

## Name of Release

Title	Description
Software Product Name	Fusion UEM
Release Type	Full Install
Release Date	19/08/2021
Software Version Number	5.4.855
Build Release Filename	Fusion-UEM-5.4.855.msi
Matching Windows Agent	FUDM-WindowsAgent-v2-5.4.855.exe
Matching Gio6 Agent	5.4.093 (Upgrade build :x64-1046)
Reviewed by	Prateek Navghare/ Asitpal Singh

## Overview

This is a Standard release of Fusion UEM for use with Windows, Linux, Android &iOS devices.

## Compatibility

### ➤ Server OS

- Microsoft Windows Server 2016 Standard 64bit (GUI editions)
- Microsoft Windows Server 2012 / R2 64bit all (GUI editions)
- Citrix Xen Desktop, Microsoft Hyper V & VMware virtualized instances of any of the above having minimum of 4 sockets & 4 Virtual processors.

### ➤ IIS Version

- IIS 10.0 for Microsoft Windows Server 2016.
- IIS 8.0 & 8.5 Windows Server 2012 and above.

### ➤ .Net runtime version

- Microsoft .NET Framework 4.8 full version

## ➤ Database

- Recommended Microsoft 2017 SQL Express or Microsoft SQL 2012 and above and its express editions

## ➤ SSL certificate

- OpenSSL compatible SSL certificate for HTTPS & FTPS communication.

## ➤ Internet browser for Administrator console

- Google Chrome version 60 and above (for Windows, Linux & Android OS).
- Microsoft Internet explorer Version 10.0 & 11.0.
- Chromium Edge
- Mozilla Firefox version 30 and above (for Windows, Linux & Android OS).

## Updates in 5.4.855 Release

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

### ➤ General enhancements:

- **For Gio6 (Linux) , admin needs to upgrade all devices to 2.1.07 build BEFORE the Fusion UEM server installation/Upgradation.**
- Added new two factor authentication support named as Cisco Duo in the Manage Profile Settings and Cisco Duo settings can be configured through CISCO DUO tab under Settings tab in the General Configuration.
- 5 demo Cloud Desktop license will available by default in the Fusion Setup.
- Added provision to apply only the differential template and settings on moving the device from one group to another and same is configurable via option named as select template while manual inheritance added in General Configuration.
- In case of group type with Serial Number now allowed to move the devices out from the Serial number group to any custom group if we remove the entry of that serial number from the group.
- Enhancement in Location tracking feature for Android, Windows & iOS devices.
- Added SendGrid mail server configuration in Mailer Engine Configuration module.
- Added option to select default mailer configuration in General Configuration settings.

- Added option to enable and disable Column Filter settings in General Configuration settings to display column search fields in data table.
- Added support to store the purge log file on the third-party repository which can be configured through Archive report tab present in the general configuration.
- File upload limit is 2GB from server modules.
- Removed the validation of not allowing to deploy the multiple templates having the repetitive task of the same module from both Terminal Manager and Task Manager and also added option in General Configuration module named as duplicate task in template which is configurable so to display the validation prompt if required.
- Asset Management: New implementation for hardware inventory as now user can export hardware inventory data with client information details.
- Custom Config: New report implemented as remote installation for software installation details.

#### ➤ **Template Manager enhancements:**

- Added provision to rename the Template.
- Provision to override the postponement on the Server User Interface. User can increase or decrease postponement time.
- Template override functionality enhanced by adding provision to override template of individual devices.
- Added 'Allow Task Postponement' dropdown to postpone templates over add template.
- Added Display time dropdown to set timer of Template Start message in Add Template.
- Removed custom message option for Asynchronous template type.
- Removed OS type 'All' from OS Type dropdown.
- Added postponement feature in the template to allow the end point user to postpone the applied template based on the options given by admin while deploying the template.
- Added provision to specify the separate message and timer for postponement and start template field.
- Also made provision in detailed section of the task activity monitoring to display the value of the template postponement chosen by the end user on the thin client.
- Added link device count in the task activity monitoring to display the detail statistics of the applied task.
- Added tool button named as reason detail in the detailed section of the task activity monitoring to display the collective reason of the task executed in the template.

- Added Template Details hyperlink in Template Delete popup to show list of group names were selected template is set as default template.

➤ **Repository enhancements:**

- Should be able to use default repository set for groups automatically for Windows and Linux Modules.
- Added repository mapping icon in all the upload modules so as to locate the files present in the repository before applying the task.
- Added Async upload type in the repository so as to upload multiple files at the same time.
- Added column named as size so as to display the size of the uploaded file in the repository module.

➤ **Task Activity Monitoring enhancements:**

- Added column wise search filter and can be enabled and disabled via option added in the task activity monitoring.
- Added advance search option to filter devices from the master view in the task activity monitoring.

➤ **Vulnerabilities handled and resolved:**

- Improper Exception Handling.
- Unauthorized access to User manuals and API Endpoints.
- Outdated components
- jQuery prior to 1.9.0 Cross Site Scripting Vulnerability
- SQL injection.
- Cross-site scripting (DOM-based).
- Cross-site scripting (reflected).
- To avoid Cross-Site Scripting (reflected) vulnerability, following characters &lt; " > ' \\ are blocked in Username & Password input field.
- Missing CSP in Application.

➤ **Enhancements made for Windows Management:**

- Added support of other repo like FTPS, CIFS, HTTPS, HTTP along with FTP in case file and folder import module, file folder import functionality not supported on the default repo of the Server.
- Global Repository support added for the Remote Installation and file/folder transfer module.
- Global Repository support not applicable in case of group inheritance and policy.
- Added WCL interface setting in the User interface module and need to have the supported Windows Connection Launcher 4.1.030 to use that functionality.
- Renamed the Citrix Receiver connection to Citrix Workspace App.
- Enhanced the reverse VNC functionality to remove the vulnerability caused by the distributor and also to improve the functionality.
- Enhancement made in the Overlay cache size module by removing the slider and implemented the input box to enter the value of the overlay size and also added the note which explains the maximum overlay size which can be set on the device.
- Skip reboot feature added in the Service Management Module.
- Added required command output check box in the command module.

