

Release Notes

HySecure Ubuntu Client 5.1.4.16

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Introduction

Accops HySecure client for Ubuntu can be installed respectively on 64-bit Ubuntu systems (using respective binaries) and then end-users can use HySecure client to connect to HySecure Gateway and access their applications.

The document provides the following information:

- Details of new features and bug-fixes
- Known limitations of this release
- Old, released modules and details

Details of HySecure Client 5.1.4.16

Released Modules

Module	Version	Remarks	MD5 Sum
HySecure Ubuntu Client 64-bit [HySecure_Client_5.1.4.16.deb]	5.1.4.16	Recommended for fresh installation	MD5: 3a9250fd6a064e063535ff13e7725afd
HySecure Ubuntu Client 32-bit		Not Available	

Compatibility Matrix

Module	Version	Remarks
HySecure Gateway	5.2.x.x, 5.3.x.x	
	5.4.x.x	New features of 5.4 (excluding Turbo and API V2) are not supported

Platform Support

HySecure client for Ubuntu x64 supports following Linux flavors:

- Ubuntu LTS 16.04 x64
- Ubuntu LTS 18.04 x64
- Ubuntu LTS 20.04 x64

Note:

- The sub-versions of ubuntu OS supported are 0 and 1. For e.g. 16.04.0 and 16.04.1 and likewise for 18.04 and 20.04

Features & Enhancements

Carbon Black Antivirus detection

With this version of the client, "Antivirus" type of HostScan Policy is supported for "Carbon Black" AV. This policy can then be applied on the ubuntu endpoints.

Fixed Issues in client 5.1.4.16

#	Subject
20619	User is not able to login when EPS is enabled as accops folder is missing in /var/logs
20597	MyDesktop as RDP is not displaying in Ubuntu client with 5427 gateway.
-	Fixed the link for hysecure command. So now the hysecure command and ui will work correctly in 32bit client installed on 64-bit os.
20418	User is not able to login into HySecure Ubuntu Client when Captcha is enabled in gateway. Error displays 'Invalid Captcha'. Message is getting displayed when Captcha is enabled
19942	uac logs are not getting created in Ubuntu Boss-64bit

Known Issues in client 5.1.4.16

#	Subject
20180	User is not able to login into client when product upto date is set to 0days
19945	Two instances of HySecure client is getting displayed in Ubuntu
19934	SSH Application is not working through HySecure Ubuntu Client in Ubuntu-mate
20449	Wrong connection timeout pop-up displayed in HySecure Ubuntu client when user disconnect in network of machine
20418	User is not able to login into HySecure Ubuntu Client when Captcha is enabled in gateway. Error displays 'Invalid Captcha'.

Feature in client 5.1.4.4

Connection Timeout Dialog Box

At user's place if internet issues are observed and connectivity lost that time it will prompt message notifying user about internet instability.

Added turbo status check timer at 2sec

Once user gets logged in it will check turbo status every 2 sec and update on client UI. If turbo failed then it will give prompt for same.

Feature added in client 5.1.4.0

API V2 Support

API V2 support is added in HySecure Ubuntu Client 5.1.4.0

Feature Removed from client 5.1.4.0

Mobile token registration link won't work

In this Hysecure client 5.1.4.0, User will not be able to register mobile token using this Client. Mobile Token Registration link will not work.

Fixed Issue in client 5.1.4.0

Sr. No.	Subject
1	UI CRASH ISSUE IN UPGRADED LINUX KERNEL 5.8/5.10 (HySecure GUI Client 5.1.3.5 is not launching in Ubuntu 20 machines if kernel is upgraded 5.8 or 5.10. Now this issue has been fixed in HySecure Client 5.1.4.0. Flutter has been upgraded in this client.)
2	Sometimes CLI Says user is active even after logout

Known Issues in client 5.1.4.0

#	Subject
1	Client crash while switching API Version. Workaround - When you switch api, fetch realm before login or close/kill client and reopen and relogin.

2	ERROR: 'RESTART UAC_MANAGER SERVICE' While login through GUI Client. Workaround- To resolve this issue Fetch Realm (first time it will give error). Now again fetch realm now it will start working
---	---

Feature added in client 5.1.3.5

Supported iptables support if turbo handshake gets failed:

IPTABLES support is added in this client in case of turbo failure.

Supported hidden application:

Hidden application support is added in this client.

Fixed issue in client 5.1.3.5

Sr. No.	Subject
1	Grammer mistake in successfully change password prompt
2	Fixed launching application containing substring of another application. From Client launchpad if we launch a rdp machine, another published rdp machine is getting launched. For ex: Instead of rdp1, rdp2 is getting launched.

