

# 1E Client features by release

## Summary

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

Each release includes new or enhanced functions and methods in the Agent language (SCALE). Please refer to [Tachyon SDK - Functions and Methods Reference](#) for more details.



The following list shows the current supported versions of 1E Client, and if relevant, their end of support date.

<ul style="list-style-type: none"><li>• <a href="#">8.0</a></li></ul>	
<ul style="list-style-type: none"><li>• <a href="#">5.2</a></li></ul>	- November 2022
<ul style="list-style-type: none"><li>• <a href="#">5.1</a></li></ul>	- July 2022

## New features in 1E Client 5.2

### Tachyon client for Tachyon v5.2

- New methods: [Inventory.GetTables](#), [Network.GetWiFiNetworks](#)
- Updated methods: [Network.GetConnections](#), [OperatingSystem.GetSummary](#)
- New TimeoutSecs parameter in: [FileSystem.FindFileByName](#), [FileSystem.FindFileBySizeAndHash](#), [FileSystem.FindDirectoryByName](#)
- New policy trigger: [DirectoryChange](#)
- New installer property for Windows devices: [DataRoot](#)
- Support for TPM (Trusted Platform Module) based client certificates on Windows
- OsLocale and OSInstallUtc included in online messages to Switch to support the Location tile in the Details panel of [Tachyon Platform 5.2 - Device View: Overview](#)
- Support for Nomad client changes, including use of event policy system, and sharing certificate details
- Improved [Downloading Tachyon client content and Nomad integration](#)
- Description removed from Experience Surveys in Client UI (Interaction module)
- Additional installation script for deploying client on macOS when using tachyon.pfx certificate file as an alternative to using the macOS key store
- Support added for following Operating Systems:
  - Windows 10-20H2
  - macOS on Apple M1 architecture



Only Tachyon client features are supported by the 1E Client on non-Windows devices.

### Shopping client for Shopping v6.0

- Adding support for Single sign-on (SSO) environment and Workgroup devices to respond with machine details on Shopping website

### WakeUp client for NightWatchman Enterprise v7.3

- No changes - only hotfixes

### Nomad client for Nomad v7.1

- NomadBranch 7.1 client is the Nomad module in 1E Client 5.2
- ActiveEfficiency features are now provided by Content Distribution on Tachyon Platform 5.2
- Client status messages are sent via Tachyon event policy system - Content Distribution uses these instead of StatusMsgEvents using Configuration Manager
- New client settings:
  - [DeliveryOptimizationReportingEnabled](#) - monitoring of Delivery Optimization downloads and reporting them to Content Distribution - disabled by default
  - [SupportWPAD](#) - provides support for Web Proxy Auto-Discovery Protocol (WPAD) - disabled by default.

### PXE client for PXE Everywhere v4.0.100

- No changes - only hotfixes

## Tachyon Instruction Management Studio (TIMS) v5.2

For more information about TIMS, please refer to [Tachyon SDK - Getting started with TIMS](#).

- Multiple tabs
- Default instruction type for a new instruction is now Action rather than Question
- Validation error when %global% or %environment% variables are used in fragments (InstructionType fix, check, and precondition)