➤ **Enhancements made for LeTOS module:**

- In the browser connection for the browser type as "Chrome" added check box option named as "Launch As Root".
- In the Printer Configuration added New GUI implementation of "Custom URL" in Network Printer.
- In the Imprivata Global added new check box with Label named as "Launch Self Service After Login"
- In the Authentication module for the Authentication type "Imprivata" added new protocol named as ProveID Web.
- In the PNAgent Global Settings added tab named as Workspace App and check box label as Full Screen Mode.
- In VMView Global Settings added Protocol, Desktop Pool and Multimedia Redirection option in Authentication tab.
- Added AWS tab in Generic Settings.
- Enhancement made in the BIOS configuration module.
- Added note in GUI: "Note: - Unchecked item will be excluded from boot sequence".

- Added checkbox in "Change Boot Sequence", checked item will be included and unchecked item will be excluded, when we uncheck up and down arrow button will be disabled.
- Below enhancement made in the Free RDP Connections.
- Added Tab COM ports
- Added Validate certificate check box
- Added Enable use old license Workflow checkbox
- Renamed ICA Global Settings to Citrix Global Settings in UI
- Removed ICA connection from Connection List
- Removed Legacy Mode option from PNAgent Connection Method in PNAgent Connection.
- Added Network Proxy Module in the Network Setting.
- Added Philip Speech Mic in the peripheral settings module.

➤ **Enhancements made for Android module:**

- Added KIOSK Service Lock option in Geo-fence settings to activate locked Kiosk mode on device when device exits a fence area.
- Added Latitude and Longitude fields to add location parameters while creating a new contact.
- Added Import File module for importing files and folders from Android devices to FTP repository server.
- Enhancement done in Firewall Settings for managing the URL list per application wise.
- Added new feature in Firewall Settings to capture outgoing network logs and the captured logs can be seen by configuring Network logs in Custom Configuration Report.
- Added Direct QR, NFC and Zero Touch enrollment types in Android EMM Enrollment section.
- Enhancement made in Bulk enrollment process with an option to validate devices in Android EMM Enrollment section.
- Optimization done in displaying the list of applications in COSU/Kiosk Settings module.

➤ **Bug fixes:**

- Upgrade Agent with latest exe-based installation through Agent upgrade option available in the device list right click option.
- Drag and drop does not show the devices in the list view until reload.
- Tree and device status async for which we have added the refresh button in the device list view

- Admin Password Change deployed through server does not changes the admin password.
- Policy or template with LeTOS user interface settings sets time format to 24hour format.
- When attempting to create a task to transfer a file to a directory with a hyphen - it is not possible to add the hyphen.

## Updates in Previous Release

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### ❖ 5.4.710

#### ➤ General enhancements:

- Module based optimization for Device Manager, Task Management and General Configuration views.
- Added new columns in Pending task activity details such as Template name, Batch count etc.
- Introduced (+) icon in System Status to view details of shared files and folders via node.
- Introduced (+) icon for viewing Application Log, System Logs and Security logs over System Information via node.
- Categorization of the options available in the context menu on the node, group as well as device list view.
- A feature introduced on the Device Manager flags an alert warning to admin that the repository is inaccessible due to invalid credential or invalid path and that the notifications display can be configured in general configurations.
- A feature introduced on the Device manager flags an alert warning to admins about the device status and notifications display can be configured in general configurations.
- Card View option added in Manager Profile Settings to enable or disable the Group information (summary).
- Added Confirmation dialog box displaying all groups / subgroups and the number of devices present in the groups / subgroups affected after the task has been applied.
- Provision to use Multiple templates with dependency management in Group Inheritance and default template.
- Task History / Task Manager section at Group level renamed to Task Activity.

- Ability added to cancel all/selected tasks for devices or groups from device manager itself by adding option like cancel, pause, resume task in the task activity module available on the node as well as group.
- Added user settings options on the group level which has various options like whether to add the task to group profile or not, to define function expiry and also provision to apply the task in the batches and same settings can be controlled globally in all the module through the user settings option added in the general configuration.
- Enhancement made in Archive report to generate CSV file instead pdf.
- Enhancements made to import reports in XLS via auto mail in the Custom Configuration Report.
- Now Support Chromium Edge browser.
- Logged IN user added to the analysis report and to the software information report.
- Added Reapply option in Obtain registry module to seek updated registry values.
- Add suggested reports (Last heartbeat of device of specific devices by software).
- Optimized Hardware and Software asset modification report.
- Implemented Group wise inheritance task list to display in group management dashboard for 1st level groups. (New Card Root / Group view).
- Added Panel Controls in below based modules.
  - General Configuration > Fusion UEM Settings > Function Expiry
  - General Configuration > Fusion UEM Settings > Patch Management Settings
  - General Configuration > Module Settings > Patch Settings
  - General Configuration > Module Settings > Application Settings
  - General Configuration > License and Upgrades > License Upgrade
  - Mailer Engine Configuration > Mailer Group
  - Mailer Engine Configuration > Contact List
  - Repository > File Upload/Download
  - Repository > Connection
  - User Management > User, User Role & User Group
- Added below reports in Report and Audit Logs session
- Device Activity Report: To view system usage, Application logs and FSD logs (Applicable for FSD devices)
- Config Report: Device File and Folder structure.

## ➤ Template Manager Enhancement



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- Implemented new columns in Task details data table like Template name, Template type, Schedule Type, Batch Count, Batch Interval & OS.
  - Added gear icon over Send Task to apply Template batch wise.
  - New User Interface for Template Manager.
  - Added “All Template” over Template Manager to View, Edit message, Delete, Duplicate template and Template History.
  - Added Functionality to Pause and Resume pending task over Home page of Task Manager.
  - Provision to select Multiple templates & apply with/without dependency.
  - Clear Dependency button added over Template manager to clear all dependency set between task in single click.
  - Added Provision to search and apply Multiple templates at a time.
  - Added Provision to Set dependency over templates.
  - Enhancement made in Task & Template sequencing for Drag-and-drop functionality to sequence tasks or templates.
  - “New registry keys, Values & dropdowns layouts are provided in Additional settings under Remote Agent.
  - Patch management Enhancement
    - Improvement made for a few patches which are not visible in Patch Management.
    - Customized BitLocker Recovery Key on requirement.
  - Enhancements made for Windows Management Modules
    - Added “Folder Synchronisation” tab over Import File in Software Deployment.
    - Added "Connection" drop down to upload a single file to multiple connections at the same time interval in New Upload over File upload / download under repository.
    - Added “Device File and Folder Structure Report” in the Custom Configuration Report to list down the synced folder and its data along with the size from the Device Manager Folder Synchronization module.
    - Added overlay settings tab is write filter operations module.
  - Enhancements made for Gio6 Management Modules
    - Added “Additional Layout” in Keyboard settings.
    - In Firewall Configurator Block drop-down list added over Custom option.
    - Connection Management
      - Added “Remote FX” tab in Free RDP Connection.
      - Added “Connection Method” drop-down in PN Agent Connection.
    - Global Settings
      - Added “Generic Settings” under Global settings.

