

Secure unified digital workspace

CACHATTO®

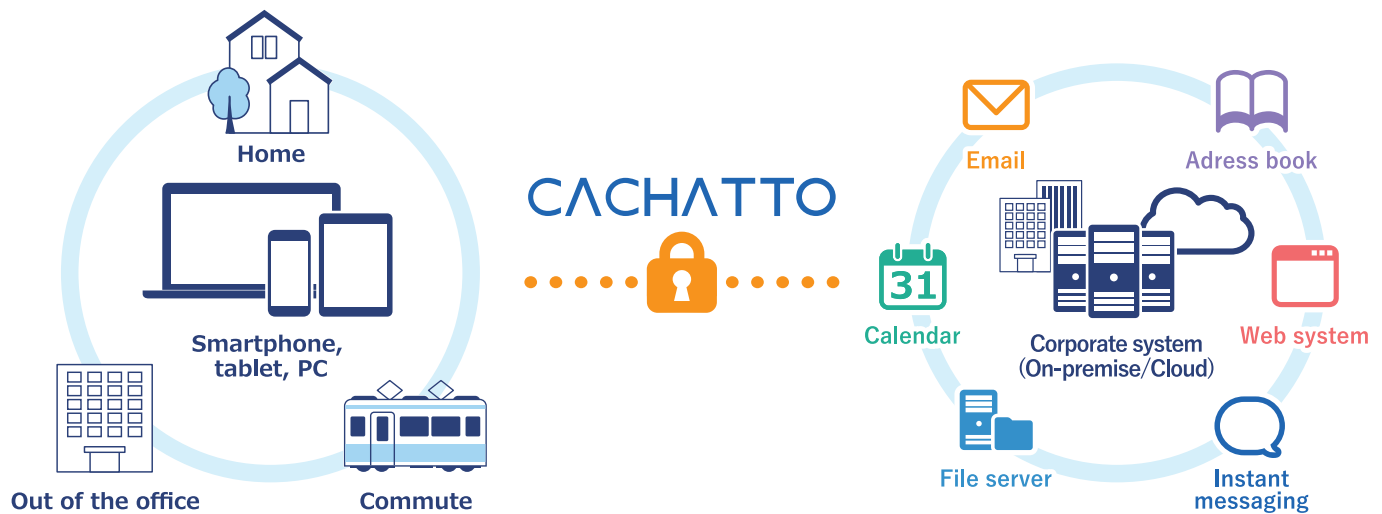


Secure access
Anytime, anywhere, any device



CACHATTO®

CACHATTO is a remote access service that enables highly secure access to the intra/cloud business system from a variety of terminals. It ensures a secure delivery of the right applications and data to the right users, on the right device, at any time and in any location.



CACHATTO system environment delivers the best user experience, enabling users to work in any scenario



Key points of CACHATTO

Security



Browsed data is not left on device, and cannot be taken out



Strong authentication/security check



Minimises possible security risks to the terminal or inside of the organization by not directly accessing in-house systems

Simple installation



No VPN is required, no firewall setup change is required, and no significant system change is required



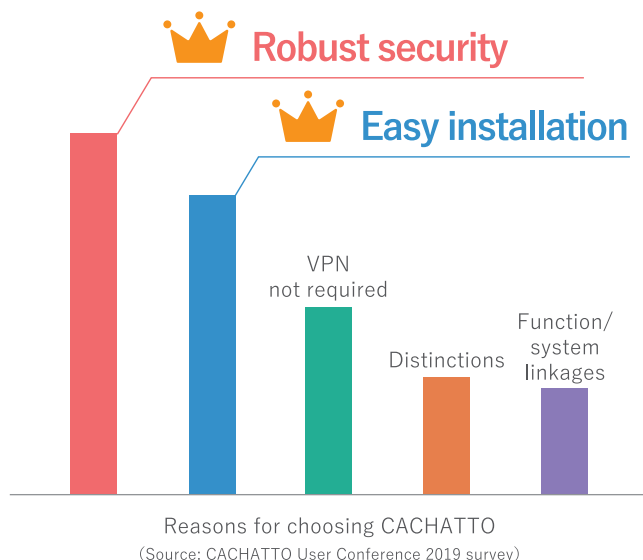
Can be used anywhere with an Internet connection



Simple deployment through CACHATTO server installation

Reasons for choosing CACHATTO

CACHATTO has been praised by many customers not only for its robust security and easy installation, but also for being a platform that can support work-style reform; this is why it has been adopted by many business entities and government offices.



Market leader for 9 consecutive years*¹



Over 1,480 business entities and 750,000 users

Accumulated number of users as of September 2021



Adopted by leading companies from various industries



Privately owned smartphones are capable of securely connecting to the company intranet, **so users are able to avoid missing business opportunities even when outside the company.**

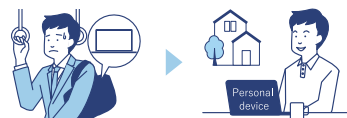


Its easy installation and robust security are its most attractive points. **Deployment to users can be conducted easily** regardless of the type of terminal.



Easy setup
Easy operation

Since privately owned devices can be used securely, it **eliminates the need to take a company-provided PC** for work outside the office or during holidays.



With simple implementation and low-cost installation, it supports the **company's work-style reform to reduce hours of work overtime and increase work from home.**



Ease of use



Able to access to both on-premise and cloud-based systems



Use on various devices:
CACHATTO's unique user interface is optimised for each device



Register up to four devices with a single user licence
(when device authentication is enabled)

Safe



Prevent off-hours and holiday work by controlling the available usage times



Dynamic and individualised access perimeter for each
(SDP: Software Defined Perimeter)



Check the use conditions of users and server operation conditions from the dashboard

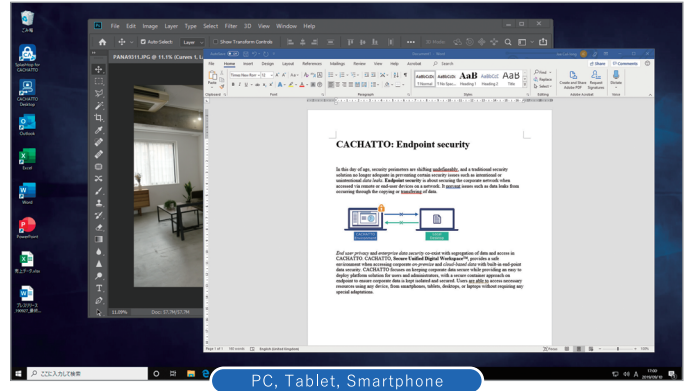
*¹ MIC Research Institute Ltd., 'Cyber Security Solution Market Current Status and Future Outlook' – in the 'Remote access tools for smart-devices' (Published in December 2020)
ITR Corporation, 'Unified Endpoint Management Market 2020' – 'Secure Gateway/Browser market' (Published in August 2020)
Fuji Chimera Research Institute, Inc., 'Remote-access related tools 2020' in Communication-related marketing (Published in October 2020)

