

1E Client release information

1E Client 5.2 Release Notes – last updated 23-June-2021

These notes contain late-breaking information about 1E Client that you need to have to successfully install and use the product. For the most up-to-date information please see the [online readme](#). You should read these release notes and the [online documentation](#) for 1E Client thoroughly before installing the software.

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

Online help

Tachyon comes with online help that shows you how to install, configure and use the product. Click the following link to view the help:

- [1E Client documentation](#)

For support queries, please

- use <https://1eportal.force.com> where you can search the KB or submit a support case
- contact support@1e.com.

Known issues

Current known issues related to installation of the 1E Client can be found on the [Known issues](#) page of the 1E Client documentation.

1E Client Release History

Web Release-5.2 (26-Mar-2021)

1E Client 5.2.5.479 - 1E Client Non-Windows 5.2.5.478 - TIMS 5.2.5.479

Features and enhancements

For new features in this release please refer to the top of the page.

Contained fixes - 1E Client

- Q21416 - WSA - VPN username goes missing if the WSA wizard is relaunched without cancelling (TFS 227164)
- Q21408 - Agent - Client - User service instances remain after the associated user session is logged off (TFS 222272)
- Q21406 - Agent - HTTP download - File 4GB+ causes unhandled exception and failure if Nomad is used (TFS 226892)
- Q21386 - Nomad does not work as ACP after CM Client upgrade to 5 00 9040 1015 (CB 2010) (TFS 221969)
- Q21374 - Nomad - Fails to retrieve content locations from the MP if there are no boundary groups except the default (TFS 220818)
- Q21370 - WSA - Validate WiFi VPN Credentials step fails on non-English machines in WSA task sequence (TFS 221362)
- Q21368 - Agent - Methods - FileSystem Find methods can consume significant machine memory (TFS 220092)
- Q21366 - Agent - Methods - Correctly handle logging of error messages when Http.Post method contains the '%' symbol within the Body parameter (TFS 220574)
- Q21364 - Agent - Interaction - Interaction module establishes TCP listener even if module is disabled (TFS 220906)
- Q21358 - PXE boot may fail if multiple network cards are present in the system (TFS 215056)
- Q21346 - WSA compatibility scan fails for non-english machines (TFS 220588)
- Q21330 - Nomad - Failing to get patches from WUMU (TFS 212827)
- Q21328 - Enabling the PXE Module in the 1E Client 5.1 creates an additional 1E.Client.log in C:/Temp folder (TFS 218205)
- Q21324 - Fix shopping module dll signing with correct signature (TFS 219781)
- Q21280 - Agent - Experience shows processes with unrealistically high Processor Time % (TFS 216267)
- Q21278 - 1E Client Shopping module will not initialize when Shopping is configured for SSO (TFS 201787)
- Q21222 - Agent - Client with specific locale settings not reporting in experience (TFS 215037)
- Q21220 - Agent - 1E Client UI notification icon shows Poke with DEBUG or TRACE level logging (TFS 213480)
- Q21218 - Agent - Methods - NativeServices.RunCommand no longer strips trailing whitespace in Output (TFS 216457)
- Q21141 - PXE boot fails when the windows firewall is enabled (TFS 212739)

Contained fixes - TIMS

- Q21230 - Agent - Client with specific locale settings not reporting in experience
- Q21226 - Agent - 1E Client UI notification icon shows Poke with DEBUG or TRACE level logging
- Q21224 - Agent - Methods - NativeServices.RunCommand no longer strips trailing whitespace in Output

Web Release-5.1 (18-Aug-2020)

1E Client 5.1.0.922 - 1E Client Non-Windows 5.1.0.922 - TIMS 5.1.0.922

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 1.2 - Getting feedback via User Sentiment Surveys: What the end-user sees](#), [Tachyon Experience 1.2 - Getting feedback via General Purpose Surveys: What the end-user sees](#) and [Tachyon Experience 1.2 - 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 5.1 - Telemetry data](#) and [Tachyon 5.1 - 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 now a client module of 1E Client 5.1
- PXE Everywhere Static Responder (to support DHCP Snooping) now has its own installer

Contained fixes:

