

# Release Notes

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## HySecure Windows Client 5.2 5227 GA

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## OVERVIEW

This document outlines the new feature / bug fixes / feature enhancement / known issues in the Accops HySecure Windows Client 5.2. 5227 GA Release.

## ISSUES RESOLVED IN HYSECURE WINDOWS CLIENT 5.2.2.7

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### DRIVER RELATED ISSUE

Fixed an driver related issue, where BSOD use to happens when Torrent Client or Total Security 360 Antivirus is installed on the user system

**Resolution:** Invalid DNS queries were being generated in the system dues to this known software's, for this extra error handling is been done in the client.

## FEATURES IN HYSECURE WINDOWS CLIENT 5.2.2.5

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### ALLOW COPY PASTE FROM NAMED APPLICATIONS

The feature is added to enable the copy paste from named application list which is specified by HySecure administrator.

**Note:** Both tags need to be enabled for this functionality to work.

## ENHANCEMENTS IN HYSECURE WINDOWS CLIENT 5.2.2.5

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### ADDED LOGS FOR DETECTED ANTIVIRUS , ANTISPYWARE, FIREWALL PRODUCT DETAILS

Sample logs being printed in the uac logs are provided below:

```
[TID-15608] : [ Date:19-10-2020 Time:13:09:34 ] : Antivirus Detected: Product Name: Symantec Endpoint Protection, Vendor  
Name: Symantec, Version 14.3.1169.0100, Last UpdateDate: 2020/10/19 06:16:44, Is Upto Date: 2020/10/19 06:16:44  
[TID-15608] : [ Date:19-10-2020 Time:13:09:34 ] : Antivirus Detected: Product Name: Windows Defender, Vendor Name: ,  
Version , Last UpdateDate: 0, Is Upto Date: 0
```

### NTLM SSO SUPPORT UPDATED FOR NTLM V2

The NTLM support was there in the client but for protocol version V1, now the support is added to enable support for NTLM V2.

### UPDATED THE DNS FILTERING FOR SUPPORTING WILD CHARACTER IN SUFFIX AS WELL AS PREFIX.

In the version below 5.2.2.5 of HySecure client wild characters were supported as prefix in DNS filtering. Now the suffix wild character support provided.

For example:

```
DNS_ALLOWED_LIST=* facebook.*  
DNS_BLOCKED_LIST=msdn.microsoft.*  
DNS_REDIRECT_LIST=*accops.*
```

### ADDED MAC ADDRESS IN THE DEVICE DETAILS PACKET FOR THE PORTAL DEVICE DETAILS REQUEST

In the hybrid mode the device detail packet shared with the portal for login will not contain MAC Address and MAC Address List.



## BROWSER CLEAN-UP IN THE PORTAL MODE.

In the Portal mode the browser clean-up after logout will now be supported

## TERMINATE NAMED APPLICATIONS WHEN HYSECURE CLIENT LOGS OUT

When client log out happens named list of applications can be provided to terminate and then exist from the HySecure client.

For this feature a new TAG is added example is provided below:

`VPN_FORCE_KILL_APPS_ON_LOGOUT=chrome.exe,iexplorer.exe`

## ISSUES RESOLVED IN HYSECURE WINDOWS CLIENT 5.2.2.5

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### HYBRID MODE – UPN BASED LOGIN NOT HAPPENING

### SECURE DESKTOP UPDATED FOR THE DRAG AND DROP ISSUE REPORTED IN THE LATEST CHROME

Drag and Drop was working with latest chrome 86.0.XXX.

This issue is fixed in Windows Client 5.2.2.5

## KNOWN ISSUES IN 5.2 5216

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### EPS RESPONSE COULD NOT BE READ ISSUE

Gateway does not send any response in case of "Product Last Updated" Is checked.

## FIXED ISSUES IN 5.2 5216

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### SO USER LOGIN CRASH AND NOT ABLE TO ACCESS THE HYSECURE MANAGEMENT CONSOLE.

We have now added additional TCP read if HTTP content-Length is greater than received length of the packet.

This helps in reading the attachment packet sent by gateway which comes after some delay.

## FEATURE ENHANCEMENT IN 5.2 5213

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### UPN NAME SUPPORTING USERNAME@REALMNAME

We can either support or **username@password** using the HySecure windows client 5.2.1.3. Based on the following configuration tag in verinfo.js

**TAG Name:** `VPN_IS_USER_NAME_UPN_TAG`

Value	Remarks
True	The input will be UPN name, no realm will be changed while login-in.
false	Is not a UPN value so username@realmname will start working
blank	Is the default value, so UPN name will be supported

### SUPPORT FOR DEFINING THE CLIENT TO USE TO LAUNCH CONFIGURED RDP APPLICATION

The RDP application which can be launched using the EDC Launcher or MSTSC has been enhanced and additional support for allowing the launch using the MSRDC Client will be now supported. If "Use default windows client to launch remote desktop" is checked then the HySecure client will by default, try to find the MSRDC Client on the windows system if found will be launched else MSTSC will be launched.

