

# Release 2.1

## Overview

LemonTree 2.1 is a maintenance release with a focus on improving existing functionality.

LemonTree 2.1.0 was released on 07-02-2019.

LemonTree 2.1.1 was released on 20-02-2019.

LemonTree 2.1.4 was released on 08-04-2019.

## What's New

★ New Feature    ☆ Non-Critical Bugfix    ★ Critical Bugfix

	Issue	Description	Version
★	Improved "New"->"New" scenario.	LemonTree prior to 2.1.4 always reported a conflict when an element with the same GUID was new in both branches. Starting with release 2.1.4 LemonTree will compare the elements properties and won't report a conflict if the elements are equal. For example with .xmi imports elements can be new with the same GUIDs in both branches.	2.1.4
★	Support of Tagged Value Types	LemonTree now also supports UML Types → Tagged Value Types.	2.1.4
★	Removed diagrams from "Impacted Elements List"	Changed diagrams will no longer appear in the "Impacted Elements List". They still can be found in the "Impacted Diagrams List".	2.1.4
★	Diagram generation	We improved the speed of diagram generation in the "Diagram Viewer".	2.1.4
★	Improved filtering	Filter now supports filtering for "GUID" and "ChangeIn". Take a look here: <a href="#">Filtering Impacted Elements / Impacted Diagrams</a> .	2.1.4
★	Recent filters	LemonTree stores recent filters in the suggestion box.	2.1.4
★	Stereotypes in Tree Browser	LemonTree shows the Stereotypes of elements in the Tree Browser (as known from EA in Project Browser)	2.1.4
★	Restructuring Burger Menu	We restructured the Burger Menu for better understanding.	2.1.4
☆	Session files	Also child elements are selected again when loading a session. In previous version the parent element has been selected.	2.1.4
☆	Removed diagram type from list	Also in the Impacted Diagrams List the type of the diagram has been removed (similar to the elements in Impacted Elements List in version 2.1.0)	2.1.4
☆	Support of scaling	There was an issue when the display had scaling activated.	2.1.4
☆	LemonTree starting twice	In some rare conditions LemonTree started twice. This is now fixed.	2.1.4
★	Support of relative paths	LemonTree had problem when VCS integration delivered relative paths to the models. This is now fixed.	2.1.4
★	Performance improvement	We improved performance on writing models. Also take a look here: <a href="#">Performance and Memory</a>	2.1.0
★	Extended session files	Session files also save selected elements from Impacted Diagram/Elements list.	2.1.0
★	Icons in LemonTree	We consolidated the icons of elements to look like in EA 13. We also found some icons which were displayed wrong (like "linked document").	2.1.0
★	Editing of properties	More properties (like "Code") can be edited now. But we restricted others (like "ModifiedDate") where modifying makes no sense to us. If you miss the editing possibility for a special property please contact us.	2.1.0

★	Displaying of UmIType /EaUmIType in <i>Impacted Elements/Diagrams</i> lists	Because of displaying too much information (like "UmIType" after the elements name) readability of the "Impacted lists" has suffered. We consolidated it: The type of the element is now visible via icon (like in EA). There is also a tooltip for the icon to retrieve the element type.	2.1.0
★	Improvements of <i>Tree Browser</i>	The <i>Tree Browser</i> provides better visual information where an element belongs to and which elements experienced what kind of changes in the merge preview.	2.1.0
★	Moved elements visualization	We removed the FullQualifiedName from the <i>Property Viewer</i> and replaced it with <i>moved from/to indicators</i> to improve understand better understand moved elements.	2.1.0
★	Support of "Keywords"	Keywords are now supported by <i>LemonTree</i> .	2.1.0
★	"Session information" introduced	The new entry "Session Information" in the "Burger Menu" shows information about session like base model, session type and more.	2.1.0
★	Automatic merge can be aborted	When <i>LemonTree</i> is integrated in VCS it shows the dialog "LemonTree is thinking". Users can now abort this dialog.	2.1.0
★	Position/size of UI components	<i>LemonTree</i> now remembers the position/size of UI components (like <i>Property Viewer</i> , <i>Tree Browser</i> , ...).	2.1.0
★	FIPS compliance	When implementations of cryptographic algorithms are not FIPS compliant on customer machines, <i>LemonTree</i> was not able to start. We now set enforceFIPSPolicy to "false". <i>LemonTree</i> doesn't use MD5/SHA-2 in a security relevant context.	2.1.0
★	Visualization of diagrams	We improved visualization of diagrams in <i>Diagram Viewer</i> .	2.1.0
★	Licensing improvements	<i>LemonTree</i> 2.0 introduced a new licensing component. <i>LemonTree</i> 2.1 provides better feedback and also fixes some minor issues.	2.1.0
★	Status of requirements	EA saves the "status" of requirements redundantly in the DB ("PDATA1" and "Status"). Depending on EA versions it can happen that this information is not consistent but conflicting. Older versions of <i>LemonTree</i> consolidated these fields. <i>LemonTree</i> 2.1 does not do that any more.	2.1.0
★	Improvement on stereotype handling	EA knows different ways to store stereotypes. <i>LemonTree</i> has been improved on assigning stereotypes to elements. This has impact when using profiles/MDG-technologies and visualization in the <i>Properties Viewer</i> .	2.1.0
★	New action types in EA 14	EA 14 introduced new action types ("Reduce" and "Unmarshall") which older <i>LemonTree</i> versions did not know about. <i>LemonTree</i> 2.1 handles them correctly.	2.1.0
★	Internal requirements	Internal requirements are cut off to 256 characters. This is fixed in <i>LemonTree</i> 2.1	2.1.0

## Known issues

- Constraints of Messages in Sequence Diagrams get lost.
- SaveFileDialog prompts twice when overriding a file (for example file dialog "Start Merge" and selecting an existing file). That does not happen on Windows builds prior to 10.0.17763. It seems to be a bug in .NET.
- N-ary associations with navigability are not supported properly.
- Link to composite diagram get lost on activities.
- Multiplicity properties (Upper bound, Lower bound, ...) of parameters of interactions of sequence diagrams are not diffed/written.
- **There is a problem when LemonTree is started via Commandline and relative paths. Working on the fix: [Fixed in 2.1.4](#)**
- **LemonTree cannot start. Due to updating a component LemonTree requires a new version of Visual C++ Redistributable 2015 Packages which is not delivered with the setup with 2.1.0. We're currently working on a HotFix for it.**  
A manual install of the package may be required if it's not on the system (it is installed with various types of software). Find the package here: <https://www.microsoft.com/en-US/download/details.aspx?id=48145> **Fixed in 2.1.1 Note: Problem still exists in LT 32Bit version.**

## Not supported EA features

LT doesn't diff these features:

- Default diagram
- Project Tasks/Issues (Can be found in Ribbon "Construct" → "Project" → "Status" → "Project Status (Tasks & Issues)")
- UML Types → Tagged Value Types **Fixed in 2.1.4**
- EA Security: Configure → Security
- Testing