- Added “Blast Setting” tabs in VM Global settings.
- “Multimedia Redirection” drop down is added over Option tab under VM Global Settings.
- “USB Log Level” drop down is added over MISC tab under VM Global Settings.
- Added “Domain” Tab to add, edit and delete the domains over ICA Global Settings and RDP Global Settings.
- Added “Browser Content Redirection” checkbox under others tab in PNAgent Global settings.

### ➤ **Enhancements made for Android OS modules:**

- Relaunch on unlock parameter added in General tab of Launcher Kiosk mode settings.
- Ability to upload Help icon images in Repository option provided in General tab of Launcher Kiosk mode settings.
- Added Password tab where admin can configure the Launcher Kiosk mode exit password.
- Enhancement made in Geo-fence module App Type to show or hide the applications per fence wise.

### ➤ **Enhancements made for iOS OS modules:**

- Added a “Unique Key” feature to get location details from iOS device to Fusion Server.

### ➤ **Bug Fixes**

- Device license now gets freed up from Discovery after unregistering Android and iOS devices.
- Custom Config Reports: PDF attachments fails to receive in auto mails.
- Custom Config Reports: Columns get repeated in auto mails.
- Device List View: Update of Heartbeat interval value after changing the heartbeat value from Android Agent Settings module.
- User group association - New added groups in tree view were automatically added in previously created restricted user groups.
- iOS app uninstallation issue fixed.

## ❖ **5.4.045**

### ➤ **General Enhancements**

- Fusion 5.4 requires Microsoft .net Framework 4.8 full version

- Added Address information in System Information for Android and iOS device.
- Redesign of the location pin popup to display the location address in Android and iOS device.
- Added Device Location Tracking over system information on selecting node.
- Implemented Manage Profile Settings functionality in the Action Bar.
  - Added Manage Profile to Change the Profile Photo, Email Address and Contact.
  - Added Change Password option to the administrator account.
  - Added Reset password using Email Id.
  - Added Two-way security for user account i.e. Google authentication and Email.
- Enhanced hostname-based group management feature:
  - In case of hostname-based grouping if hostname changes, the device gets relocated to corresponding hostname group and a growl message is displayed for "Hostname Based Device Automatic Relocation". This behaviour is configurable using general config. Alerts are also generated on automatic relocation of devices.
- Battery Information Widget is added in System Information and Device List view to display the following Battery parameters.
  - Battery Charge Status
  - Battery Remaining Capacity
  - Average Battery
  - Power Saver
  - Power Mode
- Reports enhanced in Send Email feature to add pre-bodies i.e. cc, bcc.
- Reports module high volume data loading optimization.
- Added Validate connection button in software installation and file transfer module.
- Added Performance Monitor Module (Server Configuration and Performance Counter) in Server Configuration Utility.
- Added provision to apply software installation in batches from software inventory report and Windows Device Manager.
- Inventory sync dropdown feature is added in Synchronise inventory of Remote operations.
- VNC Functionality Enhancement done:
  - Single step quick connection for forward VNC
  - Password/port/IP masking in the VNC URL.
  - Updated to latest html viewer and improved reliability of VNC connection.
- Configuration Setup
  - Redesigned General Configuration menus.

- Performance counter, Installation Information & Server Configuration widgets are added on About Fusion page
- Added Tree View in General Configuration to show or hide the Device Tree View on Device Manager.
- Added option in General Configuration to show or hide Windows and Linux menus.
- Enhancement done in Group Association selection while adding user and assigning a User Group.
- In User Management added Deactivate and Delete button for multiple users from the list.
- Template Management
  - Task Schedule type functionality is added over Template Manager to apply multiple task Immediate or Sequential/Dependency,
  - Implemented Template dependency in apply template.
  - Implemented a new dropdown to apply a template via Group, Computer & Custom in Send Task.
  - Added Task Schedule Type option in Template Manager.

### ➤ Enhancements made for Windows OS:

- Added Browser restriction in security module.
- Added Connect even if the network is not broadcasting check box in Wireless properties to add hidden network.
- Added Application Restrictions dropdown in Software Restrictions to Allow All and Deny All the applications.
- In Wallpaper and Screensaver settings modules the browse and upload functionality are added over single click for validation.
- USB Device Controller Status checkbox is added over USB Device Manager module to enable /disable the device parameters.
- Added “System Usage Report” to generate system usage report based on Boot Time and Ideal time in Custom Configuration Report.
- Added System Tracking Report to track the System details i.e. IP change/Group Change/Employee Change/Host Name change in Custom Configuration Report.
- Implemented Wake on Lan in template over Remote Operations.

### ➤ Enhancements made for Gio6 OS:

- Enhanced the feature Computer name for Host name Generation, added Type combo box (Mac address, Serial Number).
- Added checkbox “Use FQDN instead of Alias Name for Connections” in Computer name.
- Enhancement made in wireless properties module frequency dropdown added
- Enhancement made in 802.1 Security Module
- Added Provide Driver name combo box with four (4) pre-installed drivers in Printers.
- Thin Print added in printers.
- Applications module added.
- Enhancement done in Advance settings of Remote Agent.
- Mobile Storage added in Storage.
- In Services by default “Notify user” is set over X11VNC connection.
- Added Fullscreen Mode checkbox in PNAgent Global Settings of Connections.
- Enhancement made in VMView Global Settings module.
- Enhancement made in VMView Connection.
- Imprivata Global module added in Connection Management.

## ➤ Enhancements made in Android MDM Configuration

- Android User Provisioning:
  - Added enter character option in Add Bulk Users module to replace the entered character with comma (,) in Contact fields.
  - Registered devices with updated user details can be viewed in the Device List View of the Device Manager while performing Edit functionality.

## ➤ Enhancements made for Android OS

- When you start remote control via Splashtop, the popup to confirm the installation of the Splashtop Business Desktop App will only be requested for the first time.
- Added Wi-Fi option in COSU/Kiosk module General tab to enable and disable Wi-Fi widget in Kiosk mode.
- Added Help option in the General tab of the COSU / Kiosk module with the ability to upload help image and text in kiosk mode.
- Added feature of Background Running Application in Super and Launcher mode COSU / Kiosk module to select applications for running in the background.
- Added Weblink functionality in Super Kiosk mode to launch single website and in Launcher Kiosk mode to launch multiple websites with friendly name and icon customization.