Business systems compatible with CACHATTO



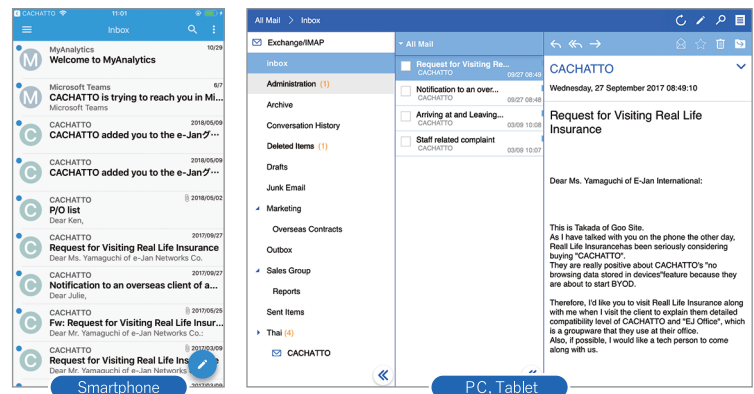
Remote desktop (In-house PC remote access)

In-house PC or VDI (Virtual Desktop) can be operated remotely via remote desktop connection. Users are able to accomplish their tasks similarly as working in the office by using their own personal computer at home.



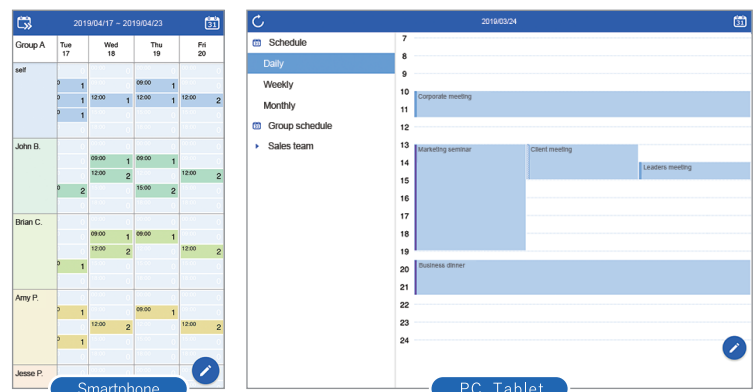
E-mail

CACHATTO allows users to access and perform basic email functionalities, as well as view email attachments and attach photos to outgoing email messages.



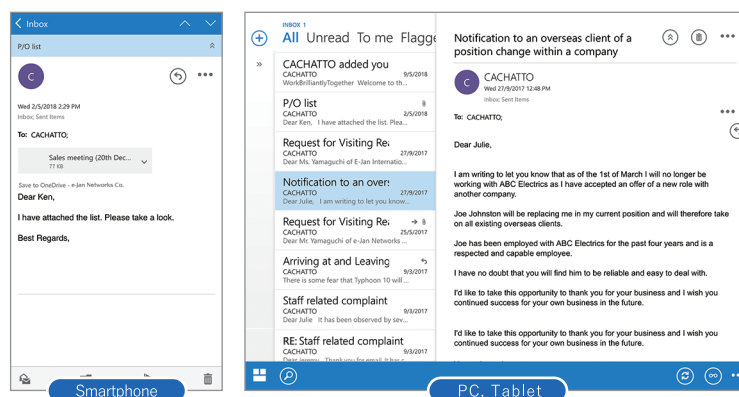
Calendar

CACHATTO allows users to view schedules and respond to invitations to meetings. CACHATTO also enables users to check listed group members' schedules.



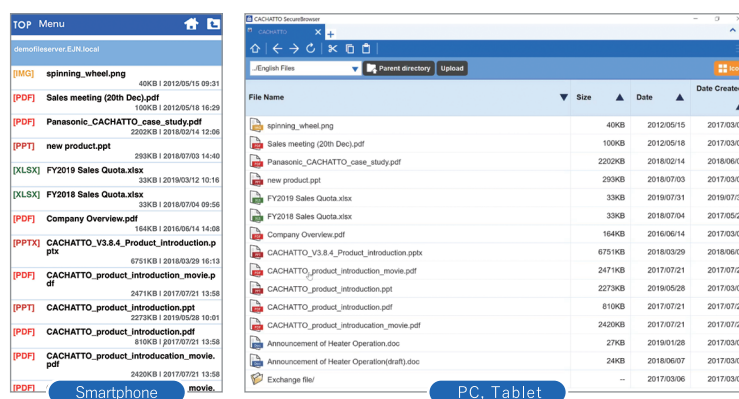
Web systems

Secure access to cloud services such as Microsoft 365 and in-house web-based groupware or bulletin boards.



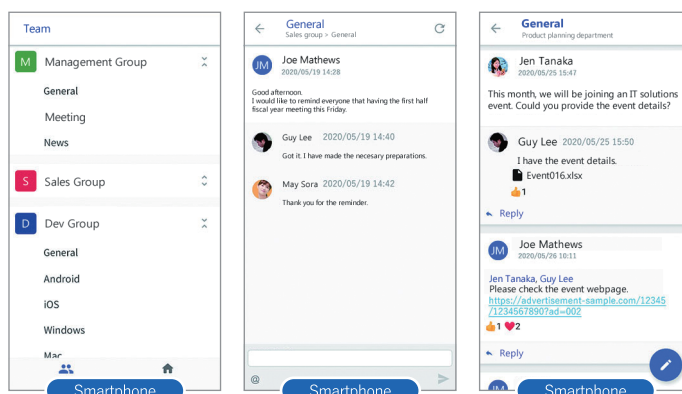
File server

CACHATTO allows users to view and edit files saved in the in-house file server. Moreover, access to files and folders connected with an Active Director can be granted to specific users.



Instant messaging

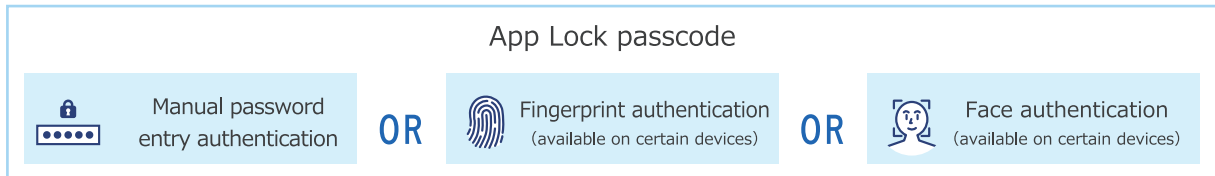
View and send instant messages securely through Microsoft Teams integration. Since operation is done via CACHATTO SecureBrowser, no application installation is required and no messages are stored on the device, preventing any risk of data leakages.



