Name of Release

Title	Description
Software Product Name	**LGE Fusion UDM Professional**
Release Type	Full Install
Release Date	12/11/2019
Software Version Number	2.0
Build Number	5.4.000
Build Release Filename	LGE-FusionUDM-Pro-v2-5.4.000.msi
Matching Fusion Agent	LGE-FUDM-WindowsAgent -v2-5.4.100.msi for Windows
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Overview

- This is a release of **LGE** release of Fusion UDM Professional Edition for use with Windows Embedded, Windows Desktop & GiO6 OS.

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 8.0 & 8.5 Windows Server 2012;
  - IIS 10.0 for Windows Server 2016.

- **.net runtime Version**
  - Microsoft .NET Framework 4.8 full version.

- **Database**
  - Recommended Microsoft 2017 SQL Express or Microsoft SQL 2012 and above.

- **SSL certificate**
  - OpenSSL compatible SSL certificate for HTTPS & FTPS communication.

- **Internet browser for Administrator console**
  - o Google Chrome version 60 and above (for Windows & Linux) recommended
  - o Microsoft Internet explorer Version 10.0 & 11.0;
  - o Mozilla Firefox version 30 and above (for Windows, Linux);

Updates in v2.0 Build 5.4.000 release

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

➢ General Enhancements

- FUDM 5.4 requires Microsoft .net Framework 4.8 full version.
- Added support in the fresh installer to select different path for Database LDF, MDF files.
- Implemented Manage Profile Settings functionality in the Action Bar.
  - o Added Manage Profile to Change the Profile Photo, Email Address and Contact.
  - o Added Change Password option to the administrator account.
  - o Added Reset password using Email Id.
  - o Added Two-way security for user account i.e. Google authentication and Email.
- Enhanced hostname-based group management feature:
  - o 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.
  - o Battery Charge Status
  - o Battery Remaining Capacity
  - o Average Battery
  - o Power Saver
  - o 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:
  - o Single step quick connection for forward VNC
  - o Password/port/ip masking in the VNC URL.

- o Updated to latest html viewer and improved reliability of VNC connection.
- Configuration Setup:
  - o Performance counter, Installation information & server configuration widgets are added over main page (About FUDM).
  - o Added Tree View in General Configuration, to Show or hide the Device tree View on Terminal Manager.
  - o Enhanced Agent auto upgrade module with Start date and end date including time to upgrade the agent automatically.
  - o In User Management added Deactivate and Delete button for multiple users from the list.
  - o Added a new category by type Warranty Expiry Report in Mailer Engine Configuration.
  - o Replaced Sync files button with icon in action column of connection over repository.
  - o Added Export and Import connection functionality in Repository.
  - o Validate connection button added in connection tab of repository to validate the repository connection.
- Template Management
  - o Task Schedule type functionality is added over Template Manager to apply multiple task Immediate or Sequential/Dependency,
  - o Implemented Template dependency in apply template.
  - o Relocated Group and Computer name options in Template clients of Send Task.

➤ Enhancement made for Windows Management Modules

- 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

➤ 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.
- Imprivata Global module added in Connection Management.
- 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.

➢ Bug Fixes: -
- Windows OS:
  - Wake-on-LAN doesn't work in template.

Updates in Previous release

❖ V2.0 Build 5.3.005

➢ General Enhancements
- Architecture:
  - Added Unicode / Multilingual implementation in the based product.
  - Fusion 5.3.000 requires Microsoft .net Framework version 4.5.2 and above.
- Session management: Enhancement done in Application Session Timeout by default is 24 hours from the time of login. By using Server Configuration Management utility, user can change the time limit.
- Performance:
  - Overall performance improvement in application response time for login and other main modules/views.
  - Overall improvement in real time response or updates, communication in the server console application.
- Reports:
  - Analysis report (Model, manufacturer, OS, User and Software) added over Custom Configuration report.
  - Added provision to create a duplicate report in custom config report.
- Context Menu: Options enhanced in Context menu are listed below.
  - A provision added to Import multiple groups with Sub-Groups of IP Range details through CSV file.
  - In case the device is applicable to change IP request from the current device then the device automatically relocates in accordance with a new group including Group Inheritance and Template.
  - After importing of CSV file, the device will relocate in accordance with group/sub-group state its IP Range fits the group's IP Range criteria.
  - Allow the user to create IP Range sub-group or Subnet sub-group in Custom group

- o Allows the user to drag-drop IP Range and Subnet sub-groups inside Custom group.
- Added options for Color themes and positioning of menus in the layout configuration of device manager.
- Miscellaneous Enhancements:
  - o Enhanced subnet-based group management feature: In case of subnet-based grouping if IP changes, the device gets relocated to corresponding subnet group and a growl message is displayed for "IP Based Device Automatic Relocation". This behavior is configurable using general config. Alerts are also generated on automatic relocation of devices and can be configured for auto email alert using Mailer engine.
  - o 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.
  - o Server Configuration Manager Utility can accept log in using domain user.
  - o 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.
  - o Implemented Device Initiated Request to notify the user to Register.
  - o Group Inheritance task after deploy image is now configurable via enable group inheritance after deploy image option available in general configuration.
- ➢ Enhancement made for Task Management
  - Added Color Indications for status in Task Activity Monitoring. To know about color indications Legend Info Icon is added over the pane.
  - Added feature to add custom message in template via template manager in Windows.
  - Added Columns (Write filter status, Device Status & Agent Version) in device list of template Manager.
  - Implemented "User Reset Password" module in Task Management View supported on Fusion Agent version 5.3.000 and above.
  - Enhancement made in the working of Template management.
- ➢ Enhancements made for Windows Management Modules: -
  - Added provision to flag installed application as Black list / White list via restriction policy made available in application setting in Configuration setup module.
  - Implemented automatic update of registration status of devices in register activity widget of discovery view.
  - GUI enhancement done for Software Restriction module in terminal and task manager.
  - 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.