## ❖ 5.4.001

### ➤ General Enhancements

- Enhancements done in Customer pop-up wizard.

## ❖ 5.4.000

### ➤ General Enhancements

- Implemented Multiple battery monitoring for Windows and Alerts in System Information.
- Implemented automatic update of registration status of devices in register activity widget of discovery view.
- Implemented Device Initiated Request to notify the user to Register.
- Added provision to apply multiple templates with dependency from the Context menu.
- Added Application Date Format in General configuration of Configuration Setup.
- Server Configuration Manager Utility can accept log in using domain user.
- Miscellaneous certificate option added in change certificate module of server configuration utility to automatically generate .crt and key file from .pfx file (required for VNC) and place it in the server application folder.
- Added Windows Authentication support in case of remote database setup.
- For clone & deploy, enhancement made in the repository manager to use the repository connection which are not reachable from management server by choosing source as manual from the dropdown.
- Group Inheritance task after deploy image is now configurable via enable group inheritance after deploy image option available in general configuration.
- Enhancement made in Apply Template module for Group context menu.
- Added Synchronise functionality for individual connections in Repository.

### ➤ Enhancements made in UI

- On Selection of appropriate widget, Device list view sorts as per the selection.
- Added options for color themes and positioning of menus in the layout configuration of device manager.

### ➤ Enhancements made in Android MDM Configuration:

- Added option to configure Splashtop in Android EMM Enrollment tab.
- Added View option to configure applications on group level User Application Provision tab.

- Removed the 10-device limit count for users in Generic domain.

## ➤ Enhancements made for Android OS:

- Registration based on IMEI number for Android devices.
- Implementation of Splashtop remote for Android devices.
- Enhancements done in Call Blocker module for Android.
- Enhancements done in Contact module for synchronizing contacts from Android devices.
- Added Contacts in COSU/Kiosk mode for Legacy Android devices.
- Uninstallation option added of applications in Application Configuration.
- Remote Operation Tools added in Android Template Manager.
- Enhancement in current device location status in device System Information.
- Enhancements done in displaying the Compliance status of Android devices.

## ➤ Enhancements made in Geofence for Android OS:

- Enhancement in Geofence module for disabling applications fence-wise.
- In Monitoring and Maintenance alerts list, the alerts are generated automatically hence the alerts are shown in System Information of devices and groups.

## ➤ Enhancements made for Windows OS:

- In reports of Hardware Inventory, a new field is added to generate age of Device automatically on Asset Purchase Date & Asset Expiry Date.
- Added System Tracking Report to track the System details i.e. IP change/Group Change/Employee Change/Host Name change in Custom Configuration Report.
- Added "System Usage Report" to generate system usage report based on Boot Time and Ideal time in Custom Configuration Report.
- Added a category to send Asset Expiry report in Mailer Engine Configuration.
- GUI enhancement done for Software Restriction module in terminal and task manager.
- Added Vendor Contact details and Ownership details fields over Hardware Inventory.
- Now Citrix connections are allowed to support Citrix workspace and Citrix Receiver. Manually editing of Citrix connection is not permitted on Citrix receiver so same has been validated on the server.
- Time and Language Module enhanced to change Time and type of Language over System Settings.
- Provision added to replace all exiting keys in Keyboard locale (effective after the device reboot).

- Implemented New Parameter "Auto reconnect" enabled for Windows Internet Explorer connection in Connection Management.
- Integrated new Windows Agent v2-5.3.001 with all executables Code signed for compliance with the latest Microsoft Windows Defender definition updates. The installer can be deployed using the management server or by direct USB installation at the device.
- Obtain Registry module is added in Registry Backup Restore.
- Added TeradiciPCoIP protocol connection config support for Windows IoT.
- Inheritance Enhancement done (File Upload modules now supported in group inheritance.)
- Enchantments made in Patch Management
  - Enhanced UI of the dashboard for better user experience by moving Other category device count in "Synchronization Not Supported" sub-widget.
  - Added Sync status control to display the Last Sync status of Patch Synchronisation task in Sync Status of Right menu.
  - Added Patch Installed status pane over Dashboard and Patch Installation activity in Right menu to show the status of patch deployment task.
  - Added provision to display monthly missing patches over the dashboard, released in the time frame of 365 days and above
  - In UI of the dashboard, A Filter is added over Patch Synchronisation Status pane to sort the Synchronisation status by date and time.
  - A Filter is added over Patch and System View Status of Dashboard to sort patch view and system view status with OS
  - Added schedule later functionality in patch deployment process.
  - In Bulletin, Updates added functionality to flag the KBID's monitored to get the KPID on top of the list on loading the widget.

## ➤ Enhancements made for Gio6 OS:

- All input textboxes on the server can accept special characters and their various combination as the input.
- Added Disclaimer module in the Administration menu.
- Enhancement made in the SCEP Manager.
- Added option of "Manual input from Device" in Hostname in the Computer name configuration module.
- Enhancement made in Import connection functionality.
- Added Combo Box in Telnet connection for Resolution in Display configuration module.
- Added Auto Reconnect Delay option for all the connections in Misc tab.



- Enhancement made in wireless properties module frequency dropdown added
- Enhancement made in 802.1 Security Module
- Thin Print added in printers
- Applications module added
- Enhancement made in software upgrade module added Validate Connection button
- Computer Name module enhanced added one more option like 'Serial Number' for Hostname by dropdown.
- Computer Name module enhanced now accepts 64 characters.
- User Interface Setting module enhanced:
  - In Desktop mode added Connection Manager, Control Centre, Application and Connection checkbox in Start Menu Properties.
  - In Appliance mode added Windows List checkbox in Start Menu Properties.
- Display Module enhanced
  - Added amdgpu driver in driver dropdown list on group and site level.
  - Added standard resolution list in dropdown on group and site level for both device and template manager.

## ❖ 5.2.000

### ➤ Enhancements made for Windows OS: -

- Implemented Real-time communication framework for Windows agent to server communication.
- Wallpaper module enhanced for restricting wallpaper from Device and Template Manager for current logged in user.
- Screen saver module enhanced for restricting Screen saver from Device and Template Manager for current logged in user.
- On Installation of Server, Cluster Support is added.
- Added a prompt to show warning for reminder of taking database backup manually/explicitly before upgrade.
- Added provision to delete a user in the user management (initially you need to de-active the user, then you can delete the user).
- Added Batch wise execution for Software Installation & File Transfer module through device list view context menu.
- Provision made to reapply the task having status as Cancelled, Failed and timed out through task activity monitoring.