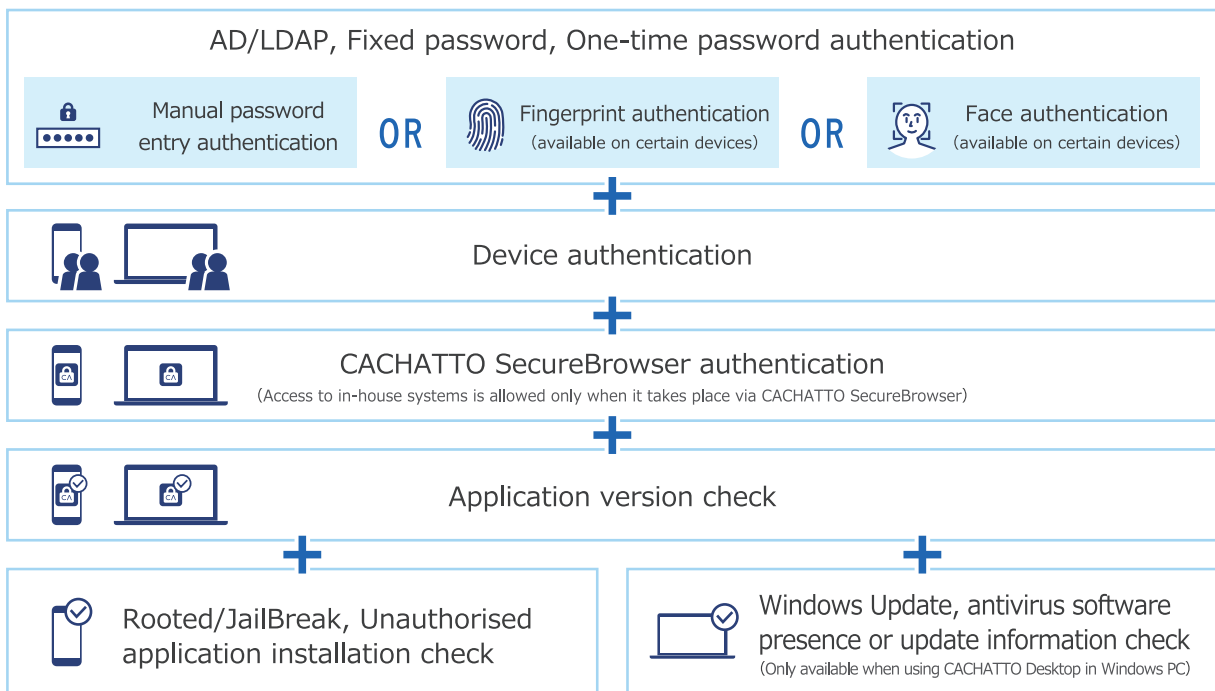
Strong authentication/security check

Various authentications and security checks can be combined for operation. Login is granted after multilevel authentication to prevent spoofing, and various security checks ensure terminal security.

Application startup

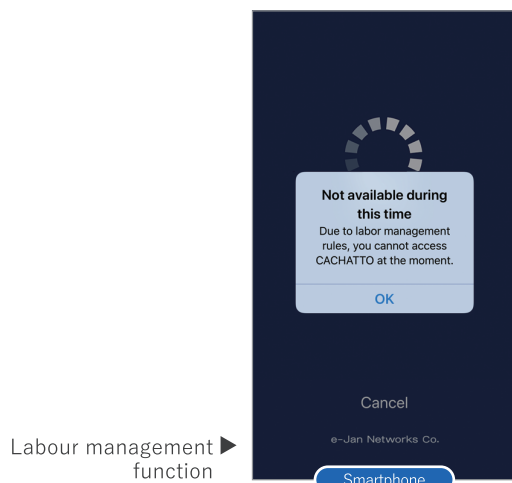


Login



Labour management

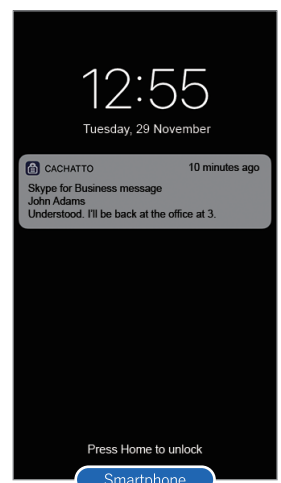
Enables administrators to restrict/specify the days and hours an individual user can access CACHATTO.



Labour management function

Push notification

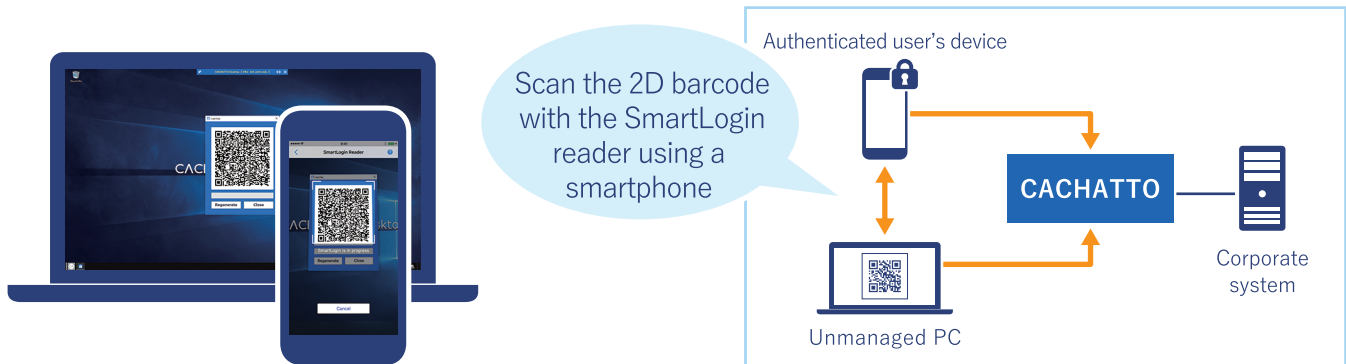
Send notification messages which informs the user with new mail and Exchange schedule to their devices.



Push notification function

CACHATTO SmartLogin

Smartlogin is a secure and simpler approach to PC app login authentication. It is a quick and simple login verification method, authenticating users to login to CACHATTO PC using a smartphone.



