

## Name of Release

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Title	Description
Software Product Name	Fusion UDM Windows Agent
Release type	Full Install
Release Date	16/08/2021
Software Version Number	5.4
Build Number	855
Build Release Filename	FUDM-WindowsAgent-5.4.855.exe
Matching FUSION UEM Server	5.4.005 and above
Release Note Author	Vinayak Kumbhar

## Overview

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This is a GA release of Fusion UDM Agent to be used with Fusion UEM Server for managing Microsoft Windows OS based devices.

## Compatibility

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VXL Windows Embedded Based Thin clients

- Microsoft WES 10 (x86): 67 Series, LQ Series, IQB;

Desktop OS

- Microsoft Windows 10 Professional, Enterprise & Ultimate edition; Citrix Xen Desktop, Microsoft Hyper V & VMware based virtualized instances of the above.

## Updates in V2:5.4.855 release

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New features, bug fixes, and general enhancements are included in the current release. See the full list below.

➤ General Enhancements:

- Added location tracking sync on Synchronization inventory, provided location setting and agent registry is enabled on device.
- Added flash screen while registering agent manually from agent applet.
- Enhancement done in the device enrolment and the delay process.
- Implementation in reverse VNC to delete entry from .ini file while closing connection.
- Implementation for agent upgrade with exe file(From context Menu )
- Implementation for reverse VNC new modification.
- Changes made in below Observation:
  - "Time before shutdown" this message is display on all alert (in case of skip 5 step & disable state there should be other text)
  - In case of template only we are showing "OK" button.
  - If reboot not required, in this case we are showing "Remaining time:"
- Implementation for UI setting in windows connection launcher.
- Implementation for sync for UI setting in connection launcher.
- Created ok button and dialog for postpone timer.
- Hide "Restart Now" button from Alert.

➤ Bug fixes:

- Fixes done for agent not staying connected to UEM server console.
- Fixes File and Folder transfer issues.
- Resolved issues Agent does not communicate after restart.
- Resolved French translations strings.
- Added exact return code in case of cifs downloading.
- Resolved issue Import file not visible in physical repository.(Added .pst extension )
- File Upload module not working for FTPS connection.
- Software uninstall setting succeed but not reflected on device.
- Resolved issue of VM ware global setting task succeeded but not reflected on device.
- Resolved issue of software installation task ask for user interaction validation for exe and kept for msi.
- Resolved issue of multiple reboots in template.
- Resolved issue of template remains in 3 step process.
- Hostname issue resolved for clone deploy.
- Resolved Template Start message "Ok" button is missing issue.
- Resolved Device takes multiple reboots in case of combination of postponed & normal Template issue.
- Resolved issue of Send message to client: On device "Feedback & OK" button color is same, no spacing in-between required.
- Resolved issue of multiple postpone alert.

- Resolved issue of multiple alerts in template.
- File Upload module not working for FTPS connection.

## Updates in Previous Release

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### ❖ V2.5.4.850

#### ➤ General Enhancements:

- Implementation done for change in user name for idle state logs i.e. domain name username.
- Implementation done for UWF overlay Setting module
- Implementation done for backup of VNC password via exe installer.
- Added new values in the RegistryName.xml for advanced remote settings.
- Added VNCTCP port 5900 during the installation.
- Implementation done for sending log-on and log-off logs to server (without log-off).
- Changes done for updated MACAddress should be available in the Signalr EXE.
- Changes done for proper fail reason for screen saver.
- Changes done for resolve memory issue in the full sync inventory.
- Added FSD device type on full sync.
- Changes and modification done for Uninstall software.
- Implementation done in Command module for wait till timeout completion.
- Implementation and changes done for Default HTTP when TLS 1.0 enabled on server

#### Modules

- Remote Installation
- File Transfer
- Deploy Certificate
- Wallpaper
- Screen Saver

