

# Introducing 1E Client

## Summary

An overview of 1E Client features and modules. The 1E Client provides client functionality for Shopping, WakeUp, Nomad, and Tachyon.

## The 1E Client

In response to customer demand to reduce the number of agents required, 1E have unified the client functionality for Nomad, PXE Everywhere, Shopping, WakeUp, and Tachyon into a single 1E Client.

On Windows devices, 1E Client provides the following:

- Tachyon client features - see below
- User surveys and notifications, and notification area icon called 1E Client UI. This is used by Tachyon Experience to enable User Sentiment and Info Surveys to be presented to end-users.
- Tachyon Telemetry. This information enables 1E to improve its product capabilities and features. It can be configured during Tachyon Setup and information on the data that is sent to 1E is provided in the Tachyon platform documentation.
- Nomad client module - supports content distribution for Configuration Manager and Tachyon
- PXE Everywhere client module - also known as PXE Everywhere Agent - which allows computers to automatically boot up into Windows PE, which then allows a Windows Operating System to be installed
- Shopping client module - supports access to a self-service software portal (which integrates with Configuration Manager) and includes the Windows Servicing Assistant (WSA) to support OS deployment
- WakeUp client module - integrates with Configuration Manager, NightWatchman and/or Nomad.

On non-Windows devices, 1E Client provides only Tachyon client features.

Tachyon client features:

- Real-time response to instructions, which supports the retrieval of information using questions, and running actions
- Tags (freeform and device/coverage)
- Criticality and Location
- 1E Client UI to support the Real-Time Control Center, Announcements, Surveys, and Sentiment features of the Experience application #
- Inventory, including process usage, to support:
  - the Tachyon Activity Record feature
  - the Inventory and other consumer applications
- Performance metrics features to support the Experience application #
- Policy feature to support consumer applications: Guaranteed State ##, Experience #, and Nomad #
- Modules to support:
  - the Patch Success application #
  - command and script execution
  - content distribution
  - device criticality
  - manipulation of files and processes
  - manipulation of registry and WMI #
  - security #
  - software uninstallation
  - user sessions, including Primary User

# not supported on non-Windows, ## partially supported on non-Windows

Many features and modules are optionally enabled and configured. The 1E Client can also be extended to support additional features and client modules.

1E Client does not include modules for 1E NightWatchman Agent, which is available as a separate agent. However, NightWatchman Management Center optionally integrates with Tachyon to provide online status of its clients.

On Windows devices, the 1E Client is installed as a Windows service, with a small footprint, with some client modules having their own service if enabled. On non-Windows devices, the 1E Client is installed as a background daemon, also referred to as a service on macOS.

## 1E Client versions

The picture below shows the evolution of the 1E Client from a combination of other 1E Agents.

### On this page:

- [The 1E Client](#)
  - [1E Client versions](#)
  - [Deployment](#)
  - [Supported Platforms](#)
  - [Constraints of Legacy OS](#)

## Versions of 1E Client



 On non-Windows devices, 1E Client provides only Tachyon client features.

## Deployment

The **1E Client Deployment Assistant (CDA)** can be used with Microsoft System Center Configuration Manager to deploy 1E Client to Windows computers, and also 1E NightWatchman Agent.

1E Client may be deployed independently using alternative software distribution methods.

For further detail, please refer to:

- [Deploying 1E Client on Windows](#)
- [Deploying 1E Client on macOS](#)
- [Deploying 1E Client on Linux](#)
- [Deploying 1E Client on Solaris](#)
- [Reconfiguring 1E Client](#)

## Supported Platforms

All 1E Client features are supported on the following Windows OS:

#### Windows

- Windows Server 2022
- Windows Server 2019
- Windows Server 2016
- Windows 10 CB 21H2
- Windows 11 CB 21H2
- Windows 10 CB 21H1
- Windows 10 CB 20H2
- Windows 10 CB 2004

The zip for 1E Client for Windows is available for download from the [1E Support Portal](#).

Professional and Enterprise editions of Windows 10 are supported.

All versions are provided with 32-bit & 64-bit installers, and can be installed on physical and virtual computers.



This list is automatically updated to show only those OS versions in mainstream support by Microsoft, and therefore supported by 1E, and by 1E Client 8.0.

Please refer to [Constraints of Legacy OS](#) regarding end of mainstream support.

For Microsoft product lifecycle details, please refer to <https://support.microsoft.com/en-us/lifecycle/search>.

Please refer to <https://1eportal.force.com/s/support-for-msft-rapid-release-cycle> for details of which Current Branch versions are supported by 1E products, and known issues regarding specific versions.

The Tachyon client features of 1E Client are supported on the following non-Windows OS:

#### macOS

- macOS Big Sur 11.0
- macOS Catalina 10.15
- macOS Mojave 10.14

#### Linux

- CentOS 8.1
- Debian 10.4
- Fedora 34
- openSUSE Leap 15.2
- Red Hat Enterprise Linux 7.9
- Red Hat Enterprise Linux 8.3
- SUSE Linux Enterprise 15.2
- Ubuntu 18.04

#### Solaris

- Please use 1E Client 5.2

Other versions of these non-Windows OS should work but have not been tested by 1E.

1E Client packages for other Linux distributions can be requested, including Raspbian for Raspberry Pi.

The 1E Client for Linux supports the following architectures:

- Linux variations on Intel 64-bit platforms

1E Client packages for Linux are included in the non-Windows zip available for download from the [1E Support Portal](#).

1E Client supports only Tachyon features on non-Windows devices.

1E Client 8.0 is *not* available for Solaris, please use 1E Client 5.2 instead.

The 1E Client 5.2 for Solaris supports for the following architectures:

- Solaris on Intel 64-bit and SPARC platforms

1E Client 5.2 package for Solaris is included in the non-Windows zip available for download from the [1E Support Portal](#).

1E Client supports only Tachyon features on non-Windows devices.

Additional information on Supported Platforms can be found on the [Supported Platforms](#) page.

## Constraints of Legacy OS

In this documentation, the following are referred to as legacy OS. Below are described some known issues for these OS.

1E does not provide support for 1E products on the following OS unless the OS is explicitly listed as being supported for a specific 1E product or product feature. This is because Microsoft has ended mainstream support for these OS or they are not significantly used by business organizations.

- |                                                                                                                                                                                           |                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• <b>Windows XP *</b></li><li>• <b>Windows Vista</b></li><li>• <b>Windows 7</b></li><li>• <b>Windows 8.0</b></li><li>• <b>Windows 8.1</b></li></ul> | <ul style="list-style-type: none"><li>• <b>Windows Server 2003 *</b></li><li>• <b>Windows Server 2008</b></li><li>• <b>Windows Server 2008 R2</b></li><li>• <b>Windows Server 2012</b></li><li>• <b>Windows Server 2012 R2</b></li></ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



1E Client 8.1 and later will not install on Windows XP and Windows Server 2003. Please contact 1E if you intend to continue using any of the other legacy OS. If you experience an issue, then please try replicating the issue on a supported OS.

For Microsoft product lifecycle details, please refer to <https://support.microsoft.com/en-us/lifecycle/search>.