- Advance Filtering added in task activity monitor to filter out the applied task.
- Zero config domain join reset option added.
- Feature added to configure automatic removal of agent-initiated devices having status as unregistered.
- Message title length increased to 65 chars.
- Messages sent to devices displayed in desired format instead of in single line on the device.
- Missing fields like remote IP of the created connections added in RDP custom config report.
- In Custom config report last logged in user added in USB report.
- Custom config report added for displaying registry values present on the devices.
- Enhanced Software Installation module to get date/time of all software installations
- Special characters (#, /, @) are allowed in Linux and Windows for joining the domain through FUSION UDM PRE console.
- Added new feature at the user end that allows instant restart/shutdown operations
- IIS Settings is integrated into the installation
- In task activity monitoring, the server can store the data up to last 30days.
- A filter is added in Asset Management in Software inventory report
- Auto-refresh functionally added in register Tab.

## ➤ Enhancements made for Gio6 OS

- Added On resume, display logon password option in Screen Saver module.

## ➤ Bugfixes

- Windows OS
  - Status of Disable Client is displayed OFF in Device List View.
  - File Transfer task with batch execution remains in process.
  - Form gets blank when clicked on Return button while editing default Firewall exceptions.
- GiO6 OS:
  - In ICA Global Settings, some settings are not getting reflected on Device.
  - In user interface default blank value gets loaded on group.
  - Monitor power setting not retained on server.
  - In authentication module option "On 5 wrong password attempts" Do Nothing/Restore System works when we use the option "Set default user".

- IP shows blank after registration of Linux devices.
- SCEP Manager > Task failed with reason "Password Not generated/CSR field are blank when applied through Template".
- In ICA Global Settings, some settings are not getting reflected on Device.
- In MUI languages the user access task remains in process.
- Monitor power setting not retained on server.
- In authentication module option "On 5 wrong password attempts" Do Nothing/Restore System works when we use the option "Set default user".

### ➤ Customer Reported Bugfixes

- Resolved issue of sending port 21 instead of the configured port 9100 in Linux printer module.
- Resolved issue of Domain User Unable to view new groups.
- Resolved issue of when creating a Linux background template, with style full screen selected, the background tiles instead of being full screen.
- Corrected text of idle in the Linux screen saver module.
- Resolved the folder name getting passed along with clone file name on using Linux FTP repository.
- Resolved the options of Auto-generate option disabled for windows computer name.

## ❖ 5.0.000

### ➤ Enhancements made in UI:

- Graphical representation of dashboard widgets in forms of pie-charts and graphs in Device Manager, Asset Management, Software Deployment, Reports and Audit Logs.
- Detailed graphical representation of every dashboard widgets.
- Added feature to enable/disable dashboard for the user profile.
- Layout Template added having layout/quadrant to three level (vertical, horizontal, vertical and horizontal) layout.
- Icon identifier badges added in device list view to notify the state and status.
- Enhanced design and structure for System Information, System Profile and Group Information.

### ➤ General Enhancements

- State save implemented in the device list view.

- Tool buttons added for remote control operations.
- Refresh button provided for task status updated.
- Advanced filtering option added in task activity monitoring to filter applied tasks based on number of weeks.
- Added feature to search and export the applied task details in task activity monitoring.
- Added feature to change VNC password for both Windows and Linux devices through context menu and remote agent settings in RHS menu.
- Added Software Inventory Report in Software Deployment View to filter and install software on missing devices.
- Added feature to remove templates which have been applied to a group.
- Added button to close all the growl messages at a time.
- Added Server Configuration Manager Utility having provision to manage various miscellaneous features.
- Added provision to Duplicate an existing Template in Task Management View
- Agent Version widget added in dashboard which groups different client machines having same agent versions.
- Optimized and implemented missing patch details according to OS Details in Windows Update Report.
- Help Icon enabled in all modules for furnishing the information about the respective module.
- Enhanced Domain user form in Configuration setup.
- Provision to apply multiple templates on Group and node from Tree view and Device List view.
- Deploy Image module added under Image management in Template Manager.
- Enhanced design and structure for System Information, System Profile and Group Information.
- Added Scheduler for Task Manager in Device Manager View.
- In Device List View 'All' option added in the 'Show by Value' dropdown.

## ➤ Enhancements made in Android MDM Configuration

- Restructuring of Android MDM Configuration module.
- Configuration of IMEI Inventory.
- Creation of auto users with IMEI numbers in Bulk enrolment.
- Applications which are set as mandatory now gets automatically installed on device registration.

## ➤ Enhancements made in License

- Installer license now changed to trail 90 days instead of unlimited days for 10 devices.
- Added feature to cancel offline license activation request in the License upgrade form.
- License key now supported with days validity.

## ➤ Enhancements made in Reports and Audit Logs

- Added Historical Cellular Data Usage & Custom Config Reports.
- Added Purge history report to view, save and delete the purged reports file.
- Added feature to install patch on devices through Windows Updates Reports.

## ➤ Enhancements made in User Management

- Module restructure of User Management module.
- Added feature to activate and deactivate the created user in User Management instead of delete functionality.
- Enable/Disable column removed from User tab.
- Check box option to enable/disable user removed from edit user form.

## ➤ Enhancements made for Android

- Added APN Settings, Open VPN Configuration, Firewall Settings, Contact module for Android devices.
- New remote view feature for Supervised Android devices.
- Added Contacts in COSU/Kiosk mode for Supervised Android devices.
- Added General tab in COSU/KioskSettings for enabling and disabling widgets on Kiosk screen.
- Added application auto-launch functionality in Kiosk Launcher mode.
- Added repository functionality of image uploading for customised logo and background in Kiosk Launcher mode.
- Added new context menu features Historical Cellular Data Sync, Repository Sync for Android devices.
- Software and Patch Install/Uninstall: Added functionality of deploying mandatory applications on device and enhancement in display of applications list for system applications.
- Enhancement done in failed password attempts event in Data Security Policy module.
- Maximum failed password attempts for wipe can be set as 0 in Password Policy.