#### ➤ Bug fixes:

- Resolved Network printer customer's issue
- Resolved VNC password backup/restore issue for exe installer.
- Resolved issue of getting idle logs in hibernate event.
- Resolved issue of same login logoff time.
- Resolved Mac address issue for multiple virtual adapters exist case (Handling special for TAP-WINDOWS Adapter and TAP-WIN32 Adpater).
- Resolved issue to manage login logoff when day changes.
- Resolved issue for File Transfer with execution for 32 bit systems.
- Resolved logoff event missed after hibernate event issue

- Resolved issue for VNC password not effective after restoring backup (For exe installer).
- Resolved issue for multiple battery percent event alert triggering immediately.
- Resolved issue for settings stuck at file transfer and write filter exclusion setting
- Resolved issue for A remote procedure call is already in progress for this thread.
- Resolved Battery Alert issue for multiple and average battery for Battery percent and Battery level.
- Resolved issue for template stuck with command settings
- Resolved issue for download modules as file name containing ""space" it will fail as Download Fail for below module.
  - Deploy Certificate
  - File Transfer
  - Remote Installation

## ❖ V2.5.3.005

### ➤ General Enhancements:

- Added Refresh button in Task Activity Monitoring.
- Provision added to replace all exiting keys in Keyboard locale (effective after the device reboot).
- Implemented support to change Region and Location.
- Implemented Reset Password functionality for resetting user password on the client machine.
- Improvements done for patch management module.

### ➤ Bugfixes:

- Resolved issue regarding CIFS connection with Domain user credentials for Software deployment and Deploy certificate.
- Resolved issues in User Management on creating a new User.
- Resolved Deploy Certificate module issue for failure case.
- Folder Transfer task remained in process while utility WinZip not installed on the client machine. Added failure reason as "Failed to unzip folder".
- In Windows Display settings, dual display resolution for dual screen issue is resolved.
- In Date and time for Windows Time Server sync is fixed.
- On Device Log-Off Alert Message issue is fixed.
- Resolved issue regarding Product Key sync issue.
- Resolved keyboard locales issue.

## ❖ V2.5.2.001

- Code signed all executables for recent update of Microsoft Windows Defender to accept them.

- Resolved issue regarding Write Filter for sending logs to server.
- Added Terradici PCOIP protocol connection support for Windows Embedded IoT.
- Implemented "Prevent user to set Screensaver" functionality for Screen Saver.
- Implemented "Prevent user to set wallpaper" functionality for wallpaper.
- Implemented Obtain Registry for syncing all registry keys from client registry.
- Implemented backward compatibility for Clone & Deploy image which supported on devices having Alpine Pro version below and above 19.
- Implemented support for the Clone and Deploy with DHCP and Static (IP) network configurations.
- Implemented and support for real time communication SignalR Hub.

➤ **Bug Fixes:**

- Resolved issue regarding RAM Type in RAM Details for hardware information.
- Handled the problem which was caused by the settings of RDP file present in the My User profile, which was causing memory issue.
- Mantis Bug 406: Resolved issue of SignalR monitoring & Hardware log values not getting set at device.
- Enhanced Software Installation module to get date/time of all software installations

❖ **V2.5.0.000**

- Implemented VMware Blast protocol support.
- Implemented Write Filter 5 step process for USB device manager module on FBWF systems.
- Implemented Unknown Error handling for all download modules, when downloading a file.
- Implemented reattempt logic to download file at failure cases for finite attempts.
- Implemented configurable registry for hardware logs.
- Implementation done to set VNC password

➤ **Bug Fixes:**

- Resolved an issue in Service mode: In case of FBWF & UWF enabled state,
- History cleaner does not work when all the options selected.
- Taskbar Properties: Auto-Hide Taskbar not getting set for UWF Client.

❖ **V2:4.9.000**

- Resolved an issue in Optimal RAM disk size set functionality.

- Optimisation and enhancement done for Clear History, Cookies and Cache size issue.
- Added support to execution of PS1 files through File and Folder transfer module.
- Patch Sync issue: Added proper reasoning for access to unmanaged server.

## ❖ V2:4.8.000

- "Export Logs" functionality added in Agent Applet.
- Functionality to keep user on Login Window after Sign Out has been added in case of Force Auto-logout for Windows 10 Devices.

