

# Release Notes

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Accops HyWorks Client for Windows 3.2.8.222

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## Release Notes Document Revision History

<b><i>Date</i></b>	<b><i>Changes</i></b>
27-April-2022	Release Notes - HyWorks Client for Windows 328222
22-February-2022	Release Notes - HyWorks Client for Windows 328212
14-January-2022	Release Notes - HyWorks Client for Windows 328209
27-November-2021	Release Notes – HyWorks Client for Windows 328205
19-October-2021	Release Notes – HyWorks Client for Windows 328203
24-September-2021	Windows 7 support details added
21-August-2021	Release Notes - HyWorks Client for Windows 328200
20-January-2021	Release Notes - HyWorks Client for Windows 328184
06-January-2021	Release Notes - HyWorks Client for Windows 328181
12-October-2020	Release Notes - HyWorks Client for Windows 328180
09-July-2020	Release Notes - HyWorks Client for Windows 328165 and before

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## Introduction

This document outlines the new feature, enhancements, Issue fixes, known issues in the Accops HyWorks Client for Windows.

The Accops HyWorks client for Windows can be used by Microsoft Windows users to connect to HyWorks/HySecure and access their virtualized desktops or applications.

## Client Setup and Upgrade Files

### Setup Files for a Fresh Installation

Module	Version	Remarks	checksum
<b>HyWorks with HySecure</b>	3.2.8.222	Option to install HyWorks full client with integrated HySecure Client 5.2.3.8097	MD5 for regular installer: d3cebf74f5bc13217d0290de8f9d9e6  MD5 for 32-bit msi installer: e131d59c48e9e7e9c2c92799cc803818  MD5 for 64-bit msi installer: 0e8ccfd976e185f558eb779b052da2c2
<b>HyWorks Client with SEP USB Redirection Driver and HySecure</b>	3.2.8.222	Option to install Enhanced USB redirection driver along with HyWorks Client. Requires admin privileges on the local system and integrated with HySecure 5.2.3.8097	MD5 for HyWorks client with SEP: 904922d481b84e2ae59b7c7274a1d180
<b>HyWorks On-Demand Client with HySecure On-Demand Client</b>	Not Released	Option to install HyWorks client with non-admin privileges along with integrated On-Demand HySecure Client	Not Released

## Upgrade Files for Upgrade from Controller

Module	Version	Remarks	Checksum
<b>Upgrade HyWorks Client with HySecure Client</b>	3.2.8.222	To upgrade existing HyWorks Clients with the HySecure full client.	MD5: 9f74528ac874e6db99e c1e2713daf62f
<b>Upgrade HyWorks Client with SEP USB Redirection Driver and HySecure</b>	3.2.8.222	To upgrade existing HyWorks Clients with the HySecure Full client and pushing Enhanced USB redirection driver patches	MD5: 3e21be0c1f30927b830 b2965c8cb9307
<b>Upgrade HyWorks On Demand Client with On-Demand HySecure Client</b>	Not Released	To upgrade existing HyWorks on Demand Clients with the HySecure On Demand client.	Not Released

## Integrated Components

Module	Version	Remarks
<b>HySecure Client Full Client</b>	5.2.3.8097	HyWorks Client is bundled with the HySecure Client 5.2.3.8097
<b>HySecure On Demand Client</b>	Not Released	Not Released
<b>Built-in USB Redirection Driver</b>	9.2.2384.0	Built-in USB redirection driver for USB redirection

## Details of HyWorks Windows Client 3.2.8.222

### Applicable Versions

This version of the client can be upgraded on the following versions. For any version older than 3.2.4.208, please contact support

- 3.2.8.212
- 3.2.8.209
- 3.2.8.205
- 3.2.8.203

- 3.2.8.200
- 3.2.8.180
- 3.2.8.165
- 3.2.4.208

## Platform Supported

The HyWorks client for Windows is supported on the following 32- and 64-bit Windows platforms:

- Windows 11
- Windows 10
- Windows 8.1
- Windows 8
- Windows 7

## Enhancements

### Support for Accops HySecure Client 5.2.3.8097

Accops HyWorks client installer includes Accops HySecure Client for Microsoft Windows version 5.2.3.8097. When this HyWorks client installer is executed, HySecure client of version 5.2.3.8097 will also get installed on user PC. This version has only a security vulnerability fix on top of last released HySecure Client version 5.2.3.8085. The vulnerability was related to communication with the HyWorks client.