## ➤ Enhancements made for Windows

- Added Blast protocol and related configuration settings in the VMware View Connection in connection management.
- Added VMView global setting in the connection management.
- Enhanced User Management module added Reset Password functionality.
- Provision of repository integration for Import File module.
- Added Write Filter status and Patch status widget in dashboard and able to perform operation for the both.

## ➤ Enhancements made for Linux

- Custom Partition module added under Administration in Device and Template Manager.
- Font Management module added under System Settings in Device and Template Manager.
- Sound Management module added under System Settings in Device and Template Manager.
- DNS Suffix module added under System Settings in Device and Template Manager.
- Fabulatech module under System Settings in Device and Template Manager.
- Advanced Settings added under Remote agent settings in Device and Template Manager.
- Crontab module added in System Setting.
- Telnet Connection added in Connection Management.
- "Exit on Disconnect" option added in VM-View connection.
- "HDX over UDP" option added in PNAgent Global Settings.
- Enhancement in User Interface Setting and Display module.

## ➤ Configurable Linux system log

- VMView Global settings module enhanced added Share Removable Storage checkbox under MISC tab.
- Monitor Power Settings module enhanced as provision made for brightness reduction on inactivity.

## ➤ Misc

- Added EMM Repository in FTP Connection for Android device for file synchronisation.
- Monitoring & Maintenance – added events for Android devices.
- Help Icon enabled in all modules for furnishing the information about the respective module.

- Provision to apply multiple templates on Group and node from Tree view and Device List view.
- Deploy Image module added under Image management in Template Manager.

## ❖ 4. 1.000

### ➤ New Features and Enhancements

- Added BYOD, Supervised & Legacy modes in Generic enrolment type.
- Added Application name & Package name inputs in Android Remote Installation module. (Silently install an application in Supervised devices)
- Enhanced Location Tracking feature to show routes on the map.
- The default SSL certificate (local CA signed) is updated to use SHA-2 (Sha 256).
- Made changes in EMM console user session management. Enabled multisession per user, removed
- session expiry handling upon browser close event.

### ➤ Enhancements in Task Management and Template Manager

- All configuration modules present in Terminal Manager are now added and available in Task Manager as well.
- Task Manager sub module is removed in Task Management view.
- Added new and enhanced Template Manager module with features to add, edit and delete the
- Templates.
- Templates can consist of device configuration tasks and the Templates can be applied using "Create" Task: option from Template Manager itself.
- Saved recurring tasks are now being displayed in separate "Recurring Task Details" submodule.

### ➤ Misc

- Added alphanumeric token in EMM User Provisioning module.
- Added Company name & Enterprise account fields in System Information of Android devices.
- Added Unregister device option in Context menu.
- Added Enable/Disable Work profile option in Context menu.

- Trial license is updated from 90 days to unlimited days for 10 devices.

## ➤ UI Enhancement

- New horizontal menu style implemented for all modules.

## ❖ 3.9.000

### ➤ New Features and Enhancements

- Added Generic Domain enrolment type in Android EMM Enrollment.
- Added Wifi Hotspot Connection, Geo Fence Settings and Call Blocker module for Android device.
- Added functionality to enable/disable Enforce GPS, Cellular Data and Lockdown WifiConfig in Peripheral Settings.
- Enhancement in Kiosk mode for Legacy devices.
- Added Geo Fence Monitoring Reports in Reports and Audit Logs.

## ❖ 3.6.013

### ➤ New Features and Enhancements

- Added Device auto-registration feature in General Configuration.
- Added Legacy option in Android User Provisioning.
- Added Location Tracking feature in device System Information.

## ❖ 3.6.012

### ➤ New Features and Enhancements

- Enhancement in Pending Tasks Activity Detailspanel view in Device Manager.
- Improvement in User Management for Domain users.
- Added new Admin email id field for Android EMM enrollment process.
- Added manual Token enrollment process in Android User Provisioning.
- Profile Type for each user is shown in Android User Provisioning.
- Added functionality to add bulk users in Android User Provisioning.
- Added feature to filter Closed Tasks and EMM API Tasks in Task Activity Monitoring.
- Added Applied Policies tasks list on site selection in Tree view.
- Added Task Manager functionality on group.



- Added Apply Template for saved tasks on group.
- Added Communication Logs in Reports and Audit Logs view.
- Click logout button to exit from Fusion EMM server.

### ➤ Improvements and Fixes

- Improvements in Managed Application Configurations module.
- Fixed issue of Shadowing VNC task on device.
- Bug fixes in COSU/Kiosk customization mode.
- Bug fixes in Software and Patch Install/Uninstall module.
- Fixed Remote Lock task issue on group apply.

## ❖ 3.4.000

### ➤ New Features and Enhancements

- Added new profile types for groups and Android devices: BYOD, Supervised, Kiosk& Legacy.
- Added validations and notes of applicable policies and commands w.r.t OS versions & profile types
- Improvement in provisioning flows to further automate the process, by using qr code to auto fillagent registration data etc.
- Added provision to specify the profile type of device before provisioning/enrolment
- Added GIS View/Map in Group as well as System Information to spot the location of enrolled Android and iOS devices.
- Added configurable kiosk mode settings for title, background and logo configuration
- Added Task Information tab in system Information to collectively displayed list of tasks applied on the devices.
- Enhancement in Wi-Fi module update code for 802.1X EAP Wi-Fi connection and Sync for Android devices.

### ➤ Improvements and Fixes

- Added provision to specify IMEI information of device to relate/tie down to a user.
- Added device profile type column in Device manager list view
- Added mailer content and guidance steps into the user invitation mailer.
- Provision for unregistering of DEP device (iOS) is now available.
- Optimization done to reduce Data Bandwidth consumption doneby Android devices.
- Page refresh function added in Device manager.

- In Android Enrollment process while scanning QR code from server will contain – FQDN, username, owner type.
- Enhancement in password policy module, password can now be set for device or for work profile for Android Devices.
- Data synchronization done for User Restriction Policy for Android Devices.
- Ability to detect insertion of second SIM card for Android devices.
- Implemented an agent notification, which is displayed while adding certificate or installing application through EMM Server.