- Q20741 - PXE Boot fails on Microsoft Surface Pro systems (TFS 195659)
- Q21094 - Agent - Handle leak in ConvertNonStandardExecutableName (TFS 209269)
- Q21092 - Agent - Infrastructure - Additional TachyonGUID/device generated if WMI is not available (TFS 207251)
- Q21088 - Unable to download Pre-cache Content from Cloud DP on VPN clients (TFS 207646)
- Q21070 - Add Shopping v6 Support to 1EClient (TFS 200984)
- Q21060 - 1E Client (WakeUp) rule created multiple times in Windows Defender Firewall (TFS 201823)
- Q21048 - CertIssuer - specifying issuer name sub string does not work for selecting Server Auth PKI cert for Nomad P2P / PBA over HTTPS (TFS 204608)
- Q21020 - Support pre-caching on internet clients using AE on internet and content distributed on CDP or IBCM based DP. (TFS 203685)
- Q21018 - Nomad failing to download the content in first attempt (from CMG) and succeeding in second attempt after 10 min (TFS 200803)
- Q21004 - Agent - Experience - Operating System service failure - report the extra fields (TFS 200866)
- Q21002 - Agent - Infrastructure - Reading output from child processes may fail (TFS 200539)
- Q21000 - Agent - Experience - Better INFO logging and log ERROR if PdhOpenQuery() fails (TFS 200100)
- Q20998 - Agent - Experience - .tmp files are being reported under Software & Product and Executable column (TFS 200571)
- Q20996 - Agent - Experience - Client should report Processor queue length averaged across number of cores (TFS 200097)
- Q20972 - Nomad fails a download when similar expired deployment is present (TFS 172581)
- Q20970 - Nomad Task Sequence steps fail if Nomad module is not initialized (TFS 197292)
- Q20968 - If using SMB to download content from DP in WinPE, the login to the DP share failed and Nomad failed to download the content. (TFS 200073)
- Q20966 - The Pre-stage Content Using Nomad step failed to download content over SMB if the SMB path had a backslash at the end (TFS 199950)
- Q20964 - If enhanced http was enabled, the Pre-stage Content Using Nomad step failed to download the content. (TFS 200380)

Web Release-5.0 (19-Mar-2020)

1E Client 5.0.0.745 - 1E Client Non-Windows 5.0.0.745 - 1E Client Android 5.0.0.745 - TIMS 5.0.0.745

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

Contained fixes:

- Q20775 - Agent - GetInboundMappedDriveHistory default columns does not contain 'Port' (TFS - 198528)
- Q20773 - Agent - Some patches pending reboot have a GUID but no KB ID or Title. (TFS - 198284)
- Q20739 - WakeUp - Improved logging for WakeUpAgt.exe at debug level (TFS - 195904)
- Q20737 - Tachyon - Agent - Network.GetArpEntries() shows incorrect CIDR mask (TFS - 195491)
- Q20733 - Nomad local SSD is not working (TFS - 192409)
- Q20705 - WSA IPU doesn't fire Task Sequence after upgrade to SCCM 1906 (TFS - 186332)
- Q20694 - Nomad - when an LST is created for a cloud DP a zero byte file causes download failure (TFS 187014)
- Q20682 - Nomad - LSZGEN fails on long file path with Nomad SECure enabled (TFS 187318)
- Q20680 - Nomad - LSZGEN issues on DP when CACHEPATH installer property has no trailing backslash (TFS 187334)
- Q20678 - Nomad - Physical path in the LSZFILES virtual directory in IIS is not updated when LocalCachePath is changes after installation (TFS 188203)
- Q20676 - Nomad downloads previous version of content (TFS 145160)
- Q20674 - Nomad - Captive Portal Web page (eg Logon Page from Public Wifi) may cause issues with Nomad Downloads (TFS 156478)
- Q20672 - Nomad fails to download updated task sequence references with ConfigMgr Pre-download option (TFS 182309)
- Q20670 - Nomad service failure on PBA host with hidden share enabled during PBA backup (TFS 169339)
- Q20666 - Nomad - PBA Size estimation doesn't update TS progress bar (TFS 184347)
- Q20664 - Nomad not failing package on CRC failure (TFS 136381)
- Q20662 - Nomad Status Message Improvements (TFS 107195)
- Q20660 - Nomad service may fail whilst running cache cleaner manually (TFS 164341)
- Q20658 - Nomad - Unable to download 0365 updates with Nomad (TFS 159484)
- Q20624 - WSA doesn't fire Task Sequence after upgrade to SCCM 1906 (TFS 186332)
- Q20612 - WSA wireless check (Readiness check) fails if the device connects to both wired and wireless networks (TFS 185832)
- Q20592 - Nomad - 1EClient Nomad Module's install fails if Windows Firewall service is disabled or in stopped state (TFS 185011)
- Q20590 - Tachyon - Agent- Methods - FileSystem.GetVersionInfo should return data even if OriginalFileName is missing, and should return SuccessNoContent instead of an error if it fails (TFS 184879)
- Q20588 - Tachyon - Agent - 1E Client service terminates unexpectedly after a Patch.Deploy failure response using SCCM (TFS 185003)
- Q20586 - Tachyon - Agent - Patch.Deploy returns 2 rows on success and none on failure if the PatchSpec is a GUID (TFS 184668)
- Q20558 - WSA support in a multi domain environment (TFS 182470)
- Q20556 - Tachyon - Agent - exception in Patch.List() while awaiting a reboot to install patches (TFS 183650)
- Q20506 - WSA support for FireFox in WSA-ServiceNow (TFS 176154)
- Q20504 - WSA support for ServiceNow integration with WSA in Shopping (TFS 176084)
- Q20502 - Tachyon - Agent - Initial policy evaluation should be asynchronous (TFS 180719)
- Q20500 - Tachyon - Agent - Exclusivity control for Scripting.Run* and NativeServices.RunCommand methods (TFS 180718)
- Q20498 - Tachyon - Agent - Reduce noisiness of logging when Nomad is used (TFS 180717)
- Q20496 - Tachyon - Agent - Nomad download should check Tachyon Agent cache first (TFS 180714)