Known Issues in client 5.1.3.5

Sr. No.	Subject
1	Client V5135 is not supported in Ubuntu 19 Non-LTS machine. (Open resolv package is required for turbo and it is not available in ubuntu 19 Non-LTS.)
2	In case of turbo failure, some applications like rdp, vnc will stop working sometimes. (Same behaviour with turbo windows client.)
3	Start on Windows Logon feature is not working
4	Https type app is not working in case of block internet is enabled in turbo gateway. (This is not client issue)
5	Getting black screen on client launchpad after launching any application from client on Ubuntu 16.04 LTS. (application is accessible)
6	When login into client via pressing enter key broadcast message not working. Workaround- use mouse to login. By clicking on login button it works.

7	FOR HYSECURE PUBLISHED OVER 443 PORT, ACTIVITY LOGS ARE NOT GENERATING, UAC LOGS EXIST. If Hysecure gateway is published on another port (except 443 port) then activity logs are coming
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Feature added in Client 5.1.3.3

- Turbo support is added for the client.
- CLI support for Hysecure
- Client as a service
- Autologin client on client as a service in CLI
- Force logout
- Idle logout
- Added Mobile Token, PC token, Hardware token for MFA.
- Removed Iptables insertion for L3 and both types of Application tunnel

Turbo Support is added in client

This feature will create the interface named **tur** which will provide the tunnel for transferring packets. The interface can be seen by the command **ifconfig -a**. The configuration can be done while creating applications in the management console under the Tunneling option, the admin needs to select **Enable L3 App Tunneling**

CLI support for HySecure

To run hysecure using command line interface(CLI) simply type **hysecure** on terminal and user will see help menu. The help menu contains commands which will perform operation and tags which are supported with commands.

The supported tags:

Short form of tag	Long form of tag	Meaning of tag
-h	--help	help information on command line arguments
-p	--password	password information on command line arguments
-s	--server	server information on command line arguments
-d	--domain	domain(realm) information on command line arguments
-port	--port	port information on command line arguments
-v	--version	version information on command line arguments
-u	--username	username information on command line arguments

The supported commands:

Command	Use
login [-u -p -s -d -port]	to login client
logout	to logout the user
status	to check login status
delete-config	to check login status
autologin	to login automatically(it will use last login credential and only work if config are not deleted)

app	to show assigned user applications
-h	to get help information
-v	to get hysecure client version

Note:

- While providing information in tag use single quote (') if it has special character like @,},# etc.
- Deleting config file with command **delete-config** will prevent **autologin** to work until next login.
- When User is logged in into vpn, user can not execute delete-config command.
- MFA is supported while login.
- The CLI commands can be run from anywhere in terminal.
- Server port can be given in 2 ways.
 1. by -s tag :
-s 172.28.10.139:6443
 2. by -port tag:
-port 6443
- If no port is given then by default 443 is used.
- All inputs are case sensitive.

Autologin on client as a service in CLI

This feature will automatically login into client when client as a service is set from gateway. It will also work on system reboot. This feature won't work on MFA

Client as a service

This feature will automatically login the user if user is logged out only due to session expired. If user want to exit from this mode, he needs to enter client exit password at the time of logout.

To work this feature a set of configuration has to be made, the configuration will be in verinfo.js file.

Configuration:**VERINFO TAG:**

Tag	Value	Action
DISABLEPASSWORDSAVE=	false	It will save the password on the user PC.

DISABLEUSERSAVE=	false	It will save the username on the user PC.
CLIENTEXITPASSWORD=	value	It is the password which is required at logout and will exit service mode.
VPNSERVICE_INSTALL=	true	It will set use hysecure client as a service.

Note: Missing any 1 out of 4 configurations will result in denying of this feature.

Added support for force logout/idle timeout

On force logout or idle timeout user will be logged out from client but this can be seen when user tries to access any application. But in case of HySecure as a service user will be again logged in.

Note:

- Force logout and Idle timeout doesn't seem to be work on turbo gateway.
- Turbo Client requires **resolvconf** package to be installed.
It can be installed by **sudo apt-get install resolvconf**.

OR

It will be automatically installed during client installation by **sudo apt install ./<deb-file>**

- Please give 20-30 sec for CLI to execute its operations

Added Mobile token, PC token and Hardware token for MFA:

Mobile token, pc token and hardware token support are added in this client.

Removed iptables insertion for I3 and both types of application tunnel

Iptables insertion is removed in this client.