There is no change in the scenario of "Use default windows client to launch remote desktop" is unchecked. Ie EDC Launcher will be used always to launch the client.

Additional support for PCoIP client is also added.

### OEM RELATED UPGRADE CHANGES

OEM will be signing the application using their certificate which will cause the issue while doing upgrade as we check for the subject name which matches "Accops System". To handle this, we have moved the matching subject name to resource string table.

## NEW FEATURES IN 5.2 5211

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### CONFIGURE AND APPEND THE ADDITIONAL RDP SETTINGS

A configuration way to append the additional RDP settings is provided, One can configure to append multiple RDP settings by separating the configuration using the "\r\n" characters.

### BYPASS LIST FOR SECURE DESKTOP

A feature is provided to bypass applications mentioned in the configuration from secure desktop hooking mechanisms, which will allow the critical application to function normally without interfering in it.

This is feature was hardcoded in the client earlier which is now can be controlled from verinfo file of gateway.

## FEATURE ENHANCEMENT IN 5.2 5211

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### IDLE TIMEOUT MESSAGE TO BE SHOWN

An error message box with message "HySecure Session has been terminated due to idle timeout.\r\nPlease login again." When user idle times out.

This error message is not shown in case of HyWorks mode Web Portal mode or WebSocket mode.

## DISABLE THE NETWORK ACCESS FROM ANOTHER SESSION OF FROM VIRTUAL MACHINE

When there are two users on the same system and one user is accessing the VPN then all the network traffic allowed to the user A is also allowed to User B this had created security issues as Screen capture is blocked for user A and not for user B. So network access for processes running in another user session is not allowed.

## ERROR MESSAGE COLOR ON NOTIFICATION WINDOW IS SET TO WHITE AS RED IS NOT VISIBLE

The color of error messages text on the notification dialog is changed from RED to White.

## DISABLE THE IPV6 AND UDP TRAFFIC FOR INTERNET BLOCKING FEATURE

Disabled the UDP Traffic when Internet blocking is enabled. This configuration depends upon the block internet

## FIXED ISSUES IN 5.2 5211

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## ENFORCEMENT OF HOST FILE WHEN DRIVER MODE IS ALSO ENFORCED

In the previous client the enforcement of Host file was not working if Driver mode is also enforced

## SECURITY OFFICER USER LOGIN FAILED.CLIENT CRASHES WHEN SO USER LOGIN

In previous client if SO user login then client get crashes on specific environment. In this latest client that issue has been fixed.

## NEW FEATURES IN 5.1 5206

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### CLIENT WATERMARK SUPPORT

This new client version has added new feature as “Watermark Support” on client login. This is part of Secure Desktop Feature. HySecure Admin can configure Watermark setting on gateway side Hence user configure image should reflect on user desktop after login into client.

### NAME RESOLUTION METHOD (DNS SERVER MODE FROM GATEWAY)

A new method for name resolution is been added into this client which known as DNS Filtering\DNS Resolution redirection functionality. This method is been added to support the domain joining and group policy updates.

## ENHANCEMENT IN 5.1 5206

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### SUPPORT FOR PASSWORD UPTO 32 CHARACTERS

HySecure client now supports password up to MAX 32-character length.

### DYNAMIC HEADER IN APP HELLO PACKET

In this new client added new enhancement as adding additional Headers in APP HELLO Packet. HySecure admin can add multiple additional headers in APP HELLO Packets.

### DISABLE THE PROXY SET IN THE MACHINE

An enhancement is provided for disabling the proxy already set in the system before login and HySecure application will make sure it stays disabled while the user session is connected.

A message is shown for the first time when HySecure will change the proxy to disabled state if already available. This message can be customized.

### MODIFIED CALL FOR PULLING CONFIGURATION

Selected Realm name is appended as query string parameter to the configuration pull call by HySecure windows client.

## REMOVED THE NETWORK TRACE FROM LOG FILES

As per the security guidelines the network trace which were getting printed in the log files for the HySecure Windows client when debug level logs were enabled are now been removed. No network trace will be available in the log files in any mode.

## NETWORK TYPE APPLICATION ENHANCEMENT

In previous client supported only 5 IP addresses and Port Number in comma separated list in Network type application. In this client an enhancement has been added as client will support till 64 comma separated list of IP addresses and Port Number in Network Type application.

## EPS DETECT ANTIVIRUS VIRUS DEFINITION DATE AND VENDOR NAME

An enhancement is done to detect the Symantec antivirus and its virus definition date. Also, vendor name for all the antiviruses is now been detected and sent to the gateway.

## IMPROVEMENT TO SECURE DESKTOP

Screen shot blocking enhancement is done to block almost all the recording software, screen capture software to block screen shots of the protected windows such as Chrome, Iexplorer etc.

## RULE FILE FROM GATEWAY

The rules which are applied on the Secure Desktop can be configured on the gateway and rules will be fetched from gateway and applied on the users system.