❖ V2.0 Build 5.2.005

 ➢ General Enhancement: -

 • Correction done for UK Keyboard Locale ID in application.

❖ v2.0 Build 5.2.003

 ➢ General Enhancement: -

 • Enhanced the feature of add group / subgroup by importing through .csv file.
 • Creation of subgroups of type IP-range and Subnet now permitted under the "CUSTOM" parent group.
 • Allowed Drag and Drop of Subnet and Ip range Group into Custom Group.

❖ 5.2.002

 ➢ General Enhancement: -

 • Performance improvement done for Device Manager view.
 • Included the hot fixes done for device online/offline status.
 • Enhanced the Server Configuration tool to enable or disable the Glimpse and Elmah logs.

❖ 5.2.001

 ➢ Enhancements made for Windows

 • Integrated new Windows Agent v2-5.2.001 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.

❖ 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.

- Obtain Registry module is added in Registry Backup Restore.
- Teradici PCoIP protocol connection config support for Windows IoT.
- Added L480 M-type (20LS,20LT) support in the FUSION UDM PRE for Windows and GIO6.
- 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).
- Inheritance Enhancement done (File Upload modules now supported in group inheritance.)
- 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
    o Status of Disable Client is displayed OFF in Device List View.
    o File Transfer task with batch execution remains in process.
    o Form gets blank when clicked on Return button while editing default Firewall exceptions.
  - GiO6 OS:
    o In ICA Global Settings, some settings are not getting reflected on Device.
    o In user interface default blank value gets loaded on group.

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

  - ➤ General Enhancements
    - State save implemented in the device list view.
    - Tool buttons added for remote control operations.
    - Refresh button provided for task status updated.
    - Added feature to search and export the applied task details in task activity monitoring.
    - Added feature to change VNC password for both Windows and GiO6 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 message at a time.
- Added Server Configuration Manager Utility having provision to manage various miscellaneous features.

➢ 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.
  - Installer will get converted to unlimited days (perpetual) only when we add perpetual key for Professional license type.

➢ Enhancements made in Custom Config Report
  - Added feature to filter devices based on their service status.
  - Added feature to monitor auto e-mail status of configured reports.
  - Enhancement done in the filter condition based on selected criteria to be filtered.
  - Multiple value supported in filter sub condition criteria.

➢ Enhancements made in Report
  - 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
  - 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 Windows
  - Added Blast protocol and related configuration settings in the VMware View Connection in connection management.
  - Added VMView global setting in the connection management.

➢ Enhancements made for GiO6
  - 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.
  - 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.
- Configurable Linux system log.
- 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.
- 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.

- Bugfixes
    - Windows OS:
        - Patch View and System View widget shows incorrect data.
    - GiO6 OS:
        - SSH & Telnet Connection task doesn't get applied through Inheritance and Clone Deploy properties.
        - Host setting task fails with reason 'Host already present' when applied through Deploy Properties.
        - Application task for Cron Tab module fails when applied through Template but setting gets reflected on client device.
        - IP Address & URL's task doesn't get applied when applied through Deploy Properties.
        - Date Time task remains in process when applied through template.
        - Delete task doesn't get applied for Crontab Module.
        - Computer Name doesn't get set on device when applied through Template.

- Customer Reported Bugfixes
    - Unable to perform Agent Upgrade on all selected devices through device list view.
    - Server & Agent version display format not unique in Configuration.
    - In Custom config report
    - Daily format same date validation not present.
    - No prompt of schedule getting expired.
    - Custom Config mail not getting schedule.
    - Count of missing updates does not tally on Missing Windows Update widget and Windows Updates menu.
    - Authentication » tasks (timeout for users) in template are not deployed and timed out.
    - When Launching FUSION UDM PRO, language is set to French even if it displays ENG on login page… It can be bypass by first selecting FRA, then ENG on the login page.
    - Shutdown Procedure menu does not display actual setting of the device.
    - Changing password through FUSION UDM PRO is not working: on device, password is unchanged, even after rebooting it.
    - In FUSION UDM PRO, but I cannot select previously uploaded on FTP iptables file afterward.

- FUSION UDM PRO Service unavailable.
- Devices are listed as on, which are not on.
- Default Templates applied to group still lists the template even after completely deleting the template with template manager.
- Template Manager with FUSION UDM PRO Dual Display Settings for Linux, the max resolution to configure for the second display is 1024x768.
- On deleting subgroup, server goes into loading.
- It shows Invalid Date in the Pending Task Activity Details on Terminal Manager.

❖ 4.9.000

➢ General Enhancements
- 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.
- Applied policies tab added in System Information tab for Node selection.
- Optimized and implemented missing patch details according to OS Details in Windows Update Report.
- Added Release date column in Windows Update Report which can be configured via Patch Management Settings in Configuration Setup.

➢ Enhancements made for GIO6 OS
- "Exit on Disconnect" option added in VM-View connection.
- "HDX over UDP" option added in PNAgent Global Settings.
- Added Bios configuration option in Software Deployment module to change Bios password, boot order & restore default configuration.

❖ 4.8.000

➢ General Enhancements
- 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.
- 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.
- Added new and enhanced User Management module in Configuration Setup.
- In Template Manager Create Task button renamed to Send Task.
- Custom Config Report added in Reports and Audit Logs
- When a user is deleted, the ownership of templates created by that user gets passed on to Admin User and is displayed to all the user.
- Confirmation dialogue box added on performing delete operation on the server.
- Registration Activity Details widget added in Register Tab of the Discovery View.