### ➤ Bug Fixes:

- Resolved MUI issue for Export Logs functionality.
- Resolved argument parameter issue for Custom executable connection.
- Resolved folder transfer batch execution in process issue.
- Resolved Forward VNC issue.
- Resolved FBWF exclusion in process issue.

## ❖ V2:4.6.000

- Implemented UWF Exclusion list module: Add/Remove/sync file/registry.
- Added port 5900 for VNC in firewall exception at the time on agent installation.
- Enhancements done in the SSL certificate process (Global Certificate).
- Improvement done for error-logging in Alpine Pro Clone-Deploy functionality.
- Resolved Agent pop-up message display issue when Deploy task was applied and that Task failed.

## ❖ V2:4.5.000

- Implemented major changes for input string sizes: maximum length is allocated for all input string fields accordingly.
- Implemented Write-Filter 5-step process in Computer host name set functionality for FBWF based systems.

- Enhancements done in the user-profile specific modules like Wallpaper, Taskbar Properties, RDP connections, Keyboard, Mouse, Screensaver settings, etc., to avoid issue relating to the hardening in the user profiles.

➤ **Bug Fixes:**

- Service mode and Computer name settings not getting applied for Windows 10 Embedded when UWF is enabled.
- Agent icon gets disappear after system log off.
- VMware connection auto start is not working.
- File/Folder import not working for system folders.
- Resolved certificate issue in Auto-negotiation flow.

❖ **V2:4.4.000**

- Resolved double icon issue after clicking the reset button.

❖ **V2:4.3.000**

- Implemented Debug enable /disable on the agent applet configuration applet.
- Implemented unknown error reasoning for Time server functionality.

➤ **Bug Fixes:**

- Host name setting for domain server consist more than 100 Organization Units.
- OU join will work for Child level domain joint.
- Resolved an issue Template functionality for UWF systems: The Agent would fail to reboot the system after disabling UWF.

❖ **V2:4.2.000**

➤ **Bug Fixes:**

- Resolved an issue in Manual discovery: When the server was configured using non-default port, the Agent failed to register to the server
  - Implemented reasoning for networking errors in Patch sync.

- Implemented change for login-required tasks: Display Setting.
- Skipped Write-filter 5-step process for the following modules:
  - Lock Computer
  - File Import Setting.
- Implemented new change requirement in Remote Installation module, for installation of. MSU type of File.
- Resolved minor issue in Host Name Setting.

## ❖ V2:4.1.000

### ➤ Bug Fixes:

- Resolved minor bugs in RDP Connections.
- Enhancements made in real time communication (SignalR) functionality.
- Most of Mantis issue are resolved and the status is updated on Mantis portal.

## ❖ V2:3.9.000

- Implemented change requirement to make work Alpine Pro Clone-Deploy functionality work on Win10IoT M715Q Board with Secure Boot Enabled state.
- Enhance SignalR (Real Time Communication) functionality.
- Improvements and enhancements done for Display resolutions (Display Module and RDP Connection).
- Added standard special character support for connection name.
- Resolved VNC connection close issue.
- Added Connection rename functionality.
- Import functionality added to automate connection creation by importing from CSV files.

## ❖ V2:3.7.009

- Issue reported by JinLiyi is resolved.
- Issue1: (CN) Localized issue in Chinese
- Issue2: (EN) Incorrect IP message for FUSION UDM Agent when there isn't network Connection.
- Issue3: (CN) Localized issue in Chinese FUSION UDM Agent Applet, Tool Tip and About- Us resolved.
- Installation of agent restrict on Write Filter Enabled system.
- Resolved backward compatibility issue in Remote Installation module: When this task was applied from old server, the agent failed to perform Write filter 5-step process.
- Resolved RDP Connection delete issue.



## ❖ V2:3.7.000

- Resolved issue regarding service mode enable/disable in Template functionality.
- Separated FBWF Cache size module from FBWF Exclusion list module
- Resolved Agent ON/OFF issue.
- Resolved network printers sync issue
- Resolved multiple times download issue at time of Agent up-gradation.