## SCREEN SHOT BLOCKING: BYPASS APPLICATION

A mechanism is provided to bypass named applications from screenshot block restriction.

## SCREEN SHOT BLOCKING: BLOCK SCREEN SHOT AFTER LOGOUT

Screen shot capture can continue for the protected windows opened while in the session even after logout.

## NLA SUPPORT FOR RDP APPLICATION

NLA support is added for the RDP application.

## CUSTOM MESSAGES

Administrators can configure the custom messages for the users who are facing the issues while evaluating the Device ID policies.

## USER IDLE TIMEOUT FEATURE

HySecure Windows client can detect the user idle state based on the inputs received and logout the user if configured by the administration.

## SUPPORT FOR MORE THAN 500 APPLICATION

Support for up to 500 Applications is added in the HySecure Windows client.

## CONFIGURABLE TCP KEEP ALIVE SETTINGS

TCP keep alive is enabled in HySecure Windows client and its timeout and interval can be configured by Administrators.

## UDP SUPPORT IN THE DRIVER

Support for UDP type application was not available in the driver. For that we had to use the LSP mode. Now Support for UDP is added in the driver mode also. **Still Network type UDP application support is not yet available.**

## ALLOW ACCESS USING NAMED APPLICATION LIST

An enhancement is made to allow named applications only to access the network through HySecure client.

## LOG ENHANCEMENT

Log file location is changed, and it is available in the "%temp%\ACCOPS" folder. Also, the logs are now persisted between sessions.

## CHANGE OF PROXY BEHAVIOR SUPPORT

If Proxy is configured on the user's system, but the proxy is not reachable then the HySecure client will ignore the proxy and try to reach the HySecure server directly without proxy.

## FILE TRANSFER CAN BE DISABLE FOR PROGATE

File transfer feature in the Progate client can be disabled.

## REMOVED PSEXEC FROM INSTALLER

PSEXEC.exe binary included in the HySecure Client installer is now been removed





## FIXED ISSUES IN 5.1.5206

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### IF IPV6 IS DETECTED AS DEFAULT GATEWAY THE SERVER USE TO SEND "INVALID INPUT".

In previous client having an issue that if IPv6 is enable on client machine then some time client get IPv6 address as default gateway and get response from HySecure server as "Invalid Input". This issue has been fixed in this latest client with every login client will detect IPv4 address of client machine.

### ON LOGOUT THE CLIENT UI USE TO HANG ON JAPANESE OS

In previous having an issue that client use to hang on client on Japanese OS. In this client that issue has been fixed, hence client will get hang on logout with Japanese OS.

### SERVER NAME IF EXCEEDS 16 CHARACTER THEN APPLICATION CRASH

Server name in server address more than 16 character then client get crash, that issue has been fixed in this latest client.

### MYDESKTOP APPLICATION/APPLICATION LAUNCH USING APPLICATION NAME

In this client MyDesktop Application launch using Application Name issue has been fixed.

### MULTIPLE HTTP APPLICATION ACCESS DENIED

-Published multiple http application with same port accessing issue has been fixed in this client.

### SCREEN SHOT BLOCK NOT WORKING AFTER LOGOUT FROM CLIENT

In previous client having an issue after logout from client still user should not be able to take screen shot using snipping tool. User have to close accessed web application or open browsers then only able to take screen shoot, in this client that issue has been fixed.

## EPS REMEDIATION DIALOG GOES BEHIND THE MAIN WINDOW

In previous client having an issue as EPS Remediation dialog prompt goes behind the client main window while login into client Hence user not able to understand reason of login failure. that issue has been fixed in this client, So EPS Remediation dialogue prompt will appear on front of Accops client main windows, Hence User should get idea of failure or remediation message.

## KNOWN ISSUES IN 5.1.5206

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### TAG BASIS CLIPBOARD SUPPORT FOR RDP APPLICATION (RDP\_ENABLE\_CLIPBOARD) SHOULD NOT WORK WITH NETWORK/OTHER TYPE APPLICATION

-Tag based Clipboard Support (RDP\_ENABLE\_CLIPBOARD=true) should not work with RDP application which are published as Network Type and Other Type of Application

### TAG BASIS SCREENSHOTBLOCK BYPASSLIST SHOULD NOT WORK WITH PROGATE VIEWER ON WIN-7 OS.

-Tag bases screenshot block bypass list (SCREENSHOTBLOCK\_BYPASS\_LIST) should not work Progate Viewer on Win-7 OS. Except bypass list exe should not get blocked as normally it should get block.

### NAME RESOLUTION IS WRONGLY FALLING BACK TO NSP IF HOST FILE AND DNS SERVER MODE ARE FORCEFULLY ENABLE FROM GATEWAY.

If "Use Host file for name resolution" and "DNS Server mode" resolution method enforced from HySecure Gateway without UDP-port 53 app , then by default "Use Host file" name resolution method should get enable instead of NSP/Previously selected mode



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