### Support configuration in Connection Profiles, to re-direct dynamic drives to Virtual Desktops

Selecting this option in Connection Profiles will let the user redirect dynamically connected drives like pen drives, USB hard-drives etc. to the virtual desktops.

### Display caps lock status when user is typing the password while logging in

Now user will get the status of CAPS Lock while logging

### Option to “Collect Logs” from HyWorks client system tray menu

This option on the System Tray Menu can be used to collect logs for HyWorks client and the logs for services also. The logs get collected on the desktop in the form of a zip file.

## Fixed Issues

Issue ID	Subject
23258	Error on the Login dialog does not get cleared on test and apply

## Fixed Security Issues

Issue ID	Subject
21414	The credentials are shared with the controller in a secure manner
21423	Unquoted Service Path vulnerability resolved for one of the services
21424	Setting the right privileges for starting some of the services
21662	By default, possibility of an adversary in getting plain text password from client machine's Windows "Credential Manager" while launching RDP and VDI applications, is removed

## Known Issues

Issue ID	Subject
23071	EDC Folder is not getting cleared in installed directory in Win-7-32bit

# Release Notes of Older HyWorks Windows Client Versions

## Details of Previous HyWorks Windows Client 3.2.8.212

### Enhancements

#### Improvement of messages and User experience

Following set of changes have been made to have a better user experience and making some of the messages more relevant and meaningful

1. 'Refresh' button added in logviewer to reload the logs
2. USB redirection message made more relevant
3. Messages made more meaningful during power operations of virtual desktops
4. Messages during upgrade are made more meaningful.

### Fixed Issues

Issue ID	Subject
21261	Unable to connect to HySecure client, when the user logs out and logs in again. Re-attempt logs in successfully.
21340	Any future auto-upgrade from HyWorks Controller fails, on version 3.2.8.209, if client is in "Thin-client" mode. The new version of client will need to be installed manually or through SCCM.
21341	On copying and pasting the password during login, it will not allow login till the client is exited even when the password is keyed in, in subsequent attempts.  Fix: Copy-paste of password on the login page is still not allowed but it can be manually entered for a successful login.

### Known Issues

Issue ID	Subject
21523	If auto-login is set on HyWorks Controller, organization needs to be entered twice on "Test & apply"

## Details of Previous HyWorks Windows Client 3.2.8.209

### Security Fixes

A security vulnerability leading to escalation of privileges has been resolved. The vulnerability does not exist for the on-demand client.

## Fixed Issues

Issue ID	Subject
20963	HyWorks client tries to connect to the default port when a different port is configured with HySecure in front. With the fix, it can now connect to the configured port.

## Details of Previous HyWorks Windows Client 3.2.8.205

### New Features

#### Support for Accops HySecure Client 5.2.3.8067

HyWorks client installer includes Accops HySecure Client for Microsoft Windows version 5.2.3.8067. When this Workspace client installer is executed, HySecure client of version 5.2.3.8067 will also get installed on user PC. For details on this HySecure client, please refer to the release notes available on the Accops portal. Some of the key functionalities supported in 5.2.3.8067 are

1. Timeout for TCP Tunnel established for UDP traffic
2. Bug Fixes

#### msi Installer availability

From this version the Windows Workspace client installer will be available in msi format also. There are two variants of the msi installer, one each for 32-bit and 64-bit systems. The client application will, however, be always 32-bit. The normal installers will continue to be made available.

