



Product Release Summary

LFM NetView 4.1.2.0

Release Date: 12/08/2016

This document outlines all changes made in the above release of LFM NetView software.

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Superseded software version: LFM NetView 4.1.0.3

LFM Software version numbers: X.X.X.X

First version field denotes general software series number.

Second version field is incremented to track major new feature implementation.

Third version field is incremented to track minor new feature implementation.

Final (fourth) version field is incremented to track error fixes.



Enhancements for this release: 4.1.2.0

Deployment & Configuration

- **Improved handling & reporting of errors within the wizard**

In previous versions of the configuration wizard it has sometimes been difficult to pin down a cause in the event of failure. Enhanced logging has been added in 4.1.2.0 so that the user is presented with a list of which steps succeeded and which failed. This should improve LFM Support's ability to assist in deployment issues.

- **Ability to save and resume from saved configurations**

In the event a deployment failed it was necessary to complete the wizard again from scratch. We have added the ability to save out the configuration and reload this to prepopulate the wizard. This feature can also be used to create "pre-rolled" configurations.

- **Full population of the LFM NetView Service configuration file removing the requirement to edit the config file in almost all cases**

There has previously been a requirement to manually alter the LFM NetView Service configuration file after completing deployment. This is no longer necessary.

- **Introduction of a self-contained configuration wizard for faster deployment and for those without external internet access**

For those whose IT policies prohibit access to the internet, the configuration wizard has been an unworkable option. In this version we have embedded the required resources into the configuration wizard itself which allows it to work without internet access. This may also assist in deployments where change management processes are in effect as the version remains fixed.

LFM NetView Client

- **Support for non-English languages - German & French**

LFM NetView 4.1.2.0 introduces support for German and French.

- **Support for Microsoft Edge (v25+)**

LFM NetView 4.1.2.0 has been fully tested with and approved for use in Microsoft Edge (versions 25 and above).

- **Ability to call up a higher resolution image for a region**

Customer feedback has been that in some cases the BubbleView within LFM NetView did not offer sufficient resolution to make out important detail, such as line numbers. LFM NetView 4.1.2.0 offers a "magnify" tool which allows for a selected region to be displayed at as-scanned resolution. This requires a project to be republished in order to function.

- **Display of demolitions in LFM NetView**

Where demolitions have been performed in LFM Server these are now shown in the BubbleView in LFM NetView.



- **Ability to enter short-name project location**

Entering the project name on the login screen has been unnecessarily long. For the majority of deployments it is now possible to enter the project filename only, e.g. where <https://nexus1.lfm-software.com/SampleProject/NetViewProjects/ProjectA/ProjectA.proj> was previously required it is only necessary to enter ProjectA.

LFM NetView Service

- **Improved stability**

A concern in previous versions has been stability of LFM NetView Service. We've worked hard on this component and have identified and eliminated a number of these causes. Combined with the LFM NetView Service monitor component we have observed zero service downtime during stress testing.

- **Improved the logging, including any service startup issues that previously we were unable to log**

The logging from within LFM NetView Service has been improved which should help diagnose any issues, should they occur. Additional logging has also been added during service startup and shutdown, which are directed to the Windows Error Reporting console.

LFM NetView Object Service

- **Improved ability to work with large object files**

LFM NetView 4.1 introduced full rendering of 3D objects, which was further enhanced in LFM NetView 4.1.1.0 However this struggled in terms of performance when the model file used was even of moderate size. We have put significant effort into improving performance in this area and are now able to cope with much larger object files than previous.

Client error fixes for this release: 4.1.2.0

Internal Reference	Description	Solution
B5382	'Modelled Object Visibility' and 'Modelled Object Lightning' options are available in Offline mode when they are not relevant	The objects related options are now hidden when in offline mode
B5410	No option to cancel the "Go Online" dialogue	A <i>Cancel</i> button is now available when switching to online mode
B5364	Sync (refresh) icon spins continually (even after all data has loaded) in Internet Explorer	This was related to an issue with the Internet Explorer browser which is now resolved and the Sync icon now stops spinning when all data has been loaded
B4693	PowerWheel text for Markup incorrectly says "Annotation"	The PowerWheel text for the Markup not correctly says "Markup" instead of "Annotation"
B4419	Floorplans appear small and displaced on first opening of the project	The floorplan is now displayed at the right position with the correct size
B5384	Unable to delete Markups created in offline mode as admin user on the first attempt	The Markups created in the offline mode are now being deleted on the first attempt
B5368	Creating a Measurement/Markup does not automatically change the sidebar to the Measurements/Markups tab	When a new Measurement/ Markup is created the sidebar now automatically changes to the relevant tab
B5394	Measurements in U.S. survey feet should display US suffix as with LFM Server	Measurements now display the "US" suffix when units are set to U.S. survey feet
B4143	Renaming a Markup with a letter 'e' in the new name activates resizing of the Markup	Markups renamed with a letter 'e' in the new name no longer activates resizing of the Markup
B4756	Edit Markup icon is missing when Markup is first created	The Edit Markup icon is now available when Markup is first created
B5406	After renaming a markup in offline mode the name on the callout in the BubbleView is not updated	The callout in the BubbleView is now updated to the new name