Authentication/Login procedure

Install and launch a CACHATTO PC application



Login to CACHATTO SecureBrowser with a smartphone and tap the SmartLogin icon



Scan the 2D barcode displayed on PC screen with a smartphone

2D barcode will expire after 60 seconds



Authentication via SmartLogin complete

Login complete



Point

- Privately-owned PCs (unmanaged PCs) can be used for work smoothly and securely
- System is easy to deploy by simply installing the desired CACHATTO application on the PC
- Login credentials need to be set on PC, making setup and authentication quick and simple

Use case scenarios

Business continuity plan in cases where there's difficulty to go to work due to a disaster or an unexpected incident

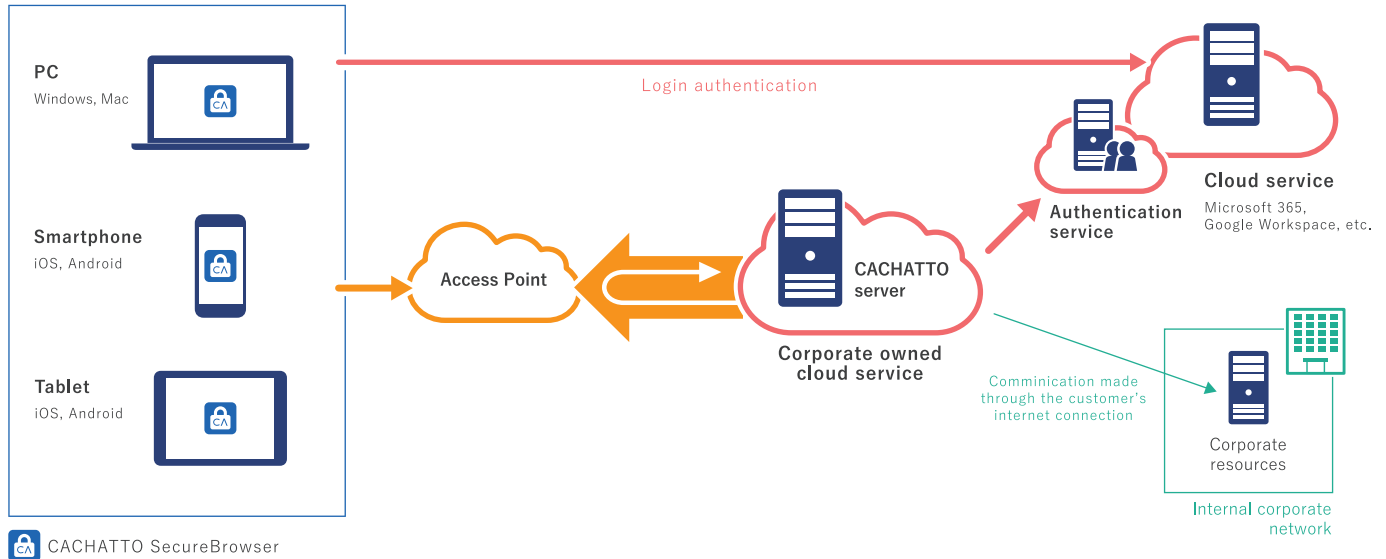


Privately-owned PC can be used for teleworking instead of bringing company-provided PC every day



Installation in Cloud

CACHATTO servers can be built on public cloud services on which customers have made a contract, such as Amazon AWS and Microsoft Azure*².

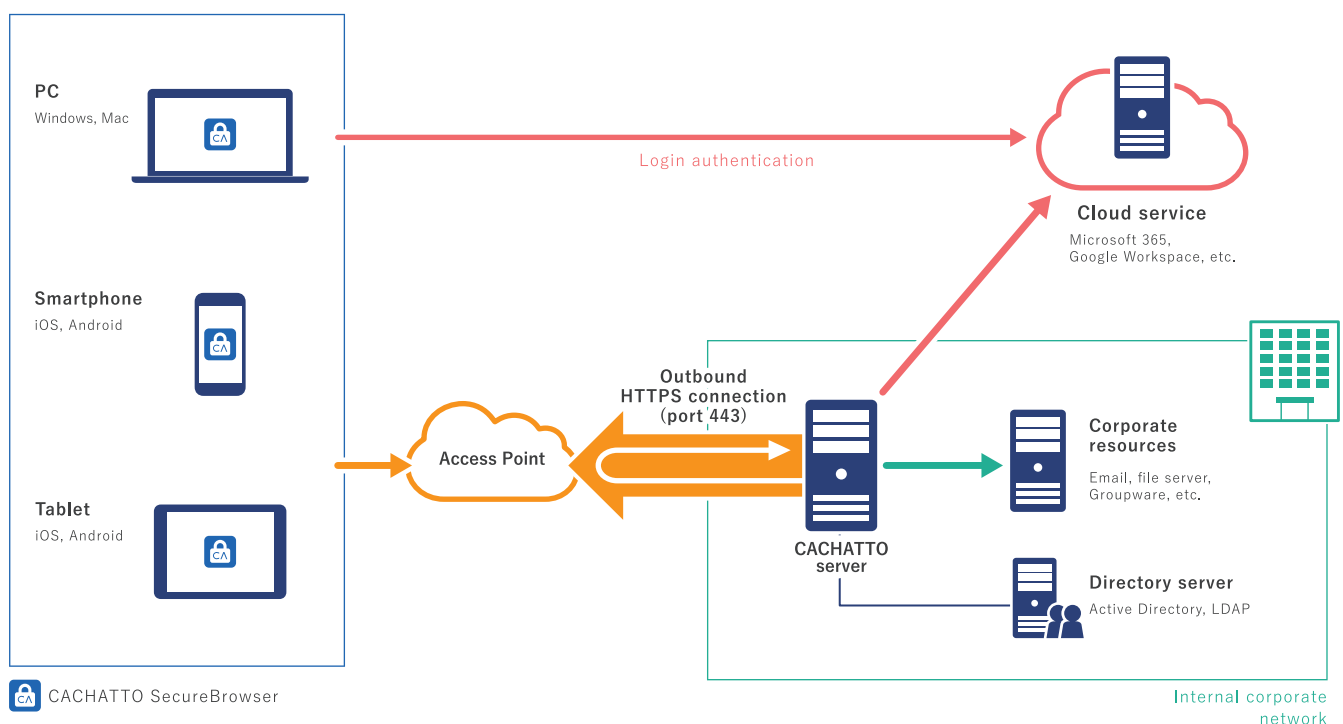


Cloud hosting for AWS (option)

e-Jan Networks also provides hosting service by building a server on AWS.

On-premise installation

A CACHATTO server is placed within the corporate network. Access to the CACHATTO server takes place via CACHATTO access point. the firewall does not need to be changed, making implementation simple and easy.