Web Release-4.1 (21-JUN-2019)

1E Client 4.1.0.267 - 1E Client Non-Windows 4.1.0.267 - 1E Client Android 4.1.0.267 - TIMS 4.1.0.267

Tachyon client for Tachyon Platform v4.1

- 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

Shopping client for Shopping v5.5.200

- 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.

WakeUp client for NightWatchman Enterprise v7.2.500

- No changes other than renaming Tachyon Agent as 1E Client.

Nomad client for Nomad v7.0

- 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.

Contained fixes:

- Q20428 - Tachyon - Device.GetOutboundPrinters() crashes when handling empty registry values (TFS - 173720)
- Q20390 - Nomad - Allow WSA to exclude data backup (TFS 129030)
- Q20384 - Nomad - Cache cleaner unable to remove content when cache already exceeded configured size (TFS 164413)
- Q20382 - Nomad O365 download from untrusted forest not using Network Access Account (NAA) (TFS 169177)
- Q20368 - Nomad - Active Efficiency Web service logs exception if FQDN is missing from client data (TFS 165641)
- Q20350 - Nomad - Same "disqualified" master keeps winning elections. (TFS 163708)
- Q20322 - Nomad - Don't download content to USB if it's already in the Nomad cache (TFS 129581)
- Q20314 - Nomad - HTTP Proxy causes failures while downloading from Windows Update (TFS 165017)
- Q20310 - Nomad Service Failure while logging disqualification details (TFS 163707)
- Q20266 - Nomad - SMSTSNomad fails if the Nomad service is slow to start (TFS 154961)
- Q20262 - Nomad - NMDS ExtraReplyDelayMS setting capped at 5000 (TFS 154089)
- Q20260 - Nomad download logs CopyLoopWait CopyError: Missing File(s) (TFS 127424)
- Q20256 - Nomad failing to download SU from Cloud Distribution Points (TFS 154773)
- Q20254 - Nomad - TLS 1.2 compliance testing and fixes for Nomad (TFS 151453)
- Q20252 - Nomad - CTM DP order with neighboring boundary group DPs (TFS 153928)
- Q20250 - Nomad O365 downloads fail when requested range does not exist. (TFS 151169)
- Q20248 - Nomad - Active Efficiency Nomad sync is failing with a "Arithmetic overflow error converting expression to data type bigint." error (TFS 71746)
- Q20246 - Nomad - Cannot download software updates from Windows Update (TFS 120735)
- Q20198 - Nomad - LSZ downloads fail when package contains files with Unicode names. (TFS 154033)
- Q20196 - Nomad - Ignore Local SSD if machine is in a NomadInhibitedSubnet (TFS 127086)
- Q20194 - Nomad - SSD queries may connect on inhibited subnets if the master moves (TFS 131988)
- Q20192 - Nomad - Active Efficiency experiencing database deadlocks at high utilization (TFS 135419)
- Q20144 - Nomad - Express Update support for Nomad (from on premises DP) (TFS 146643)
- Q20142 - Nomad - RDC doesn't work in some cases (TFS 145476)
- Q20138 - Nomad - SMSTSNomad does not set cache priority correctly (TFS 131034)
- Q20136 - Nomad - Issues working Nomad HTTP with WINHTTP Proxy (TFS 125541)
- Q20134 - Nomad - Disqualifications sent when too many connections reached over HTTP(S) (TFS 129719)
- Q20132 - Nomad - Slow Nomad downloads from DP when BranchCache is enabled (TFS 109497)
- Q20130 - NomadBranch Range Overlap Exception (TFS 116165)
- Q20128 - Nomad Not Sending Error Status Messages (TFS 102476)
- Q20056 - NomadBranch fails on NMDS_FIND HTTPPull when trying to restore a PBA user state backup; (TFS 143320)