B5381	The Measurements/Markups tabs are not displayed in the sidebar when a new Measurement or Markup is created in a Guest session	When in a Guest session, the Measurements/Markups tabs are now displayed correctly
B5154	Colour/Intensity icon has text for "Colour" but background for Intensity in Internet Explorer	The Colour/Intensity icon now displays both the correct text and background in Internet Explorer
B5371	Sidebar jumps to main menu when two URLs are added to a Markup one after the other when offline	The user is now able to add subsequent URL's to the Markup without any issue
B5397	Label/URL is not displayed after submitting as a Guest user	As a Guest user, Label/URL is now being displayed properly
B4565	Clicking on 'Clear' button is removing all Measurements, Markups & scan icons from BubbleView	The user is now able to view the Measurements, Markups and scan icons when the search path is cleared following a previous search
B5264	Objects are displayed with incorrect transparency	Objects are now displayed with correct transparency
B5405	Changes made to Markup in Offline mode are not Syncing to Online successfully	The changes made to Markup are now being synced Online when switching from offline mode
B5153	User is able to start another Markup edit before the previous one is complete	The user must now complete an edit before being allowed to start another edit
B5160	BubbleView is not opened through drag and drop method on Tablets	The user is now able to open a BubbleView through drag and drop technique on Tablets
B5396	Go Offline is not working until a BubbleView is opened	Users are now able to go offline without having to open a BubbleView
B5244	Adding a Windows file path to a Markup freezes LFM NetView	This issue is fixed by automatically adding double backslash to the Windows file path when added to a Markup
B5366	Pipe diameter information window incorrectly displaying end position values as zero	The pipe diameter information is now being displayed correctly
B5163	Cannot launch PowerWheel through touch in Internet Explorer	The PowerWheel can now be launched by touch in Internet Explorer

B5156	Colour/Intensity switch does not toggle between the two display modes in the Tile View in Internet Explorer	Colour/Intensity switch now switches to the relevant display mode in the Tile View in Internet Explorer
B4337	Measurements jump when resolved by LFM NetView Service	The Measurements register at the positions where they are initially selected without any jump
B5241	Large objects files do not display in Internet Explorer 11 due to memory limitations of Internet Explorer	The user is now informed that there is not enough memory available to display the objects
B5416	BubbleView fails to open in Offline session created as Guest user in Internet Explorer	The BubbleView can now be accessed when logged in as a Guest user and when in Offline mode in Internet Explorer
B5141	Large offline sessions fail to complete the Go Offline process	Large offline sessions can now be taken successfully as long as they are within the memory limits of the browser being used
B5155	Cannot perform searches by using Search Edit fields on tablets	The issue is now fixed and the user is able to perform searches correctly using the Search Edit fields on a tablet
B5404	Changes made to Measurements in Offline sessions are not Syncing to Online sessions successfully	The changes made to Measurements are now being synced to Online when switching from Offline mode

Deployment and Configuration error fixes for this release: 4.1.2.0

<i>Internal Reference</i>	<i>Description</i>	<i>Solution</i>
B3850	LFM NetView Service Monitor is not packaged with Chef installer	LFM NetView Service Monitor is now packaged with Chef installer
B4875	LFM End User License Agreement (EULA) was not present in LFM NetView Configuration Wizard	LFM EULA is now present in the LFM NetView Configuration Wizard
B4335	LFM NetView Configuration Wizard completion page incorrectly says version 4.0	LFM NetView Configuration Wizard now correctly says version 4.1

B4676	Configuration file is missing some required entries and has some non-required entries	Configuration file has been updated to include all and only required entries
B4300	LFM NetView Configuration Wizard incorrectly says version 4.0 in download list	LFM NetView Configuration Wizard now correctly says version 4.1 in download list
B4308	Unticking the LFM NetView Object Service install still asks the user for an objects file and port	The user is no longer asked for an objects file and port if they untick the option to install the LFM NetView Object Service
B4546	Config file does not store LFM Server username and password	LFM Server username and password is now stored correctly in the config file

Known Issues for this release: 4.1.2.0

<i>Internal Reference</i>	<i>Description</i>	<i>Temporary Workaround</i>
B5442	Measurements cannot be resolved when there are spaces in the LFM Server dataset path	Place the LFM Server dataset without any spaces in the path to the .lfd

Client error fixes for previous release: 4.1.0.0

<i>Internal Reference</i>	<i>Description</i>	<i>Solution</i>
B3996	Entity labels are drawn in all BubbleViews when in the tile view	Entity labels are now only drawn in the active BubbleView
B3897	Unable to measure or create Markups in offline session	Functionality restored
B3899	Issues with functionality in offline sessions: <ul style="list-style-type: none"> • Scans in floorplan not displaying • Tile view slots switching 	When using an offline session, scan sites now display in the floorplan and tile view slots no longer switch round
B3857	Selecting “Yes” when being asked for confirmation of clearing the project history does nothing. Must select “No” to escape the dialogue	Selecting “Yes” now clears the project history as expected



Product QA cycle:

The LFM Software development philosophy uses AGILE principles to ensure a high quality product which evolves to match customer requirements. Throughout the development cycle, test and evaluation is used to guide the process and minimise the final test overhead.

The final test process has three stages, and this document has been prepared after these have been completed. These stages are outlined below.

Individual Function Test

All LFM NetView functionality is examined for correct responses. Functions called from the project components browser, PowerWheel and BubbleView are tested in turn. This ensures that the functionality matches the design intent, and previously recorded errors have been fixed.

Destructive Test

This section of the test schedule is aimed at investigating to see if a software product exhibits proper behaviour when subjected to improper usage, or improper input. The tests are applied to different data samples, machines, and in a random manner to try to replicate 'real world' variations in user conditions.

Software Acceptance Tests

LFM Software concludes the LFM NetView test cycle with a series of controlled examples aimed at simulating real life use situations. The finished models are QA checked against calibrated historical data, to ensure that the product maintains the previous output standard.