## Additional Changes

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N.A.

## Known Limitations

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- Keyboard settings gets ineffective if user presses "Ctrl+Alt+ Delete" keys. To make it effective, user needs to re login or restart.
- Boot Sequence gets restored even if entered BIOS password is invalid.
- Mouse Setting: Double click speed not getting set on the device. (Inconsistent)
- Add/edit functionality working only for Personal Wireless Properties Connection.
- Limitations in Image Clone & Deploy features:
  - Default FUSION UDM\_HTTP repository connection does not work for clone and deploy of image.
  - Cross deployment of OS image using Alpine pro is not supported.
  - Alpine pro firmware does not support WIFI connection hence image clone and deploy over Wi-Fi is not supported.
  - Full Device Clone and Deploy not supported.
  - If the client is already added in OU, cannot move it from one OU to another OU.

## Known Issues

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- Task gets Succeed for invalid file path in Local File system over Wallpaper settings.
- For windows 7, keyboard settings aren't effective post reboot on FBWF enabled device.

- Keyboard settings gets ineffective if user locks pc. To make it effective, user needs to re login or reboot.
- VMware connection created using agent version below 5.0.000, details will not get synchronise and also if we edit those connections and pass non-interactive option through latest Server then connection does not get invoked.
- File Upload module not working for FTPS connection.
- MUI Issues:
  - Fail to set Environment variable.
  - Timeout option for the Alert message is not working
  - Agent applet text for Turn ON is wrong (French).
  - Service mode information schedule popup translation is not proper. (Japanese & Chinese)
  - USER edit/delete functionality is not working (Spanish & French)
  - In Service Management, service name and description not getting updated after synchronise inventory (French).
  - Power Management does not work. (Japanese & Chinese).
  - Task Scheduler sync does not work for MUI language. (Japanese & Chinese)
- Known issues with Image Clone and Deploy feature:
  - For Alpine Process Deploy image not working for FTPS protocol
  - UWF remain disabled after completion of Clone or Deploy process.
  - If space exist in password field of the repository connection, it shows the backend script while clone process or task gets failed.
  - When user make changes in the Disk Management, on reboot shows Grub Error for windows 7.
  - Clone and Deploy task gets failed through Linux and Mac repository connection.
  - When we create new drive, after completion of clone process drive letter gets interchanged and CDDRIVE gets visible.
  - Following task goes under 5-Step Process (In Execute Later):
    - In Case of UWF: Send Message, task performs 5-Step Process.
    - In case of FBWF: Lock Computer, Send Message, Synchronise Inventory, Remote Agent settings performs 5-Step Process.

## Filenames in this Release

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- FUDM- WindowsAgent-5.4.855.exe

## Special Instructions

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- For desired working of web-socket based real time communication framework (SignalR) KB-ID KB2999226 should be installed on the WES7 and WES8 endpoint devices. KB files are available for download from the Microsoft Download on below link.
- <https://support.microsoft.com/en-in/help/2999226/update-for-universal-c-runtime-in-windows#prerequisites>
- To invoke the old VMWare connections after upgrading the VMware Horizon Client to latest version (i.e. from VMware-view client 5.4.0.1219906 to VMware-Horizon-Client-4.8.0.1562) it is mandatory to edit the existing connections from server.
- When applying the FBWF Cache size module from FBWF Exclusion list module then task goes in process.
- (On applying the FBWF Cache size) The Agent may not be backward compatible. This will work fine with old Server and latest Agent but may not work with latest Server and old Agent.
- Agent Upgrade using the .EXE installer file through FUSION UEM server will work only in write filter disable state. In case of enable write filter use option auto upgrade or upgrade agent for the upgradation of agent.
- After Agent Upgradation, Sync Inventory is compulsory to make connection rename functionality work properly.
- Connection Rename functionality may not work on sync.

## Installation Options

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- Can be installed using the following methods:
  - Installation using Active directory policy
  - Manual installation

## Further Reference

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- Refer to FUDM Installation Guide for installation Instructions.