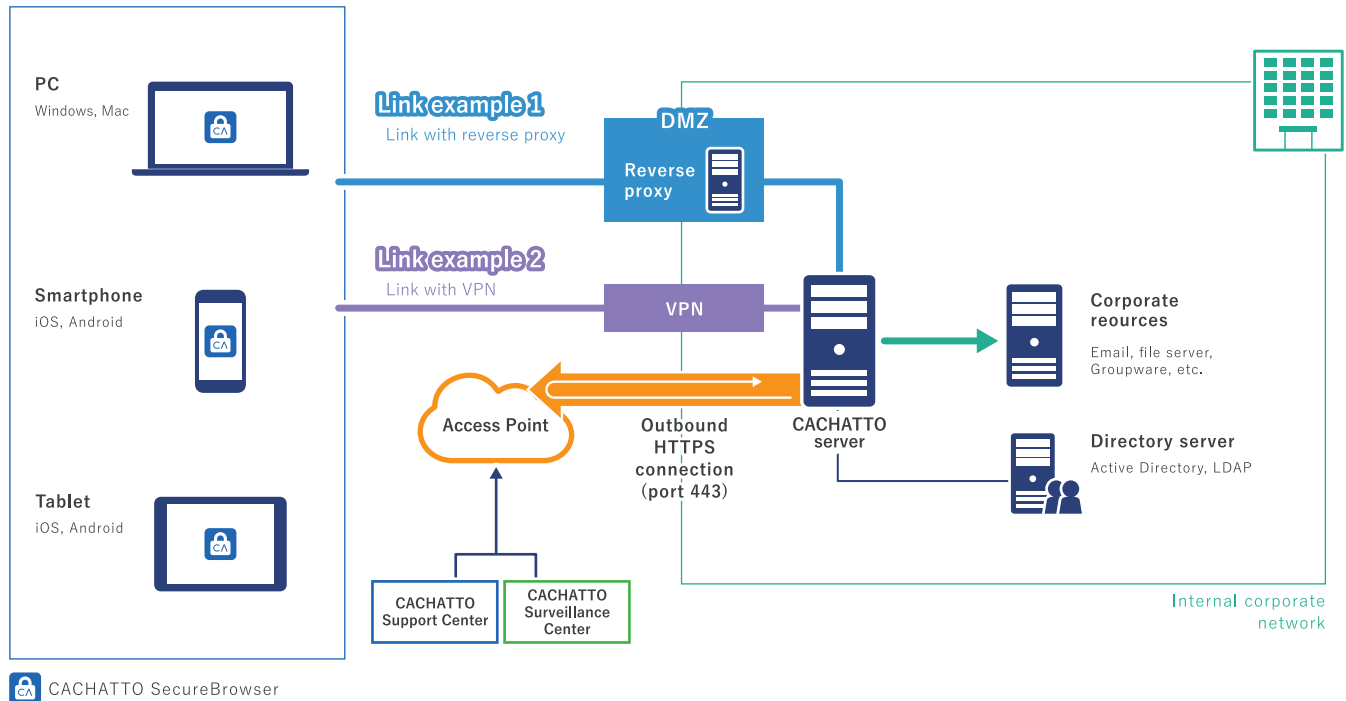


*When the push notification function is in use, it is necessary to permit connections from the CACHATTO server to the Apple Push Notification service (APNs) and Firebase Cloud Messaging (FCM) on the Internet. In this case, however, the Android terminal's push notification functions are occasionally unavailable in countries where FCM cannot be used.

*To use CACHATTO in linkage with the in-house Active Directory, it is also mandatory to use it in linkage with an AD FS Proxy Server, an Active Directory Federation Server, or other similar services.

CACHATTO Direct Access (Access without the use of CACHATTO Access Point)

The CACHATTO server is built in conjunction with reverse proxy and SSL-VPN. This approach is intended for customers for whom stronger security is essential, such as for CACHATTO use in closed networks.



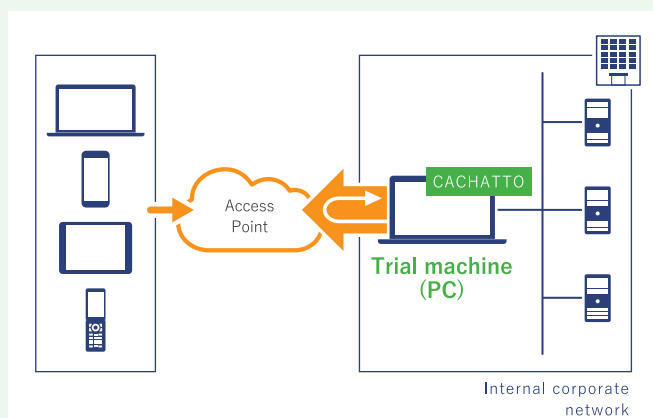
1 month
free trial

Don't hesitate to try out CACHATTO in your environment

MENU 1

Connect a CACHATTO preinstalled PC

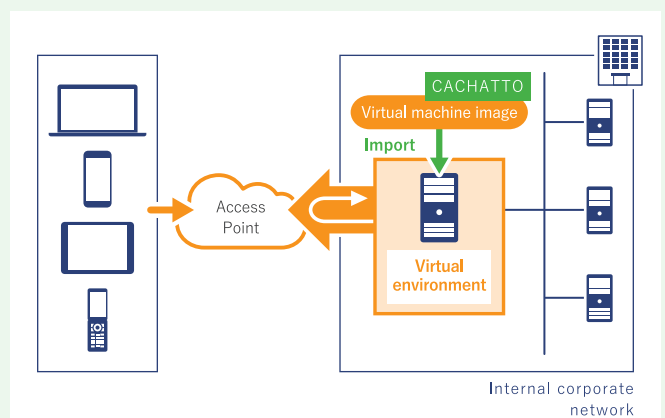
e-Jan Networks lends you a CACHATTO preinstalled PC. You can try out CACHATTO by connecting the PC to your LAN.



MENU 2

Build a virtual machine in the virtual environment

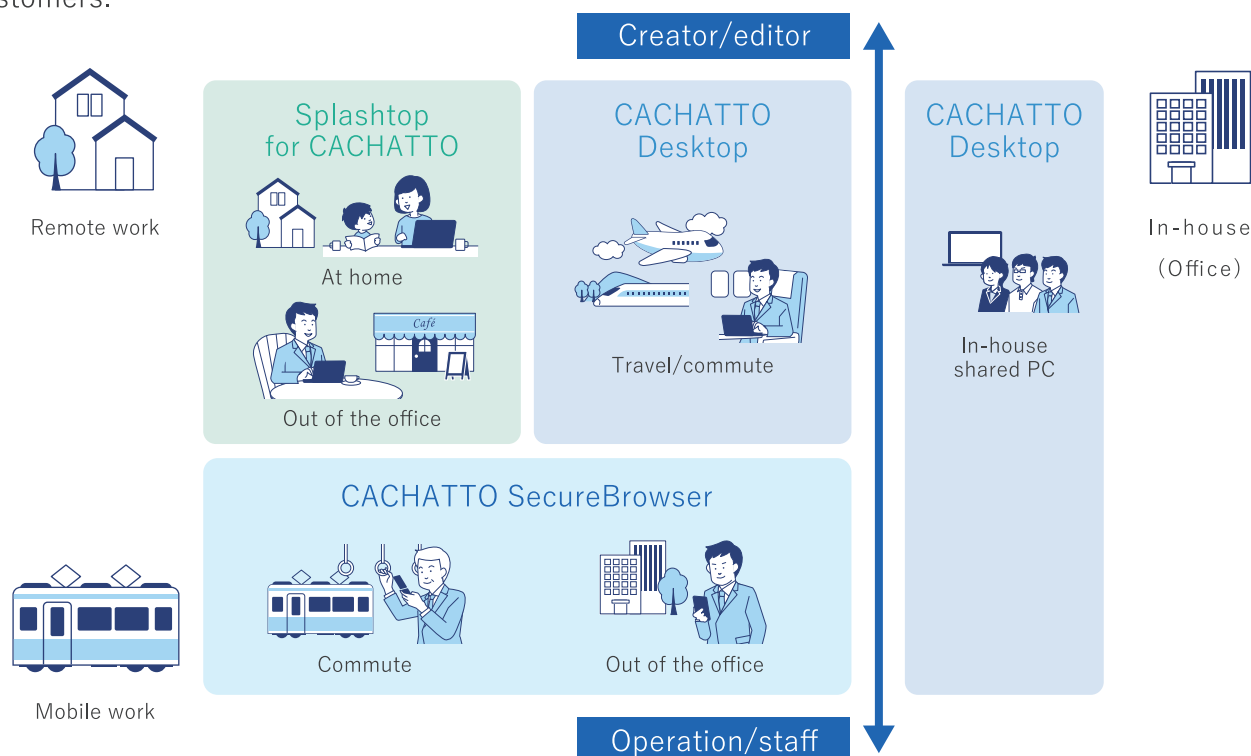
You can import a virtual machine image into your virtual environment (Hyper-V, VMware) to try out CACHATTO.