- User Activity Logs Tab added in System Information.
- Navigation Audit Report added in Reports and Audit Logs.
- Is Debugging option added in General Configuration.
- Added feature, Group can be created by providing the Host Name pattern and device's Host Name that match with the defined criteria will get moved in that group.
- Password fields on the server can accept special characters and their various combination as the input.
- In Add Filter option of Device List View, 'Is Global' option implemented which allows user to view and apply the filters created by other users.
- User can set time interval for automatic task of patch and inventory synchronization through Periodic Patch Synchronization and Periodic Inventory Synchronization in General Configuration.
- Apply Template, Patch Sync and Unregister Device options added in Context Menu for Tree view & Device list view.
- Device List view menu clubbed according to two types Remote Operation and Settings.
- Character limit for the domain name is increased up to 100 characters.
- Added Response Time, Response Duration and Execution Duration column in all location of Task activity monitoring.
- Permanently removed the System Dashboard menu from RHS Menu

➢ Enhancements made in UI
  - Seamless UI improvements made in server.
  - Graphical representation of widgets on Device Manager Dashboard.
  - Added sliding effect on mouse over in RHS menu for all views.
  - List of modules in RHS menu is sorted alphabetically.

➢ Enhancements done in Server Installer
  - Enabled Remote Installation using Windows Authentication.
  - Option added to browse & apply SSL certificate issued by public ca.
  - Added option to edit/change default port no for Http/Https.
  - Installation of Server using FQDN is now also supported for HTTP.
  - Installation of server now supported in custom path Program Files (x86) folder.

➢ Windows Enhancements
  - Enhanced User Management module added Reset Password functionality.
  - Provision of repository integration for Import File module.
  - Write Filter status widget added in dashboard where user can Enable/Disable write filter or Generate write filter reports for multiple devices.
  - UWF Exclusion List Module added in Write Filter Operations.
  - Missing Windows Update widget added in Dashboard for Software Deployment View and Reports & Audit Logs view to facilitate user to install the missing patches.

➢ Enhancements made for GIO6 OS

- New Modules added
  - Mouse Settings module added in System Settings in Device and Template Manager.
  - Crontab module added in System Setting in Device and Template Manager.
  - Firewall Configurator and XHost module added in Network Settings in Device and Template Manager.
  - Telnet Connection & REXEC Connection added in Connection Management.
  - SSH Connection added in Connection Management in Device and Template Manager.
  - X11 Broker form added in X11 connection for Connection Management module.

- General Enhancement in modules
  - Computer name
    - Computer Name module enhanced, added options like 'Use Bios Asset Tag', 'DHCP-by Device', 'Device Auto Generate' and 'Server' for Hostname By dropdown.
    - Checkbox for "Change domain/Workgroup settings" removed from Computer Name module.
  - Screensaver Settings
    - Timeout is set to 5 mins and Slideshow interval is set to 1 Sec by default in Screen Saver Settings
    - Path option enabled for Advanced option for Screen Saver module.
  - Services
    - Cisco-VXME, fcron, PulseAudio services added in Service Module.
    - Settings button is available for PulseAudio.
  - Authentication
    - Linux Authentication: Added Idle Timeout & Action on Idle Timeout User wise for Admin, Installer, My User, ADS and LDAP.
    - Added check box in the authentication module to set idle timeout functionality for each user separately.
    - "Sync Admin and root password" check box added in Admin Authentication.
    - Dropdown box of "On 5 wrong password attempts" added in Admin Authentication.
    - IP Address and Base field added in LDAP form in Authentication Module
    - Added Imprivata user support with 'Set default user' checkbox value by default enabled.

- Connection Management
  - Option tab added in following connection type Browser, Free RDP, RDP, ICA, VM Ware Connection.
  - Mapping Drive checkbox added for Local Storage in RDP & FreeRDP Connections.
  - Display and Local Resources tab added when RDWeb is checked in FREERDP connection.
  - Default value is set to Fullscreen in X11 Connection in Device Manager.
  - ICA Connection: - Added a new Check-Box of "Seamless" under Login tab.
  - Added colon functionality in Server location field in ICA Global settings.
  - VMView Global Settings: - Added a Check-Box "Ctrl+Alt+Del pass-through" Under Misc tab. It is Unchecked by default.
  - VMView Connection
    - 'Log in anonymously' checkbox added in General tab

- o 'No Menu Bar' checkbox moved to Display tab.
  - o 'Standard Login Window' checkbox added in General Tab
- FreeRDP Connection
  - o 'ClearType' checkbox added under Experience Tab.
  - o 'Allow Dual Display' option removed from Display Tab.
  - o Mandatory Validation removed for Username, Password and Domain field for Rdweb connection.
  - o Added a Combo-Box "Accel" with Options as "Disable, Software, and Hardware" Under Display tab.
  - o Added a Check-Box "Persistent Bitmap Caching" Under Advanced->Experience tab. It is checked by default.

➢ Other General Enhancement
- Added Cloud Desktop Licensing support in FUDM.
- Auto Sync Inventory when Patch is installed on GIO 6.
- Agent auto upgrade now supported for GIO 6 Devices.
- Agent Upgrade option added in Device List View and Tree View Context Menu.
- On Restore Factory, Inheritance and Default Template task will get triggered on the devices provided Restore Factory Inheritance Settings is enabled in Configuration Setup view.
- FTP Repository now supported for Firmware Upgrade through FUDM.
- User cannot apply 'Enable/Disable Agent' settings from Remote Agent Settings through Task Manager. The check box is greyed out.
- Wireless Properties-802.1x security checkbox added
- Added 802.1 x security with Wireless and Ethernet Network type.
- Now 802.1x configuration support for hidden SSID from FUDM.
- CSR & SCEP Form enhanced and unified in Certificate Manager.
- "Enable SMB Drive" and "Enable NFS Drive" checkbox unchecked by default in Storage Module.
- Serial Port renamed as Port Settings in User Access module.
- Uninstall and Properties checkbox removed from Applications in User Access Module
- In Custom Script added drop down value "Execute Now".
- Display module enhanced, Added Set primary feature in Dual display option.