1. The command line for installation using msi is  
`msiexec.exe /i <path_of_installer> ELTIMAINSTALL=yes`
2. The command line for un-installation using msi is  
`msiexec.exe /x <path_of_installer>`

## Details of Previous HyWorks Windows Client 3.2.8.203

### Applicable Versions

This version of the client can be upgraded on the following versions. For any version older than 3.2.4.208, please contact support

- 3.2.8.200
- 3.2.8.180
- 3.2.8.165
- 3.2.4.208

### New Features

#### Support for Accops HySecure Client 5.2.3.8056

HyWorks client installer includes Accops HySecure Client for Microsoft Windows version 5.2.3.8056. When this Workspace client installer is executed, HySecure client of version 5.2.3.8056 will also get installed on user PC. HySecure client 5.2.3.8056 integrates the changes picked up in client 5.2.3.8055 and additionally provides multi-tenancy support with HyWorks client in front. Please refer to the release notes of Accops HySecure Client 5.2.3.8055 for Microsoft Windows. Some of the key functionalities supported in 5.2.3.8055 are`

1. Windows Updates & Activation Checks in EPS policy
2. Multi-tenancy support.
3. Backward compatibility for mobile token re-activation with Gateway versions 5.3.9.15 and earlier
4. Upgrade from client version 5.4.x.x

### Multi-tenancy Support Using Workspace Client

Effective HySecure Gateway Version 5.4.2.0, multi-tenancy support is made available. A corresponding support is needed on the client side. This version of Workspace client will support multi-tenancy assuming the integrated HySecure Client 5.2.3.8056 is installed with this Workspace client.

When multi-tenancy is configured on the gateway, the client will not have any concept of "Realms" and the user will be required to enter the published domain with URI and its credentials, to login. All other functionality remains the same.

For eg:

1. default.accops.com:7444
2. 192.168.100.9:9443/ra/default
3. default.accops.com:8443/ra/default

**Note: Port number will be provided only if it is configured.**

## Fixed Issues of HyWorks Client 3.2.8.203

Issue ID	Subject
18975	Client getting crashed when user sets hide system tray icon

## Details of Previous HyWorks Windows Client 3.2.8.200

### Applicable Versions

This version of the client can be upgraded on the following versions. For any version older than 3.2.4.208, please contact support

- 3.2.8.180
- 3.2.8.165
- 3.2.4.208

### Platform Support (Tested platforms)

The HyWorks client for Windows is supported on the following 32- and 64-bit Windows platforms:

- Windows 10
- Windows 8.1
- Windows 8
- Windows 7

### New Features

#### Support for Accops HySecure Client 5.2.3.8040

HyWorks client installer includes Accops HySecure Client for Microsoft Windows version 5.2.3.8040. When this HyWorks client installer is run, HySecure client of version 5.2.3.8040 will also get installed on user PC.

Please refer to the release notes of Accops HySecure Client for Microsoft Windows version 5.2.3.8040.

Some of the marquee features enabled with combination of latest Accops HySecure client are:

1. Support for Accops Turbo L3 tunnel mode
2. Captcha support during logon
3. New menu items in HyWorks to support configuration of HySecure client
4. Bad network connection related notifications
5. Local Watermark support
6. Facial biometric authentication support

### Log viewer To Display Logs

The log files are opened in the new log viewer. These are opened simultaneously on different instances of the log viewer.

### VMWare Remote Control (VMRC) Support

There are situations when VDI is unreachable or inaccessible through the Accops HyWorks/HySecure client. In such cases the user can launch VMRC for the VDI hosted on vCenter and ESXi server. VMRC is VMWare's remote console solution which provides console access and client device connection to VMs on

a remote host. This feature can be considered similar to VMConnect of HyperV but for VMWare connections.

### *Pre-requisites*

1. Controller version must be 3.3 + HF1 or above
2. Client OS supported
  - a. Windows 10
  - b. Windows 7 SP1

## HySecure Settings availability on HyWorks Profile Dropdown

HySecure settings like "Web Application Settings", "Remote Desktop Settings" and "Preferences" are brought on the Profile dropdown menu.