*2 For details on currently available cloud services installed, visit the CACHATTO website.

CACHATTO application

CACHATTO addresses the clients' needs by providing the most appropriate solution for the customers.



Product comparison table

		CACHATTO SecureBrowser	CACHATTO Desktop	Splashtop for CACHATTO
Product form		SecureBrowser	Virtual workspace	Remote desktop
Security		Restricts unauthorised data movement outside of app	Downloads files onto virtual workspace, edits the files, and deletes data from workspace at the end of session.	Only provides image screen to remote access device
Use form and network environment		Performs corporate access remotely with an internet connection		Performs desktop access to in-house terminal PCs or VDI using an internet connection
VPN environment		Not required		
Client's access destination		Various business systems such as email servers, file servers, and in-house web servers (via CACHATTO server)		In-house PC
Available application	Microsoft Office	Browse files, edit, upload (Edit and upload are available on iOS and Android only) *1	Browsing, editing, creating, and uploading files	Possible to operate all applications available in the in-house PCs
	Others	—	Possible to use depending on administrator permissions (restrictions on operable applications may apply)	
Use of legacy web systems including exclusive use of Internet Explorer etc.		Partially available with CACHATTO SecureBrowser	Partially available with CACHATTO SecureBrowser and internet browser	Available from in-house PCs
Offline use of files		Emails and attachments are possible (available on iOS and Android only)	Possible	—

*1 Use MailClient function when editing /uploading on iOS or Android.

CACHATTO-dedicated secure browser (standard browser)

Secure access to corporate system preventing data leakage through a secure browser
- No accessed data is stored on end-device, preventing any data leakages

Providing a safe environment when accessing corporate resources without compromising user agility or corporate manageability



Point

- Browsed data is not left on end-device, nor can it be copied or taken out



Restricts copy & paste



Disables screenshot
(iOS, Android, Windows)



No data or files stored
in local device



Printing restrictions

- Implementation of CACHATTO-specific MDM (Mobile Device Management) functions



Application lock
implementation



Access-time
control settings



Clear user credentials
when app lock fails
(Number of attempts can be set)

- Identity-centric network connection: user-based resource allocation
- Editing and uploading of files to portal sites or send as email attachments possible

MailClient function

Ease of operation with native mail interface



iOS, Android



Offline capabilities

Loaded messages are temporarily retained until cache is cleared upon logout, thus allowing to browse or compose email drafts even in areas with unstable internet access.

- Accessing loaded email messages and creating draft messages
- Opening downloaded email attachments

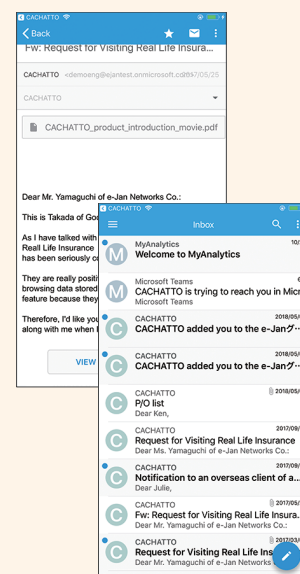


View and edit files on smart devices

Users are able to view and edit Office, PDF and text files using a dedicated editor.

- View and edit downloaded files
- Send as email attachment or upload to portal

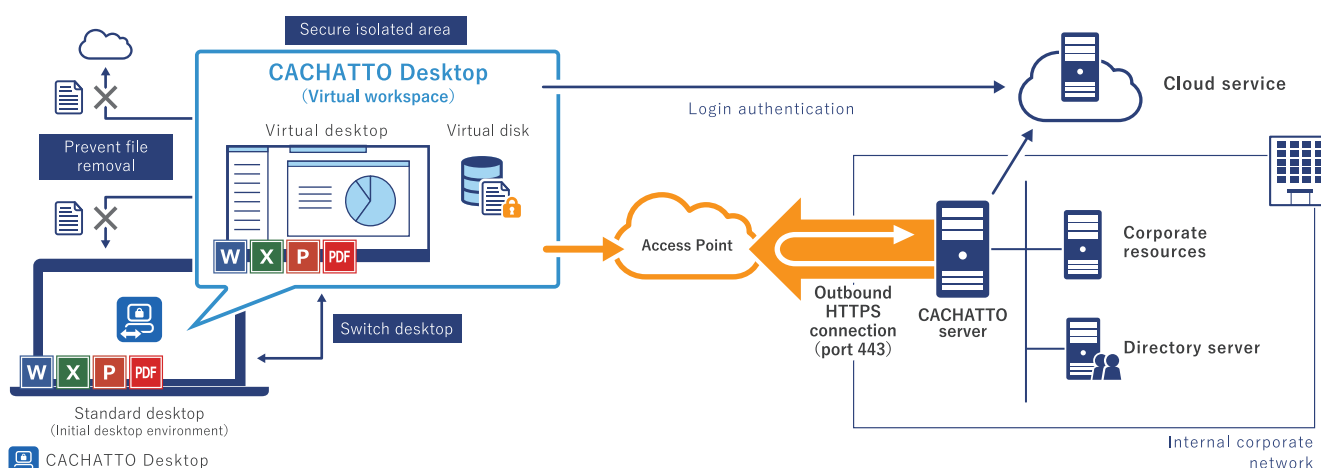
* Visit the CACHATTO website to see mail server system specifications



Secure Virtual Workspace

CACHATTO Desktop enables secure from access both 'managed' (in-house PCs) and 'unmanaged' PCs (privately owned PCs or PCs connected on extranet).

A secure virtual workspace (sandbox environment) is generated temporarily in the local Windows PC or Mac, enabling isolated access to various corporate resources within a secure environment.