➢ Bug Fixes:
- ▪ Windows OS
  - o AutoStart not working for VMWare view on Windows device is not working

- ▪ GIO6 OS
  - o For Linux devices in FreeRDP Connection, If RDWEB checked task remains in process
  - o For Linux devices in FreeRDP Connection, From Import csv task remains in process
  - o GiO6 agent applet shows off (red sign) but on server it shows ON.
  - o For Linux devices in PNAgent device rule
  - o 1. Apply button gets hide if move to "Other" tab and revisit to Device rule

- o   2. Cannot apply both Device rule and Custom Device Id task together as Apply button gets hide
- o   For Linux devices in VMVIEW connection-Display -not getting set on device
- o   For Linux devices on group selection if we keep SNMPD checkbox checked, still false value is reflected on client
- o   For Linux devices Background Settings Task gets failed with reason "File is Invalid, or server is not available" when uploaded file from default HTTP repository.

❖   4.1.000

➢   General Enhancements
- Added display of release notifications for new version releases of FUDM Server, Agents, security and update patch for WES/Win 10 IoT OS.
- Added confirmation popup for all modules in Terminal Manager to caution FUDM administrator users before applying settings to multiple devices in Group and Site. The display of confirmation popup is configurable from Global Configurations Menu.
- Enhancement done in validation checks for VNC Notification in case VNC is already accessed by another user and End-point connection is lost.
- Added user rights for to control access for operations of multiple task apply, Group task apply, Node Drag-Drop & Group Drag-Drop. These can be restricted for a Fusion console user.
- Added Auto sync in repository connections to update the list of existing files on the server in repository module.
- Added Context Menu option in tree view & device list view to create upgrade task for FUDM Agent.
- New modules added in Device List View Context Menu.
  - o   Remote Agent Settings, File Transfer, Software & Patch Install, Upgrade Agent.
- Connection validation feature extended for CIFS Connection type.
- Added System View and Patch View dashboard widgets for WES & Windows 10 IoT OS for monitoring patch management status. This feature is configurable from patch management settings present in general configuration.
- User to group association made granular, allowed multiple groups to a user and included it in user role.
- The default SSL certificate (local ca signed) is updated to use SHA-2(Sha 256).
- Made changes in FUDM console user session management. Enabled multisession per user, removed session expiry handling upon browser close event.
- Added customized error page in event of database connection issue.
- Link to display task function details is added in terminal manager for execute later tasks.

➢   Enhancements made in configurations support for Windows OS
- Username and Password fields added for domain settings in computer name module.
- In Deploy Certificate module added 2 parameters:
  - o   Dropdown list with predefined Store Names
  - o   Provision to enter customized Store Name with Other option.

- Added reports named as Windows update to identify missing and installed patches on WES and Windows 10 IoT devices.
- New configuration modules added in Task Manager view for Computer Name, Remote Agent- General Settings, File Transfer and Firewall settings.
- Advanced power options are now enabled and can be applied on groups from Terminal Manager.
- Added support for Power Management Settings in Inheritance, Clone & Deploy properties.
- Trial license is updated from 90 days to unlimited days for 10 devices.
- Import function is added on site context menu to allow import using .CSV file for automating group creation by Subnet Mask/Subnets.
- Optimization done in heartbeat web service implementation to improve web services performance & increase the scalability of no of devices that can be handled for a given server hardware configuration.
- Computer Name management module added in Task management view.
- Connection manager related enhancements:
  - Special Characters permitted in the connection name except for (/\: *?"<>|$~&).
  - RDP resolution options are updated.
  - Added Connection rename functionality.
  - Import functionality added to automate connection creation by importing from CSV files.
- Windows Updates information is added in Reports & Widgets and added global configurations for the same.
- Task templates can be overridden with same template name.
- In context menu for apply template, option added to enable / disable deployment of templates on nodes and groups.
- Added enhanced Browser History logs in Monitoring reports. (Logs of following browser Firefox, Chrome, Internet Explorer, Safari can now be monitored).

➢ Enhancements made in configurations support for GIO6 OS
  - Self Service and Single Sign on Options are added in PNAgent connection configuration.
  - Remote Agent Module added in Terminal Manager and Task Management.
  - Remote Agent & Power Management Settings added in Inheritance, Clone & Deploy properties.
  - Enhanced Certificate Manager Module to support import of PFX certificate.
  - New configuration modules added in Terminal Manager and Task Management views.
    - Wireless Setup, Wireless Properties, 802.1x Security, DNS & Gateway Settings, Import Export settings, User Access settings.
  - New features added in connection manager
    - Import functionality added to import connection through CSV file.
    - New connections added in Connection Management.
    - X11, 2x Client, REXEC, VPN
  - Added new modules in Inheritance, Clone & Deploy properties.
    - Modules: Wireless Setup, Wireless Properties, 802.1x Security, DNS & Gateway settings, Import Export settings, User Access settings
    - Connections: X11, 2x Client, REXEC, VPN

- Linux Certificate Manager Module Enhancement
  - Functionality added to upload multiple certificates and keys through New Upload and Repository source.
- Added Import / Export setting module under Upgrade Management.
- Enhancement done in User Interface module
  - Added Organizational unit text box under Computer Name setting module.
  - Computer Name and Domain setting now displayed in different submenu tab.
- Authentication Module: Dropdown option ADS is enabled only after devices get enrolled to domain.

➢ 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.
- Added Template History" to view audit logs of Template creation and modifications.
- Saved recurring tasks are now being displayed in separate "Recurring Task Details" submodule.

➢ UI Enhancement
- New horizontal menu style implemented for all modules.
- Unwanted panel removed from modules and even changed look & feel for the same.
- Colons removed from all modules.