Known Issues in 5.1.3.3

Sr. No.	Subject
1	Client V5133 not supported in Ubuntu 19 Non-LTS machine
2	Start on Windows Logon feature is not working

3	Grammatical mistake in successfully change password prompt
4	Getting black screen on client launchpad after launching any application from client on Ubuntu 16.04 LTS. (Application is accessible)
5	Hidden application feature not supported in this client.
6	Https type app not working in case of block internet in turbo Https type app not working in case of block internet is enabled in turbo gateway. This is not client issue.
7	When login into VPN via Pressing enter key broadcast message not working. Workaround- use mouse to login. By clicking on login button it works.
8	FOR HYSECURE PUBLISHED OVER 443 PORT, ACTIVITY LOGS ARE NOT GENERATING, UAC LOGS EXIST. If Hysecure gateway is published on another port (except 443 port) then activity logs are coming.

Fixed Issue in 5.1.2.5

#	Subject
1	Device Details is getting fetched when user disable collection of device fingerprint details from hysecure gateway.
2	MyDesktop as Fileshare icon is displaying as RDP Icon.
3	Grammatical mistake in successfully change password prompt

Known Issue IN 5.1.2.5

#	Subject
1	Getting black screen on client launchpad after launching any application from client on Ubuntu 16.04 LTS. (application is accessible).
2	When login into VPN via Pressing enter key broadcast message not working. Workaround- use mouse to login. By clicking on login button it works.
3	FOR HYSECURE PUBLISHED OVER 443 PORT, ACTIVITY LOGS ARE NOT GENERATING, UAC LOGS EXIST. If Hysecure gateway is published on another port (except 443 port) then activity logs are coming.

New features in 5.1.2.4

Broadcast message warning

This is the message which is prompt on user's screen when the user clicks on Login button and before being logged in. This message is configured on the gateway in verinfo.js file. The verinfo.js file provides the tags to configure it

Broadcast pre-login message

This is the message which is prompt on user's screen when the user clicks on Login button and before being logged in. This message is configured on the gateway in verinfo.js file. The verinfo.js file provides the tags to configure it.

Broadcast post-login message

This is the message which is prompt on user's screen just after the user is logged into the HySecure Linux Client. This message is configured on the gateway in verinfo.js file. The verinfo.js file provides the tags to configure it.

Start on Linux OS login

This configuration will launch the client application automatically on Linux login (On system restart, Power On).

Do not allow user to remember username on local drive

In this configuration the username is saved to user PC. The username is saved in user.txt file.

Do not allow user to remember password on local drive

In this configuration the password is saved to user PC. The password is saved in pass.txt file.

Feature & Enhancement in 5.1.2.4

Change password

User can change password from the client by entering old password, new password, confirm password.

Note : The length of password must be greater than 6 characters.

Log level for printing specific type

In this client print a specific log in uac.log file related to HySecure Linux Client.

Fixed issue in 5.1.2.4

Sr. No.	Subject
1	Special Character support in password for FREERDP.
2	Not able to access network type application (IP Range with Port range) due to Hysecure Gateway IP exist in specified IP range and Port range.
3	Published other type application icon is not visible on HySecure client launchpad
4	Not able to minimize or maximize RDP Windows.
5	Network trace exist in uac log file
6	MyDesktop Application icon missing on launchpad

APPENDIX A- Installation & Upgrade

Pre-requisites

- **Internet:** HySecure client requires active internet connection to download dependencies from internet.
- Ubuntu 64-bit client should only be installed on
 - Supported Ubuntu flavors with [64-bit architecture](#)

Process of Installation

The installation steps are same for first time installation or for upgrading an existing installation.

1. Download the HySecure client from the location specified in above section
 - a. Verify the MD5 sum of the download file.
2. Copy "**HySecure_Client_5.1.4.16.deb**" on user's home folder
3. Open terminal and run following commands

- a. Move to user's home directory or location where HySecure Client package is copied

```
$ cd /home/<username>
```

- b. Start client installation

```
$ sudo dpkg -i HySecure_Client_5.1.4.16.deb
```

```
accops@accops-virtual-machine:~/Desktop$ sudo dpkg -i HySecure_Client_5.1.4.16.d  
eb
```

- c. Wait for installation to be completed
- d. After installation is completed, open terminal and type command 'hysecure -v'
- e. It will display hysecure client version

APPENDIX B- Uninstallation

To uninstall HySecure full client, open terminal and run the following commands:

- `systemctl stop uac_manager.service`
- `sudo rm -vrf /opt.hysecure`
- `sudo rm -vrf /usr/bin/hysecure`

Restart the system to complete the un-installation process.

Support

Contact Accops Support team (support.accops.com) for any assistance or queries.

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