## ❖ 3.3.000

### ➤ New Features Added

- Android
  - System Settings> VPN (Connection manager)
  - Administration> COSU/KIOSK Settings
  - Administration > Device User Management
  - Administration > Setting Management
- iOS
  - Configuration setup> DEP Profile module
  - Context menu >Assign DEP Profile
  - Group information >IOS DEP Profile
  - Discovery > DEP field added
  - Configuration Setup > Application restriction
- Menu reshuffling & clubbing
  - Software Update for Android shifted in OS update.
  - Device Settings for iOS shifted to System settings menu.
  - Airplay Mirroring & Airplay module clubbed in Mirroring Setting.
  - Calendar & Calendar subscription get clubbed to Calendar menu for iOS.
  - Lost Mode module name changed to Device Lost Mode

- While profile gets removed from device, on server device gets disabled with red mark. Apply any task to disabled client “Profile has been deleted for this device” alert displayed from server end.
- Advanced application search feature for approving company applications in Google MDM configuration.

## ❖ 3.2.000

### ➤ New Features

- Added HTML Help in EMM server.
- Nougat(v7.0) device Enrolment supported.
- Provisioning through Android for work(AFW) account.

### ➤ Bug fixes

- Fixes for device enrolment using global FQDN.
- Cross-profile widget provider task remains pending for android devices.
- Inconsistency in display of profile list in system information.

## ❖ 3.1.000

- Improved EMM Colour Theme
- Aesthetical corrections

## ❖ 3.0.000

- OU/Group Management
  - Full integration with Microsoft ADS, LDAP, Google directory for the Android devices.
- Device Enrolment
  - iOS device enrolment using OTA, Apple DEP.
  - Android device enrolment using Android for Work, Google domain account.
- Device Provisioning
  - BYOD & Corp Liable.
- Device Inventory
  - Device Information, Certificate details, installed application list, Installed restriction list, Profile list and Provisioning profile list.
- Asset Management

- Hardware & Software Inventory Management for the Android.
  - Hardware Inventory for the iOS devices.
- MDM Basic Features
  - Remote Operations: Send message, Sync, Clear passcode, Device lock, Remote wipe.
  - User, Device Configuration settings.
  - Wi-Fi configuration including security & proxy settings.
- Application Management
  - App store management.
  - Add/Remove Apps silently. (Not Silently now)
- Security Management
  - Define Password policy settings/protection/reset.
  - Enable/disable peripherals and peripheral settings for Wireless, Bluetooth, Location, Camera and USB.
  - Remote operations for wipe & lock.
- MDM Advanced Features
  - Basic VPN/Proxy/Gateway configuration.
- Advanced application management
  - Application approval, bulk licensing/license management, distribution and user product set.
- Advanced security management
  - User, device restrictions & lock down functions.
- Enterprise configurations
  - VPP based App management.
  - VPP based distribution.
- Browsing Management
  - Chrome/Safari browser security configuration.

**Implemented following modules for IOS management in Device Manager View.**

### ➤ System Settings

- Network Settings.
  - Wi-Fi Connection Manager.
  - Connection Manager.

### ➤ Security Settings

- Password Policy.
- Security Policy
  - Device Functionality
  - Security
  - Apps
  - Safari
  - iCloud Settings
  - Privacy
  - Supervised Restriction
- Lost Mode
- Air Mirroring
- Airplay

## ➤ Administration

- Certificate Manager
- Wallpaper
- Global Proxy Settings.
- Calendar Subscription
- Contact
- Calendar
- LDAP

## ➤ Software Deployment

- Software & Patch Install/Uninstall.
- Application Configuration
- OS Update

## ➤ Device Settings

- Roaming Setting
- Hotspot Setting
- Device Name Setting

## ➤ Context Menu

- Remote Operation

- Synchronise Inventory.
- Send Message.
- Remote Lock.
- Remote Wipe.
- Clear Passcode.

Implemented following modules for Android OS in Device Manager View

## ➤ System Settings

- Network Settings.
  - Ethernet Setup.
  - Wi-Fi Connection Manager.

## ➤ Security Settings

- Password Policy.
- Remote Lock.
- Wipe Data.
- Peripheral Settings.
- Data Security Policy.
- Security Policy.
  - User Restriction Policy
  - Camera & Screen Capture
  - Key guard Features

## ➤ Administration

- Agent Settings.
- Certificate Manager.
- Account Management.
- Global Application Policy.
  - Set Input Methods
  - Accessibility
  - Install from Unknown Sources
  - Runtime Permission

## ➤ Software Deployment

- File Transfer.
- Software & Patch Install/Uninstall.
- Application Configuration.

## ➤ **Managed Profile Policy**

- Profile Policy.
- Cross profile widget provider.
- Cross profile intents.

## ➤ **Context Menu**

- Remote Operation
  - Synchronise Inventory.
  - Send Message.
- Shadowing.
  - VNC

Implemented following modules for Android OS in Task Manager View

## ➤ **Task Management**

- Task Monitoring Activity
- Task Manager
- Template Manager

## ➤ **Network Settings**

- Wi-Fi Connection Manager

## ➤ **Security Settings**

- Password Policy
- Remote Lock
- Wipe Data
- Peripheral Settings
- Data Security Policy
- Security Policy
  - User Restriction Policy

- Camera & Screen Capture
- Key guard Features

## ➤ Administration

- Agent Settings
- Certificate manager
- Global application Policy
  - Set Input Methods
  - Accessibility
  - Install from Unknown Sources
  - Runtime Permission

## ➤ Software Deployment

- File Transfer
- Software & Patch Install/Uninstall
- Application Configuration

## ➤ Manage Profile Policy

- Profile Policy
- Cross-Profile Widgets Providers
- Cross-Profile Intents
  - Cross Profile Intent
  - Clear All Cross-Profile Intent

## Known Limitations

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### ➤ Generalized Issues related to Android and iOS

- Send Message feature in iOS requires agent app to be installed.
- Silent installation/removal of iOS Appworks only in supervised mode.

### ➤ General Limitations related to Windows and GiO6 OS

- 
- User has to execute Database script manually to see the Location view module in application settings user role.
- Gear icon function doesn't support Linux Modules.