➢ Bug Fixes
- For connections shortcut key removal settings task fails but getting effective on GIO 6 device.
- Shortcut keys task gets succeeded for connections which are not present on GIO 6 devices.
- In USB device manager, Custom Device ID button does not work from task manager view.
- GIO 6 date time module in case of improper date and time format, on applying task through group on GIO 6 devices shows "String was not recognized as a valid Date Time" error.
- The following task shows Failed on server but gets reflect on device: -
  - Firmware Upgrade
  - Shortcut Keys
  - Monitor Power Setting
  - Keys under Certificate Manager
- RDWeb option under FreeRDP Connection does not work from Task Manager.
- Issues related to Clone / Deploy Property
  - Display setting task will remain in 'In Process' state.
  - After deploying properties on blank group following settings are not reflecting in Group OS Profile
    - Authentication

- SMB Storage
- NFS Storage
- CDROM Setting
- PNAgent Global Setting
  - Scrollbar missing for the Windows Update report in case of large records.
  - Most of Mantis issue are resolved and the status is updated on Mantis portal.

❖ 3.8.000

➢ User Interface Enhancements
- All user interface forms & elements are modified to provide sleek look and feel.
- Horizontal menus implemented for group information and system information sub modules.
- Implemented toggle option to show/hide Pending Task Activity panel on device manager.
- The LHS tree view panel is now set to auto size by default.
- Improved the module loading process and corresponding progress bar.
- UI improvements made in domain user addition submodule.
- Data table sort icon changed to provide a more relevant look.

➢ Enhancements in Device Manager View
- Added Task management submodule in Device manager for node and group elements.
- Added Refresh and logout function on the header bar of device manager.

➢ Enhancements in Task Manager View
- New modules for Windows OS settings added in task management view. These include Network Settings, Power Management, User Interface Settings, Service Management, Performance Management, Remote Agent, File System & Applications
- Added option to show/ hide closed tasks in Task Activity Monitoring.
- Improved the task management behavior to avoid multiple reboots for every task.
- Improved FBWF exclusion behavior to avoid reboot per exclusion path.
- Recurring task configuration is enhanced and enabled in Task Manager Module. List of recurring tasks are displayed and option to unset/delete recurring task is available.

➢ Improvements in RDP Connection management for Windows OS
- Domain & username is now retained.
- Auto logon and Prompt for password settings workflow is improved.
- All RDP parameter options are updated and matched with options available in RDP client for Windows OS.
- Added new option to 'Use all my monitor for remote session' in display tab of the RDP Connection.
- Modified default values of RDP connection.
  - "Connect & don't warn" option is set to enabled by default
  - "Use All Monitors" option is set to enabled by default

- o Color depth is set to "High Color (16 bit)" option by default.
- o All Local Resources option for Drives, Printers, Clipboard & Smart Cards is set to disabled by default.
- o Default value of bitmap cache is now set to disabled by default.
- RDP connection task details in task manager lists all values including for 'Enable all displays setting'.
- RDP connection & parameter related issues are resolved.

➤ Enhancements in User Management module of Configuration view
- Improved the performance for time taken to get user list from ADS.
- Implemented option to select/add Domain User Groups to be permitted for logon authenticate for all users belonging to the user group.
- Removed the need to revalidate the domain while adding the selected users.
- Added an attribute named 'Type' to differentiate between user and domain user.
- Improvements and enhancements done in Windows OS configuration modules
- Implemented feature for auto registration of end point devices. This feature is configurable to enable/disable using general settings
- Added apply profile option in context menu to apply the profile manually to node/group.
- Added & enhanced the communication logs & audit log reports.
- Deploy properties task can now be set for group inheritance for both Windows OS & GIO6 Linux OS.
- Implemented task manager sub module in device manager to manage and apply multiple tasks.
- Resolved FTP connection issues for NAS box & Linux OS based FTP servers.
- Group profile setting are also saved with 'Execute Later' option. The behavior is configurable and can be set using general configuration submodule.
- All log options are now configurable in general configuration to enable/disable.
- Separated the task for the FBWF Cache Size module.
- Added function to display all values of applied tasks.
- License expiry message will be displayed upon expiry & License expiry alert will be displayed on Login page prior to 5 days before expiry.

➤ GIO6 Linux:

- Enhancements in Connection Management
- Added provision to create new connection with duplicate properties from existing connection of GIO6 Linux OS.
- VMView connection enhancements
  - o Added "All Monitors" option in resolution dropdown.
  - o For RDP protocol added settings for dual display, microphone, enable clipboard, local storage.
  - o Enabled mapping tab for BLAST and PCOIP protocol.
- For VMView Global Settings
  - o Resolved issue in preferences change only when cache size is kept 10.
  - o Preferences and Cache size now moved into MISC tab.

- FREE RDP
    - Resolved issue on selecting Remote Gateway Option-Domain Name is Showing mandatory, but no validation message present when applied by keeping field blank.
    - Added Single sign on and Enable Smart card features.

➢ Miscellaneous features for GIO6 OS management
- Implemented Shortcut Key Module in Device Manager for GIO 6.
- Added configuration settings for System Tray Properties and Start Menu Properties in user interface settings module for the both modes (Appliance as well as Desktop).
- In the Authentication module added new type of user account named as "Installer".
- User Access - Added Dropdown List to set access according to the type of account selected by the user.
- Clone and Deploy properties functionality improved and enhanced for GIO 6 Linux devices.
- Improvised and enhanced Group inheritance and System/Group profile functionality for GIO 6 Linux devices.
- Added field to specify Domain name in printer module for the mechanism type as "Network Samba".
- All characters, numbers and special characters are now accepted in password field for Authentication module.
- Certificate Manager- Import certificate of NetScaler/Citrix server is fixed.

❖ 3.7.000
➢ User Interface Enhancements
- All user interface forms & elements are modified to provide sleek look and feel.
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- ➢ GIO6 Linux

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- All characters, numbers and special characters are now accepted in password field for Authentication module.
- Certificate Manager- Import certificate of NetScaler/Citrix server is fixed.