Additionally, the HySecure statistics menu are brought up on the tray icon of HyWorks client.

## Security Issues

1. HyWorks client can have password in plain text in memory. The issue is fixed in this release by cleaning up the password after use and keeping it in encrypted format
2. There are some other minor security issues fixed in the release

## Known Issue of HyWorks Client

Issue ID	Subject
Issue #17575	Broadcast message by HySecure gateway is not visible in HyWorks client
Issue #17850	Connection Timeout feature is not working with HyWorks as front.
Issue #17435	Improper UI of Biometric Face authentication dialog.
Issue #17999	On win7 client taking ~1 min to login from gateway.
Issue #18016	Task Manager Remains disabled when User Install Client v328195 in Desktop mode over pre-installed client version 328180 in thin client Mode.
Issue #18059	Turbo disconnected string getting truncated in HyWorks launchpad
Issue #18061	In KIOSK mode user won't be able to change Wi-Fi network Workaround: Forget all other network. Enable Auto-connect option for connection which is expected.
Issue #18110	User face showing distorted for face authentication when multi monitor is connected.  Impact: It is working fine with multi-monitor

Issue #18194	SEP not getting uninstalled while uninstalling Windows client. Impact: User can uninstall manually
Issue #18252	User authentication failed even after entering correct credentials. When user changes gateway and in AD username is same but password is different. Impact: Workaround: After 1 <sup>st</sup> fail client will clear username and password. After correcting credentials, it will work fine
Issue #18279	When user copies from VDI and pastes on base machine the window freezes till the pasting gets completed Workaround: It worked correctly after copy completion
Issue #18380	On KIOSK mode default browser is not working Workaround: Use Internet explorer
-	File share app in "Files & Folders" will be visible but not supported

## Fixed Issues of HyWorks Client

Issue ID	Subject
Issue #14553	When Language changed to Japanese then Virtual Desktop, Virtual Application, Web Application, Remote Desktop and Files and Folder are in English.
Issue #14554	Japanese string translation required for Password Change: New password and Re-type Password
Issue #14510	Localization issues on login page

## Limitations

1. Copy-Paste will not work on Password field at the time of login.

## Appendix A

### Features Not Supported on On-demand Client

From the list of new functionalities which are being delivered as part of the Windows admin client, the following features are not supported on the On-demand client being released

1. Turbo: The On-demand client will not be able to establish a turbo tunnel with the HySecure Gateway supporting Turbo tunnel.
2. Enable / Disable IPv6: ipv6 support cannot be altered on On-demand client through HySecure Gateway.

## Appendix B

For the scenario where HySecure is also getting used along with HyWorks, HyWorks client will work on Windows 7 SP1 and later, after enabling the following additional SSL ciphers on the HySecure Gateway Global settings page

ECDHE\_RSA\_AES256\_GCM\_SHA384

ECDHE\_RSA\_AES256\_SHA384

ECDHE\_RSA\_AES256\_SHA

RSA\_AES256\_GCM\_SHA384

RSA\_AES256\_SHA256

RSA\_AES256\_SHA

ECDHE\_RSA\_AES128\_GCM\_SHA256

ECDHE\_RSA\_AES128\_SHA256

ECDHE\_RSA\_AES128\_SHA

RSA\_AES128-GCM-SHA256

RSA\_AES128-SHA256

## Support

Contact Accops Support team ([support.accops.com](https://support.accops.com)) for any assistance or queries.

## About Accops

Accops Systems Private Limited. under "Accops" brand is a globally leading developer and provider of Enterprise Mobility solutions involving Application and Desktop Virtualization, Secure Remote Access and Privilege Access Management solutions.

Accops' s software and hardware products enable businesses to efficiently virtualize, secure and deliver business applications, corporate workspace and network services to their employees, partners, vendors, home users and mobile users, enabling instance access from anywhere using any device.

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Tel: India +91 8144 880 880

Email: [support@accops.com](mailto:support@accops.com) | Web: [www.accops.com](http://www.accops.com)

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