## 1E Client 5.1

### Tachyon client for Tachyon v5.1

- User surveys and notifications, and notification area icon called 1E Client UI. This is used by Tachyon Experience, please refer to:
  - [Tachyon Experience 1.3 - Getting feedback via User Sentiment Surveys: What the end-user sees](#)
  - [Tachyon Experience 1.3 - Getting feedback via General Purpose Surveys: What the end-user sees](#)
  - [Tachyon Experience 1.3 - Getting feedback via General Purpose Surveys: Do not disturb...](#)
- Support for user-centric features (user session reporting). This is used by Tachyon Experience, please refer to [Tachyon Experience - Users page](#)
- Support for Telemetry. Please refer to [Tachyon 5.2 - Telemetry data](#) and [Tachyon 5.2 - Tachyon Setup: Telemetry](#) for more details.
- A TemporaryDirectory configuration setting has been added that can override the default location for 1E Client temporary file storage
- Device information has been extended to include:
  - physical MAC address
  - inbound IP address (for NAT scenarios)
  - primary user (also displayed in Devices information popup from the Devices table in Explorer)
- Support for VDI features (device resource demand reporting) - this is a preview feature that is not enabled by default.
- New modules: [Interaction](#)
- New methods: [Security.QuarantineDevice](#), [Security.ModifyQuarantineWhitelist](#), [Users.GetPrimaryUser](#)
- Support added for following Operating Systems:
  - macOS – Catalina v10.15
  - CentOS 8.1
  - Debian 10.4
  - Fedora 32
  - openSUSE Leap 15.1
  - RHEL 8.1
  - SLES 15.1
  - Ubuntu 18.04



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### Shopping client for Shopping v6.0

- WSA - Support for nested Task Sequences
- WSA - Autofill WiFi passcode on Connection page if available
- WSA - Option to disable the Location page

### WakeUp client for NightWatchman Enterprise v7.2.500 and v7.3

- Creates a firewall exception for WakeUp with the name **1E Client (WakeUp)** that is port specific.

### Nomad client for Nomad v7.0.200

- Certificate-based client authentication for Nomad P2P communication
- Configuration Manager Enhanced HTTP support
- Support for multiple Certificate Authorities
- Improved PKI client certificate selection logic
- VMWare Workspace One support
- Handling download content for "expired" offer
- Improved handling of updated Software Update content
- Option to reduce election notifications in Nomad logs

### PXE client for PXE Everywhere v4.0

- PXE Everywhere Agent is a client module of 1E Client 5.2
- PXE Everywhere Static Responder (to support DHCP Snooping) now has its own installer

## 1E Client 5.0

### Tachyon client for Tachyon v5.0

- Uses OpenSSL 1.1.1c for secure communication with the Switch and Background Channel

- Tachyon.Performance.Metrics.exe is now included in the 1E Client, previously included in the Windows Endpoint Performance Integrated Product pack
- Tachyon activity record and storage features enhanced to include:
  - Software Performance
  - Operating System Performance
  - Performance data
- New modules: Http.post, Device.GetLocation, Device.SetLocation
- Now uses SQLite 1.29.0
- Windows support confirmed for Windows 10 1909
- Non-Windows now supports Red Hat v8.0 and v6.0
- MacOS now supports Catalina 10.15.1

### **Shopping client for Shopping v5.6**

- No changes - only hotfixes

### **WakeUp client for NightWatchman Enterprise v7.2.500 and v7.3**

- Now creates WakeUp firewall exception with name '1E Client (WakeUp)' and it's now port specific.

### **Nomad client for Nomad v7.0.100**

- No changes - only hotfixes

## **1E Client 4.1**

- Tachyon Agent renamed as 1E Client
- Enhancements:
  - Optimize ProcessUsage Minutes storage
- Improvements to 1E Client on macOS
  - Reading certificates from the macOS keystore
  - DMG file installations
- Agent Historic Data Capture feature renamed as Tachyon Activity Record
- WSA enhancements:
  - Applications page includes all installed, normalized applications
  - Allow conditional download of Windows 10 upgrade packages
  - Check Windows 10 version readiness checks before upgrading
  - Perform In-place Upgrade compatibility check in WSA readiness checks
  - Allow Windows Servicing Assistant to exclude user state migration
  - Required for environments where TLS 1.0 is disabled.
- 1E module library renamed as Nomad, replacing NomadBranch client, and extended to support Nomad 7.0
- Nomad provides an efficient file transfer mechanism that integrates with Microsoft Systems Center Configuration Manager, providing a host of features that maximize download efficiency and minimize WAN link bandwidth usage, and reduction in the number of servers.