❖ 2.8.000

➢ Improvements and Fixes
- Implemented group structure in task manager modules.
- UI improvements in style and style consistency, Slim Scroll bar added.
- Added support for MS Windows desktop OS clone and deploy with protocol FTP, CIFS, HTTP, HTTPS, FTPS.
- Group management related improvements:
- ADS Synchronization implemented for Group associated with ADS.
- Option for remote installation of Fusion database on SQL Server is implemented, Fusion UDM installation guide has been updated with corresponding notes.
- German MUI String updated as per David Malomo mail.

➢ Discovery
- Added Delete button to remove the Agent initiated request.
- Display of the Agent version after push agent functionality.
- Resolved and issue due to stray record during manual registration process.
- Implemented different colour code to distinguish Agent initiated and Server Initiated Devices.
- In registration tab provided drop down option to view all records including agent as well as server-initiated device list.

❖ 2.3.000

➢ Improvements and Fixes
- Login page now includes validation and detection of browser security level and JavaScript execution permission
- UI style change and improvements (RHS Menu, Tree view, Top Bar menu, Popup Menu, Panel, Legends, Data tables, Header colour scheme)
- UI structure and style consistency implemented for Device manager, Task manager & Report & Audit Logs modules
- Device and Group information module look and feel improvements
- Header remains constant upon scrolling for all configuration applets in Device Manager and Task manager modules.
- Execute later option on context menus is implemented and enabled in the device list view.

❖ 2.2.000

➢ General Enhancements
- Added New Repository connection - CIFS
- Alpine Imaging configuration support for FTPS/CIFS protocols
- Filter implementation in reports (user wise)
- Device manager search filter are now saved user wise
- New Login UI For Premium
- Addition of Domain Groups on selection basis in group management for ADS group
- Centering of Dialogs
- Issues resolved Mantis serial nos: 1,12,13,15,17,28,29,34,44,49,50.
- Miscellaneous additions:
  - o Header Panels added in Repots and Logs View,
  - o Header Panels added on all Popups

Note: Data table Column Resize is Disabled in Discovery View.

❖ 2.1.487

➤ Discovery Issues fixes and Improvements
- Display of registration validation and failure is now corrected.
- Approval process merged with single click registration.
- Display of manual registration requests are now separated with a drop-down option in registration sub module,
- Information fields in registration details table are now optimised to keep the intelligent data always visible in standard display resolution.
- In case of registration failure, system will reattempt once.
- Fusion API
  - Can get software and Hardware Inventory data with compliance & Windows updates information for given MAC ID.
  - Generation of Security key with limited time validity
  - Audit logs report of query activity is implemented
- New UI implementation in Device Manager and Task Manager Views.
- Multilingual support for French, German, Spanish, Chinese and Korean language.
- VNC Notification enable for all users.
- VNC session audit logs now implemented.
- Alpine image support for Clone and Deploy image.
- CIFS, HTTP, HTTPS protocol support in repository manager for imaging.
- Support to manage Built in users like local administrator / guest etc.

➤ Trello Issues fixed

- Session expired has come back.
- UI: Was playing around with Task Management and noticed that the display of information under System Settings>Memory Management>RAM Disk Settings - most of the data tables are wrong.
- UI Erratic screen action, when screen is minimised.
- Fusion Pro: S1 Signal Send message when registering device on fusion server with the same FQDN.
- Discovery screen. Device has been approved yet cannot register and stays greyed out. If i refresh the browser the device is registered.
- Showing devices listed 192, yet LAN search was from 172
- UI: Logon error handling - Invalid username or password message does not need exclamations.
- UI: What version schema does FUDM use?
- UI: User Roles - header field check boxes not aligned with column contents.
- 452 Logon Localization - Only English is capitalized.

❖ 2.1-452

- User interface: New UI framework, UI Skin Improvements.

- Monitoring and maintenance module with support for monitoring of Registry, File system, Custom scripts, Services and System temperature events.
- Multilingual user interface for French, German, Spanish, Korean & Simplified Chinese Languages including support for corresponding Windows 2012 R2, SQL server editions.

➤ Features added for GIO6 Linux OS management
- Custom Script: Pre-& post launch connection & application.
- Services settings: Added SAMBA settings and extra setting X11 VNC.
- System Logs: Connection and configuration logs are now available.

➤ Android OS management improvements
- Added Peripheral settings to Enable/Disable WIFI, GPS, and Bluetooth.
- Remote Lock feature added including reset and configuration of new password.
- Updated remaining module data for group Information and system profile.
- Miscellaneous issues fixed, and data validations are improved

➤ Other / Miscellaneous points
- Selection of OU groups added for ADS group creation.
- Auto join of devices in respective ADS groups is now supported.
- Configuration to set group priority added for Domain group.
- Added feature for Proxy settings automatic configuration function in Browser configuration.
- Character length for FreeRDP, RDP, Browser connection name will allow up to 256 characters

❖ 2.1-414

➤ Fixes for priority issues listed on Trello board
- UI When shrinking screen size and refreshing page, the page is retained at that size, even when restore to full.
- Column adjustment needs improving to how EXCEL or Competitor software works
- UI Creating users for fusion, add AD group members in a whole instead of individual users.
- Added "Software deployment" in Task management.
- Clone properties give an option to save .xml
- Selecting external FTP repository should automatically popular list of files stored, not have to upload them each time in Fusion
- UI: When moving clients into groups within groups (see attached image) needs to easier to apply to avoid confusion for the administrator
- Importing domain group pulls in the whole domain, there is no control to select what you wish to import and select multiple domains- Partial fix.

➤ Group management improvements

- From Device manager tree view allow user to delete even though client or group present under that group.
- When user drag drop group/ client to another group, both groups view remains expandable.
- Group Inheritance applicable for group.
- A main group for ADS with domain name is automatically created and groups found in ADS are added as child groups to the main group.
- Progress indicator provided during ADS groups.

➢ Discovery module enhancements
- Approve functionality included: where user has to approve the clients before it can be registered.
- Remove/Unregister function is now implemented: Unregistered functionality where user can select registered client and unregistered same.