Point

- Access to corporate resources and use of files are allowed only within the virtual workspace
- Viewing and editing files is still possible even in areas with unstable internet access*¹
- Checks the security status of Windows PC prior to login as added security
- Data is cleared alongside the workspace upon end of session; no data is left in the device

Use case

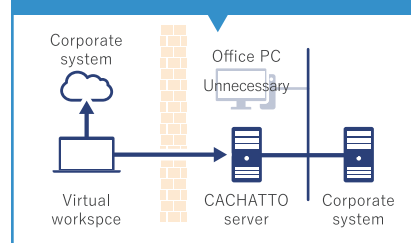
Editing Office files outside the office, especially in unstable network environments



Sharing confidential files among partners or affiliated companies



Access to corporate system without the need to connect to an office PC



Isolation between virtual and local desktop

Access to corporate resources and use of files are allowed only within the virtual environment.

Offline capabilities

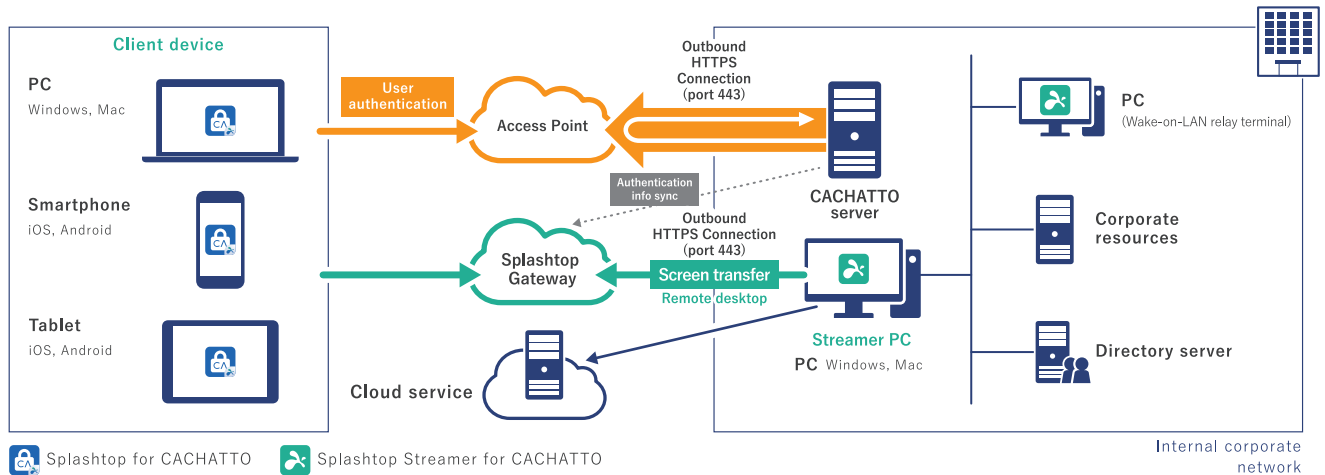
Viewing and editing files can be done without being affected by internet connection stability. Files can be edited using applications from local resources.

*Office applications needs to be intalled on Windows/Mac

Secure and managed remote desktop

Remote desktop solution with enhanced security and operation management capabilities, enabling a user-friendly remote desktop environment without compromising security and manageability

Splashtop for CACHATTO can be easily deployed by installing a dedicated app in the remote access terminal and dedicated streamer in the in-house terminal*1. Neither VPN installation nor changes in the firewall settings are required.



Point

- User authentication using password input or biometrics scanning, and device authentication can be used to authenticate login access
- Built-in with Wake-on-LAN feature
- Streamer/client device file transfer, text copy & paste and remote printing are possible*2
- Microphone input from client to streamer PC is possible via remote audio function

Use case

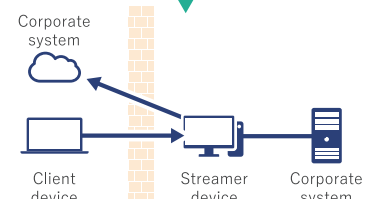
For remote work at home or anywhere outside the office



Dedicated in-house applications made available outside of the office



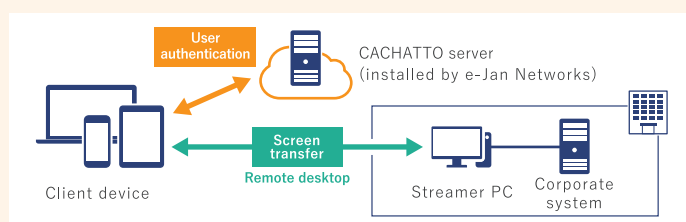
Enables users to work remotely similarly as working from the office



Quick and simple deployment

Splashtop for CACHATTO Cloud pack builds a secure remote work environment which provides remote desktop services in the cloud. Easy-to-deploy remote desktop solution for any organization.

Splashtop for CACHATTO Cloud Pack



*Splashtop for CACHATTO and Wake-on-LAN may not be optimal for use depending on current environment. Please use Splashtop for CACHATTO trial in your environment prior to installation. *This option cannot be used for CACHATTO direct access. *Connections from both the CACHATTO server and streamer PC to the Splashtop gateway must be permitted. *1 It is necessary to install the LoginApp (for Windows) in a version compatible with Splashtop for CACHATTO or CACHATTO SecureBrowser (for iOS, Android, or Mac). *This feature can be enabled/disabled by the administrator. *2 These functions can be enabled/disabled by the administrator in the Administrator page.

CACHATTO and VDI solution comparison

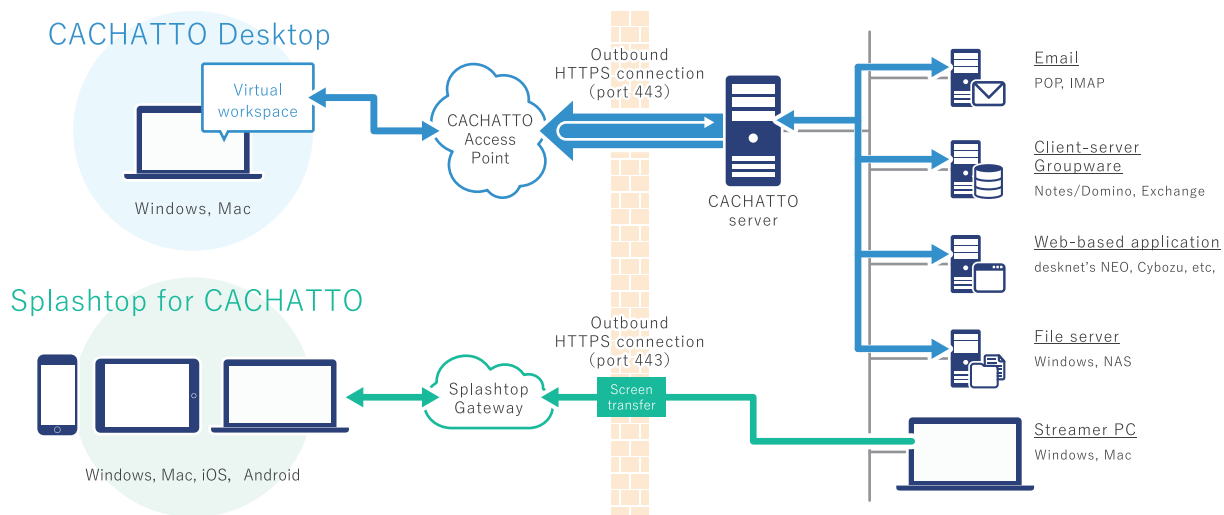
Unlike VDI, CACHATTO is simple and quick to deploy, as it does not require data center re-architecture, server sizing for virtualization or SAN. Easy configuration & management with no changes to firewall, no special ports, no VPN requirement. CACHATTO co-exists with enterprise infrastructure.

