

# PXE Everywhere features

A list of features organized by the release they were implemented in. Links through to the features have been provided for convenience.

## New in PXE Everywhere 4.0

This 4.0.100 maintenance release contains the following new features:

- PXE Everywhere Agent is now a client module of 1E Client 5.2, available for x64 and x86 platforms. Please refer to [1E Client 5.2 - Implementing 1E Client](#) for more details.

The main 4.0 release introduced the following new features:

- PXE Everywhere Agent is now a client module of 1E Client 5.1 available for x64 and x86 platforms. Please refer to [1E Client 5.1 - Implementing 1E Client](#) for more details.
- PXE Everywhere Responder (used to support DHCP Snooping) now has its own installer to replace Static Responder mode of the Agent, as described in [Installing PXE Everywhere Responder](#), and has been recompiled as x64 instead of x86.
- PXE Everywhere has replaced PXELite name throughout the product, with a few exceptions:
  - The PXE Everywhere website and Application Pool is still called **PXELite**
  - The registry root for PXE Everywhere Central is still **PXELiteCentral**
  - The registry root for PXE Everywhere Responder is still **PXELiteServer**.
- [UpdateBootImageGUI](#) is included in the PXE Everywhere download zip.

## PXE Everywhere 3.2 features

- Introducing the Static Responder mode of PXE Everywhere Agent to support networks with [DHCP Snooping](#) enabled

## PXE Everywhere 3.1 features

- Support for Windows Server 2016
- Support for Configuration Manager Current Branch

## PXE Everywhere 3.0 features

- Enhanced handling of PXE boots for machines that do not comply to the standard PXE protocol
- Compliance with Federal Information Processing Standards (FIPS)
- Support for Unified Extensible Firmware Interface (UEFI) devices.
- Support for Configuration Manager 2012 SP2, Configuration Manager 2012 R2 SP1, Windows 10 and Windows Server 2012 R2

## PXE Everywhere 2.3 features

- Support for UEFI devices. There is a known limitation for this feature where non-mandatory deployments do not time-out. This would occur in an uncommon configuration where machines were configured so that the NIC card was the first device in the boot order. 1E is aware of the administrative challenge caused by this issue and the problem will be addressed in the next PXE Everywhere release, scheduled for Q2 2015.

## PXE Everywhere 2.2 features

- Support for Configuration Manager 2012 R2, Windows 8.1 and Windows Server 2012 R2
- Support for setting RAMDisk (boot image) TFTP blocksize - new configurable **tfpblocksize** option in the **CreateBCD.exe** component



This version addresses a vulnerability in the PXE Everywhere Local Host's use of Trivial File Transfer Protocol (TFTP). In earlier versions the TFTP server running on the remote host was vulnerable to a directory traversal attack that could have allowed an attacker to read arbitrary files on the remote host by pre-pending their names with directory traversal sequences. If you are running PXE Everywhere Local Host v2.1 in your environment, we recommend you upgrade all end-points to the latest version of the PXE Everywhere Local Host at your earliest convenience.

## PXE Everywhere 2.1 features

- Configuration Manager 2012 SP1 support
- Windows 8 and Windows Server 2012 support
- Boot image certificate expiration – new configurable option in the UpdateBootImage component

## PXE Everywhere 2.0 features

- Configuration Manager 2012 integration – the new version of PXE Everywhere integrates with Configuration Manager 2012 to apply boot images to PXE-booting bare metal machines.
- Multiple PXE Everywhere Local Hosts – the new version of PXE Everywhere enables PXE support on all computers on a subnet which elect the most suitable host when a PXE boot request comes in.
- Nomad integration – PXE Everywhere, in conjunction with Nomad, helps minimize WAN usage by ensuring that locally cached Packages are used wherever possible when deploying OS images.