➢ New Modules added for Linux
- Language selection settings
- PNAgent Global Settings
- VmView Global settings

➢ Improvements and additions for Android OS management
- SSL certificate download is automated during registration process
- Added Data wipe policy settings
- Added Certificate manager module
- Fixed several issues related to android modules
- Agent applet is enhanced to include additional settings, task logs, password protected setup, status information, Notifications.
- List of installed certificates added in system information

➢ Other major improvements
- Enhancements for MUI
- Inclusion of latest responsive UI framework

➢ Miscellaneous improvements
- Multiple ADS users can be added based upon selection
- Added confirmation message for Logout process.
- Context menu on data table auto exit improvements
- The device manager splitter dragging is now limited to 50% of the total form width
- Description is included for file uploaded to repository

➢ Modules Relocated
- Administration: Application & Command
- Security: Software Restriction
- Software Deployment: Software & Patch Install/ uninstall.

- ➢ Changes in User Manual
  - Device Manager Windows
    - o Application & Command
    - o Environment Variable
    - o Software Restriction
    - o Software Patch Install/ Uninstall
  - Discovery
    - o Repository
    - o Patch Vulnerable reports
  - Task Manager Windows
    - o Application & Command
    - o Environment Variable
    - o Software Restriction
    - o Software Patch Install/ Uninstall
  - Patch Installation for professional

  - Device Manager LINUX
    - o Language
    - o PNAgent Global Settings
    - o VMView Global Settings
    - o Task Manager-   Language

- ❖ 2.1-393

- ➢ Fixes for Trello Issues
  - Admin user allows to change password without asking for OLD PASSWORD
  - User name is displayed in the title bar for which password is changed.
  - UI: Unable to determine what the default timeout value is for logged in users: Add note in User Guide.
  - Critical UI Issue - Password Change Forced
  - User guide: How to do patch management on Fusion Pro - only needs to add in the user guide
  - Reports: Patch summary/vulnerable report does not show date of patch(s) you have installed.
  - UI When shrinking screen size and refreshing page, the page is retained at that size, even when restore to full.
  - Adding multiple files to be added to the repository.
  - UI: Advance filter from device manager. Requires character length to be consistent throughout Fusion.
  - UI: Certain tasks NOT all showing 'in process' cannot be individually cancelled' the only way is to 'cancel all'
  - Use of keyboard in FUDM... The focus on buttons is now prominent.
  - Column adjustment needs improving to how EXCEL or Competitor software works: This has been improved in Device manager view only
  - Serial No of System information not getting in Synchronizes inventory issue resolved.

- System Uptime is now available for Windows Agents.

❖ 2.1-385

- ➢ Fixes for Trello Issues
  - UI: Online/Offline Errors
  - UI: Use of Customer to define company info doesn't really work
  - FDM: Subgroups cannot be moved from one Group to another
  - Refresh button added for User management, Reports and Logs.
  - Issue resolved related to login not working for all users after group management operation.
  - Registration failed instantly because of ping
  - FUSIONMS didn't resolve in case of HTTP communication option
  - Browser showing alert messages with text 'error'.
  - Clone and deploy properties for GIO6 Linux is available.
  - Growl notification to users for operations for group add/edit are done by any admin user.
  - UWF management is now available

    - ○

❖ 2.1-376
  - Issue resolved related Report and Audit logs.
  - Discovery issue Solved.

❖ Previous Release
  - Add new report "Unauthorized Client Report" under Compliance Reports
  - Device Selection across the Group.
  - Implemented Sub Group Drag drop.
  - ADS OU addition in group.
  - Fonts Changed.
  - FUDM Server Licensing part 1.
  - Agentless Discovery option is now enabled
  - New Font Icon set implemented
  - Further size optimization of Device manager page
  - Group association settings are now consolidated in add/edit group and are always editable
  - Environment Variables creation
  - Group Information page.

List of Standard Features

- ➢ Agent based device discovery

- Server initiated device discovery in LAN using TCP by IP range & Subnet Range, using UDP Broadcast, option to transfer SSL certificate.
- Auto discovery by DNS name, by DHCP scope option, by manual input
- Enrollment/Registration of devices

➤ Group management
  - Device organization using nested levels tree view & list view with Drag and drop, context menu operations, View devices by IP Address, MAC or host Name.
  - Create/Edit/Delete Static groups, associate by Subnet and IP Address Range.
  - Static group configuration settings for group inheritance, zero configuration support for auto host name generation and auto domain join features.
  - Differentiation of devices by OS type (Windows / Linux/ Android OS) and hardware type (Desktop, Notebook, Thin client & Tablet)
  - Device status information.

➤ Device Management
  - Device Information including current device settings, hardware details, list of installed software and updates
  - Remote configuration
    - Configuration of Ethernet & Wireless setting, Wireless security settings.
    - Peripheral setup including Keyboard, Mouse, Single or dual Display,
    - Printer settings, Date/Time settings, Memory& power management settings,
    - Connection Manager for Internet explorer, Microsoft RDP, Citrix Receiver, VMware view Clients.

➤ Remote Administration
  - User Configuration & management,
  - User interface settings,
  - Services & performance management,
  - FBWF and EWF Write filter settings (Windows OS only),
  - firewall & proxy settings,
  - Hardware I/O port lock settings, USB device management
  - Remote agent settings
  - Certificate management
  - System logs

➤ Remote control
  - Shutdown, restart, log off, workstation lock, Wake on Lan, Remove/Disable agent, text messaging, remote shadowing using VNC & RDP, Service mode operation, synchronize client settings.

➤ Software upgrade management
  - Cloning and deployment of properties & Images
  - Software installation and uninstallation
  - File/Folder Transfer and Execute

- Import File
- Remote application and remote command execution

➤ Task Management & Scheduling
- Task manager with master detail view for tasks under execution, scheduled tasks and status of executed tasks.
- Creation of tasks, grouping of tasks with linking and dependency, task sequencing, templates, task scheduling for later execution and recursion.
- Scheduling support for software configuration tasks, software updates, upgrades, patches & applications install/removal.
- Scheduling based on day, date, time, next reboot etc
- Task schedule auto expiry.