- Computer name/Host name reports differs in separations (e.g. if you are entering as " 1-1-2 " it will show as 01/01/2002 on reports for excel sheet).
- Certain remote configuration & administration modules are available only in Device Manager view, unavailable in task manager.
- Hardware information listing of multiple Audio and Graphics devices on a single end point is not supported.
- Discovery View default page count value is now set to 10 to improve performance.
- On upgraded Server, created recurring task on old server from Template Manager does not apply.
- Only one 802.1 security settings can be configured at a time
- 

## ➤ **GiO60S**

- Application date format date change not supported for Linux Date and Time module.
- Already created templates containing Power Management settings will not work on upgraded server.
- Linux: Import/ export setting functionality is support only on same image build.
- Linux Modules which are not included in Inheritance & Clone Deploy Properties
  - DNS & Gateway
  - Certificate Manager
  - Software Upgrade
  - File Transfer
- Linux Modules which are not applicable in inheritance & Clone Deploy Properties
  - Date Time
  - Installation restriction

## ➤ **Windows OS: -**

- Windows Modules which are not included in Inheritance & Clone Deploy Properties
  - Services
  - Application
  - Command
  - Startup Application List
  - Task Scheduler
  - Firewall
  - File transfer

- Import File
- Software & Patch install/Uninstall
- Registry Backup Restore

## Known Issues

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### ➤ Generalized Issues related to Android and iOS: -

- On enrolling iOS version 13 devices as DEP, the DEP Profile fails to download on the device.
- Password Policy functionality misbehaves.
- Uploading valid CSR file on apple server, PEM file does not get generate it shows extension. JSON on IE browser for iOS device.
- The Compliance and Non-Compliance status for Android devices sometimes misbehaves.

### ➤ Generalized Issues related to Windows and GiO 6 OS: -

- In file transfer module, on revisit tab remain on folder transfer.
- Printer edit task get failed with reason 'printer does not exist'
- Mouse setup double click speed setting changes effect intermittently
- Display frequency setting for Windows end points for option other than 60Hz is not effective.
- When we Schedule disable Write Filter task through Task manager on a windows device having Disabled write filter, task remains in process.
- Auto mailer functionality misbehaves in custom config report when in case of future/Invalid dates.
- Selection functionality in Device list view sometimes misbehaves.
- Optimal RAM size task shows Drive Size as 1000 in Function link when applied from Group, but it sets correct optimal size on client machine.
- Status of Disable Client is displayed OFF in Device List View.
- Form gets blank when clicked on Return button while editing default Firewall exceptions.
- When we rearrange column on Device list view, A filter with null value gets created
- When we change Computer Name for a node with Space in between text, task fails with reason "Cannot create a file when that file already exists."
- Software Inventory report remains in loading state for long time.
- Tasks are not getting applied on New Tab when selection on main tab is on Group or Site
- On New Tab task gets applied to a different device when node selection is on different device on Main Tab.

## ➤ Template Manager:

- Ethernet setup and wireless setup gets applied to both wired & wireless devices. (not validated through template)
- Immediate template issue: Taking multiple reboots randomly
- Windows Disable Write Filter task will remain in "In Process" state when applied through template.
- When template is applied with Windows Enable Write Filter as a first task, the template execution misbehaves.
- Existing Template when set as Preventive task, template not getting applied when alert is raised on the Device.

## ➤ Android OS:

- Location Tracking: When plotted points in map exceeds the A-Z range, then special characters are displayed.
- User Restriction Policy: For First Time Client Inheritance and Template Manager on BYOD devices, the task gets failed.

## ➤ Windows OS:

- In case of independent template, if templates have custom message and display time then Agent Alert window does not appear for another template.
- In case of Drag drop inheritance, folder synchronization policy does not get applied.
- Batch count functionality not supported in case of the template of type recurring.
- HTML VNC is not supported using Firefox and Edge browser.
- Mouse setup double click speed setting changes effect intermittently
- Display frequency setting for Windows end points for option other than 60Hz is not effective.
- When we Schedule disable Write Filter task through Task manager on a windows device having Disabled write filter, task remains in process.
- Status of Disable Client is displayed OFF in Device List View.
- Form gets blank when clicked on Return button while editing default Firewall exceptions.
- RAM Disk task remains in "In Process" applied through Inheritance.
- While creating new group, Navigation keys are not functional in Group Name field.

- When click on apply template on group, previously applied templates checkbox remains unchecked.
- Default template count does not get update after editing default template.
- Screensaver task succeeds but doesn't get set on devices if the screensaver file is not present on the client machine.
- Task Scheduler module is not stable to operate.

## ➤ **GiO 6 OS:**

- Administration > USB Device Manager > Class/Device rule and Custom Device Id's > On delete, task gets fail by reason, "Rule does not exist"
- SCEP Manager > Task failed with reason "Password Not generated/CSR field are blank when applied through Template".
- Ethernet task remains in process when applied through Template and Deploy Properties.
- Computer Name doesn't get set on device when applied through Template & Inheritance.
- Whitelist task remains in process for Firewall Configurator module.
- Firmware Upgrade not supported through CIFS and FTPS repositories.
- Option Tab remains disabled for the Free RDP, RDP, ICA and VM Ware Connections.
- In ICA Global Settings, some settings are not getting reflected on Device.
- Host setting task fails with reason 'Host already present' when applied through Deploy Properties.
- IP Address & URL's task doesn't get applied when applied through Deploy Properties.
- In case of applying multiple templates on Gio 6 devices the execution of the all tasks does not get completed successfully remains in process state.
- Display- On changing "Set primary" Screen, Refresh rate becomes blank for certain resolutions.
- Display-on changing "Set primary" Screen, Resolutions does not get interchange.
- Services-Pulse Audio task not getting saved in Template.
- Thin print task remains in In-process state.
- Sometime Host Name appears blank in the tree view.

## **Filenames in this Release**

- Fusion-UEM-5.4.855.msi

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## Important Instructions

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- **For Gio6 (Linux) admin needs to upgrade all devices to 2.1.07 build BEFORE the Fusion UEM server installation/Upgradation.**
- For management console, the default login user name is 'admin' and password is 'admin'
- To avoid Cross-Site Scripting (reflected) vulnerability, following characters &" > ' \ are blocked in Username & Password input field.
- So in case if you have any of the above mentioned characters in your username and password field make sure that you update them before doing the server update so as to avoid any issues with your login.
- Compulsory FQDN browsing required for opening Apple MDM Configuration menu present in the configuration view.
- For applying Open VPN Settings and Firewall Settings, the Open VPN application and Netguard application should be respectively installed on the Android device.
- Only write filter log is enabled on Agent by default.
- VNC connection does not work in case the end point is already shadowed using RDP session or System is in Logged Off state.
- For Windows Task Scheduler to sync tasks present on device, it is mandatory to enable "Sync Task Scheduler" from Remote Agent > Advanced Settings.

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## Document References

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- Refer to VXL FusionUEM Installation Guide for installation Instructions
- Refer to Fusion UEM Administrator Guide for user instructions