROOT	%ProgramData%\1E\PXEEverywhere\TftpRoot	Location for the PXE Everywhere Responder TFTPROOT directory. 