	CACHATTO	VDI
Installation and maintenance cost	Minimal CapEx coupled with simplified management and BYOD leads to reduced IT costs	High upfront cost and system re-structure (Hardware and deployment expenses)
Deployment and management	No changes to firewall, no special ports, no VPN requirement	Complex system implementation and management
Network connection	Has offline capabilities (CACHATTO SecureBrowser, CACHATTO Desktop)	Stable network required

CACHATTO Desktop and Splashtop for CACHATTO comparison

CACHATTO Desktop accesses the corporate system via the CACHATTO server.

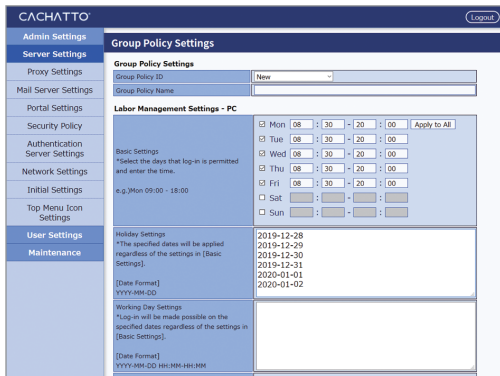
Splashtop for CACHATTO authenticates the users via the CACHATTO server enabling them to connect to the user's office PC.



	Splashtop for CACHATTO	CACHATTO Desktop
Accessing system	Streamer PC or virtual machine in company's intranet	Internal corporate resources
Access method	Screen transfer	Sandbox environment is created on end-device, and internal resources accessed through CACHATTO
Network connection	Stable network required	Connection only required when logging in and transferring data
Offline capabilities	N/A	Yes (Viewing loaded email messages and editing files)
Supported OS	Android, iOS, Windows, Mac	Windows, Mac
Others	All applications accessible by the streamer PC can be used	<ul style="list-style-type: none"> Local applications may be used for smoother operation Usable application may be limited

CACHATTO operation

CACHATTO management and operation are done through the Administrator page (web page), accessible only within the internal corporate network.



Main features

- CACHATTO's unique MDM function settings
- Labour management (access-time control) settings
- User and terminal settings
- Email server and application settings
- Proxy server and security policy settings
- Log audit (administrator/user)
- CACHATTO online update

Check usage and operation conditions at a glance! Dashboard function

The dashboard function makes it possible to view and check information concerning the operating conditions of the CACHATTO server, user login condition, operation systems (OS) in use, and CACHATTO version.



CACHATTO support

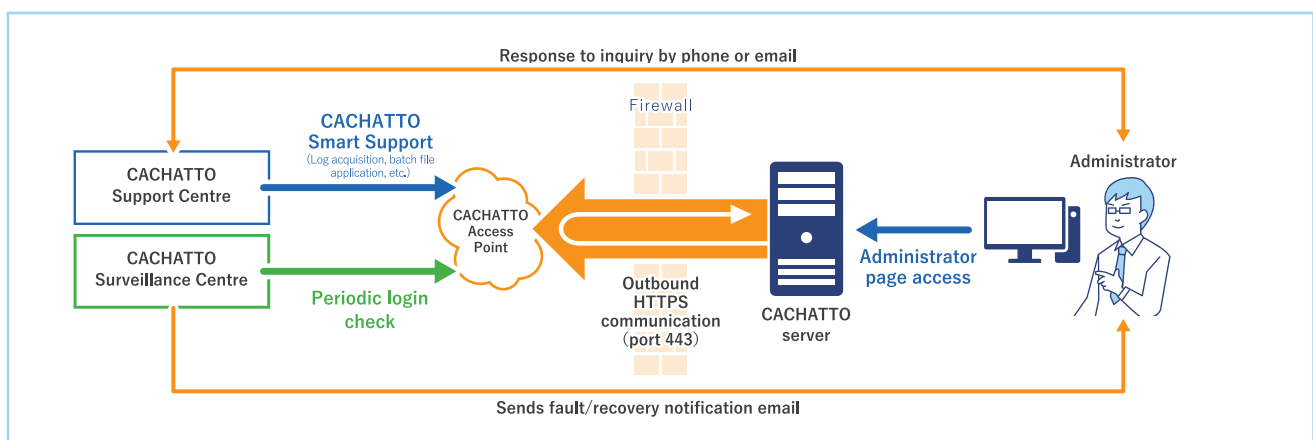
CACHATTO Global Helpdesk provides well-rounded support to system administrators.

CACHATTO Support Centre

- Response to inquiry by phone or email
- CACHATTO Smart Support

CACHATTO Surveillance Centre

- CACHATTO service login check
- Service fault or recovery notification for administrator by email



What is CACHATTO Smart Support?

Log acquisitions and setting changes can be performed remotely. These operations are performed via CACHATTO Access Point. e-Jan Networks does not have direct access to clients' corporate networks or servers. Above operations are provided after receiving approval by your administrator (i.e., after setting permissions in the Administrator page).

*When CACHATTO direct access is used, connection to the CACHATTO access point is required only during CACHATTO Smart Support.

Descriptions given in this brochure assume that users employ the latest versions of CACHATTO servers and CACHATTO client applications.

Supported applications and servers

Web applications	Microsoft 365	Groupware server	Notes/Domino
	Google Workspace		Exchange
	SharePoint Online	Mail server	POP3/APOP supported server
	Box		IMAP4 supported server
	desknet's NEO	File server browse	Windows Server
	Cybozu Office	function supported system	NAS
	Cybozu Garoon	Instant messaging	Microsoft Teams
	INSUITE		(Microsoft Teams integration does not support voice/audio calls)

*Occasionally, some functions are restricted or cannot be used depending on the version or customisation of a linkage application, terminal in use, or interface (for mobile phone, smartphone, tablet, or PC). For more information, access the CACHATTO website. *For use with mobile phones, options provided by respective vendors may be required (these may be paid options).

Operating environment

Vist the CACHATTO International website to see details on system operations and download the latest CACHATTO specification sheet.

CACHATTO technical information
<https://www.cachatto.com/en/product/system.html>

CACHATTO specification sheet
(Specification sheet contains the recommended operating environment for CACHATTO server and CACHATTO applications)



e-Jan e-Jan Networks Co.
<https://www.e-jan.co.jp/>

Main office 6F Sumitomo Fudosan Ichibancho building,
Chiyoda-ku, 8 Ichibancho, Tokyo, Japan 102-0082

e-Jan Networks Co. has acquired ISMS certification (ISO/IEC 27001:2013 and JIS Q 27001:2014).



IS 681141 / ISO 27001