➤ Dashboard
- Dashboard view (with drilldown details) for site & group level.
- Widgets for Computer Status, Computers by Operating Systems, Alerts, Task status, Hardware Asset By Type, Computer By make And Model.

➤ Reports
- General Reports: Alerts Report, Write Filter Report, Schedule history report, Email Report, Task manager report.
- Status Reports: Device Status Report, Hard Disk Storage Status Report.
- Monitoring reports: Device monitoring and Application monitoring report
- Audit Logs: Boot Logs, Application Logs, Hardware Logs, Schedule logs, Idle State Logs, Screen Saver Logs, Software Detail Logs, Internet History Logs, Server Event Logs, user session logs.
- Compliance Reports: Unauthorized Client Report.

➤ General modules
- Fusion software user management & access control.
- ADS authentication support, HTTPS/SSL support for secure communications,
- Fusion software configuration modules, global settings,
- Scheduling engine,
- Mailer engine,
- Database backup and restore,
- Repository management using FTP/S & HTTP/S connections

Known Limitations

- Hardware information listing of multiple Audio and Graphics devices on a single end point is not supported.
- Windows Modules which are not included in Inheritance.

    o Services

- o Application
- o Command
- o Start-up Application List
- o Task Scheduler
- o Firewall
- o File transfer
- o Import File
- o Software & Patch install/Uninstall
- o Registry Backup Restore

- Windows Modules which are not included in Clone Deploy Properties.

  - o Services
  - o Application
  - o Command
  - o Start-up Application List
  - o Task Scheduler
  - o Firewall
  - o Import File
  - o Registry Backup Restore

Known Issues

- Custom executable connection not able to edit from group.
- HTML VNC is not supported using Firefox and Edge browser.
- Image clone and deploy is not supported over Wi-Fi network.
- Deployment of Windows 10 IOT image to WES 7 and Gio6 OS based devices is not supported.
- FUDM repository does not support upload and download functionality with FTPS protocol.
- If the group has, certain settings in inheritance as well as in template assigned to that group then execution of task misbehaves.
- VNC password bypassing in case of reverse VNC for Windows devices.
- VNC Notification Dropdown sometimes lags when clicked.
- In All Inheritance types > Wireless Setup > Task goes In Process status for wireless connected device as it takes Manual mode even though we applied as DHCP mode.
- Multiple Templates > In case of applying multiple templates on Gio6 devices the execution of the all tasks does not get completed successfully remains in process & Pending state.
- In All Inheritance Types > Background settings > Task gets failed with reason "File is invalid, or server is not available".
- Keyboard settings become ineffective if user locks the system or uses function key combination (Crtl+Alt+ Delete). To make it effective, user needs to re login or restart.
- Regional Settings not effective in the date time notification tray icon.

- Mouse setup double click speed setting changes effect intermittently
- Display frequency setting for Windows end points for option other than 60Hz is not effective.
- 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.

- Windows OS:

  - Tasks (i.e. Display & Network Printer) failed in logged off state are not getting succeed on user logon.
  - When applied in MUI Languages Wireless Properties task remains in pending state when applied through Template.
  - It is mandatory to upload/select a new or same wallpaper to/from repository to rollback preventive setting of wallpaper.

- Gio6 OS:
  Server Issues:

  - Device list view batch execution of file transfer/Software install does not work for Linux devices.
  - Option Tab remains disabled for the Free RDP, RDP, ICA and VM Ware Connections.

- Gio6 Agent Issues:

  - Firmware upgrade from RC3 to Latest Image will result into continuous flickering of Control Centre.
  - Administration > USB Device Manager > Class/Device rule and Custom Device Id's > On delete, task gets fail by reason, "Rule does not exist"
  - White list task remains in process for Firewall Configurator module
  - Bios Upgrade not supported through HTTPS and FTPS repositories.
  - Firmware Upgrade not supported through CIFS and FTPS repositories
  - In Firewall Configurator, some 'Firewall IP Table' task fails with reason 'File does not exist' and for IP Table incorrect entries are displayed.
  - Font names having space in names does not gets added on device
  - In deploy properties following modules (Font Management, Sound Management, Background Settings, USB Device Manager, Authentication, User Access, PNAgent Global Settings) not getting set on devices.
  - When applied Browser connection through template custom display does not get set on device.
  - SCEP module task getting failed.
  - Device Rule & Custom Device ID not get set on device when multiple task applied though template

- File transfer Task gets fail with reason "File path not present" for Cifs, Http and Https repository.
- For VMView Global & PNAgent Global when we add custom device id Two entries get added one with (#) sign.
- On applying Hostname setting and Domain/Workgroup settings in single template, then second task gets succeeded but Domain/Workgroup settings does not set on device.

Filenames in this Release

- LGE-FusionUDM-Pro-v2-5.4.000.msi

Special Instructions

- Microsoft .net Framework 4.8 is mandatory before going for Fusion upgrade or fresh installation.
- For Management Console the default login username is 'admin' and password is 'admin'
- Added Multilingual support in database so its highly recommend taking the database backup before doing the Fusion server upgrade.
- Added Multilingual (UTF 8) support in database so the server upgradation process will take longer time as compare to that of the previous upgrade process since conversion of ASCII to UTF 8 is done in the upgradation.
- Enabling/Disabling of Write filter operations are now not available in task management as enabling/disabling of write filter status is auto handled by agent.
- Installation and upgrade of Fusion Server is now depreciated on windows server 2008 OS, for real time communication framework require web socket protocol which is not present in server 2008 OS.
- 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.

Document References

- Refer to Fusion UDM Installation Guide for installation Instructions.
- Refer to Fusion UDM Pro Administrator User Guide for user instructions.