

Parts BOM Editor

Aras Innovator Community Projects

Description

What is Parts BOM Editor?

- This User interface of Part s BOM Editor that developed for Bill Of Materials [BOM] in Aras Innovator's Product Engineering solution.

Functions Feature

- Display Part tree
- Display and Edit part Description
- Display and Edit part Quantity
- New Create Part
- Add existing part structure
- Remove part structure
- Lock
- Unlock
- Openable Part structure tree
- Batch Saving
- Drag & Drop Function

Currently supported browsers and Aras Innovator Version are?

- Internet Explorer 7, 8, 9
- Aras Innovator 9.3 SP3

Licence

- Parts BOM Editor is using jQuery library.This library is licensed by MIT License (<http://jquery.org/license/>) agreement.Copyright (c) 2011 John Resig (<http://jquery.org/>)
- Parts BOM Editor is using jsTree library.This library is licensed by MIT License(<http://www.opensource.org/licenses/mit-license.php>) agreement.Copyright(c) 2010 Ivan Bozhanov (<http://jstree.com/>)

Parts BOM Editor

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Deploy documentation

- ❏ (1) It has to copy the bellow "Client" folder to "Aras Innovator's Client" folder.
- ❏ (2) Parts BOM Editor Package has to import bellow "packages" folder to Aras Innovator.Packages When import, Use the Aras Innovator utility tool.

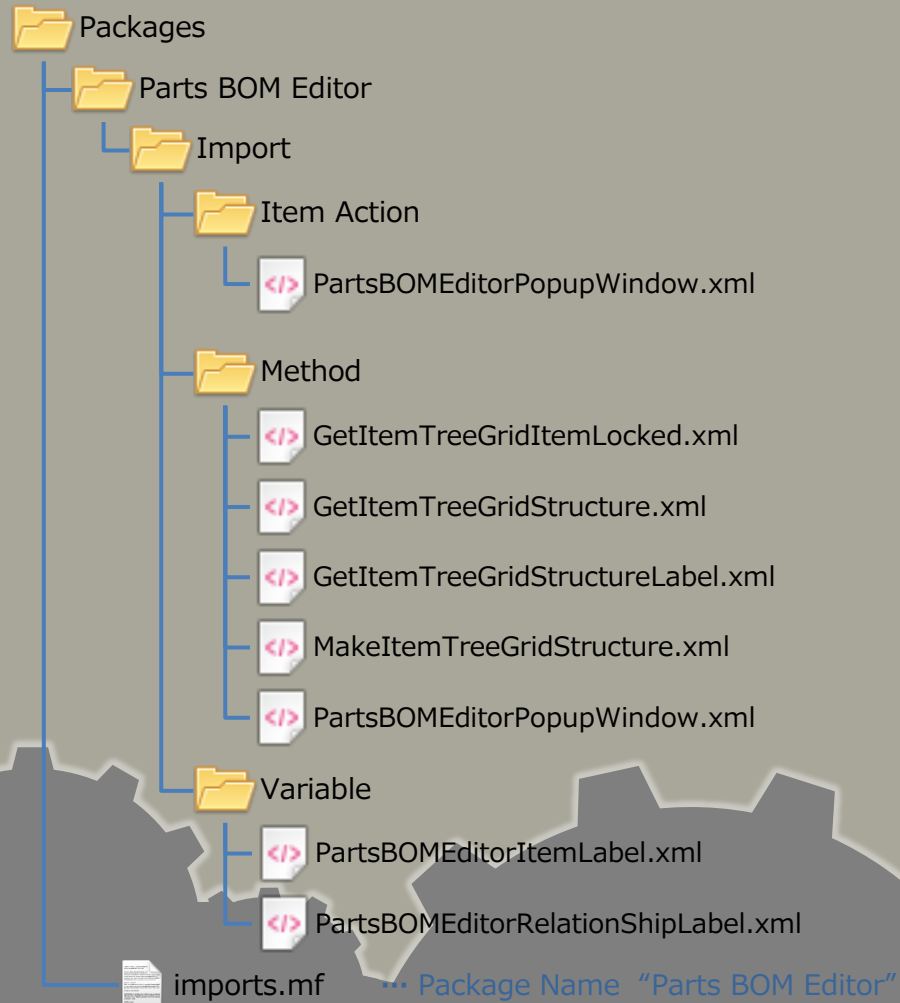
Folder layout



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Package layout



Method of operation

The screenshot shows the Aras Innovator web interface. On the left is a navigation tree with folders like Administration, Change Management, Dashboards, Design, DFMEAs, Part Families, Parts, Products, Documents, Library, My Innovator, Portfolio, Process, Sourcing, and Templates. The 'Parts' folder is selected. In the center, a 'Part' details panel shows information for part L-10-8668-15, including creation and modification dates, major revision A, release date 1/9/2010, and state Released. To the right of this panel is a context menu with various actions. The 'Parts BOM Editor' option is highlighted with a red arrow. On the right side of the interface, a table lists parts with columns for Type, Status, Cost, and Changes. The 'Parts BOM Editor' dialog box is open in the foreground, showing a hierarchical BOM tree for part L-10-901044 - A.1. The dialog has tabs for 'Part' and 'Part BOM'. The 'Part' tab is active, showing fields for Part Number, Revision, Gen, Name, Type, Status, Cost, Unit, and Make/Buy. The 'Part BOM' tab shows a hierarchical tree of sub-components.

Select Action "Parts BOM Editor"

Parts BOM Editor

Expand All Close All save

Part **Part BOM**

Part Number L-10-901044

Revision A

Gen 1

Name Right Side Slider

Type Assembly

Status Released

Cost

Unit EA

Make / Buy Make

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Parts Relation
information

“Part” Item Type Viewer

Part Number	Revi...	State	Sequence	Quantity	Lock...	Name
L-10-901044	A	Released	10	1		Right Side Slider
L-4211002	A	Released	10	1		plate 2x6units Dark Gray
L-306923	A	Released	20	1		Faceplate - short Blue
L-4183043	A	Released	30	2		hinge plate - 2units Black
L-4211063	A	Released	40	1		plate single row - 2units Dark Gray
XX-302223	A	Released	50	1		square plate - 2units - blue Blue
L-4286004	A	Released	60	1		Slider covering - long Blue
L-4171849	A	Released	70	1		Slider covering - short Blue
L-4278359	A	Released	80	1		round slide protection Black
L-10-901045	A	Released	20	1		Left Side Slider
L-4211002	A	Released	10	1		plate 2x6units Dark Gray
L-306923	A	Released	20	1		Faceplate - short Blue
L-4183043	A	Released	30	2		hinge plate - 2units Black

Parts BOM Editor

Parts information

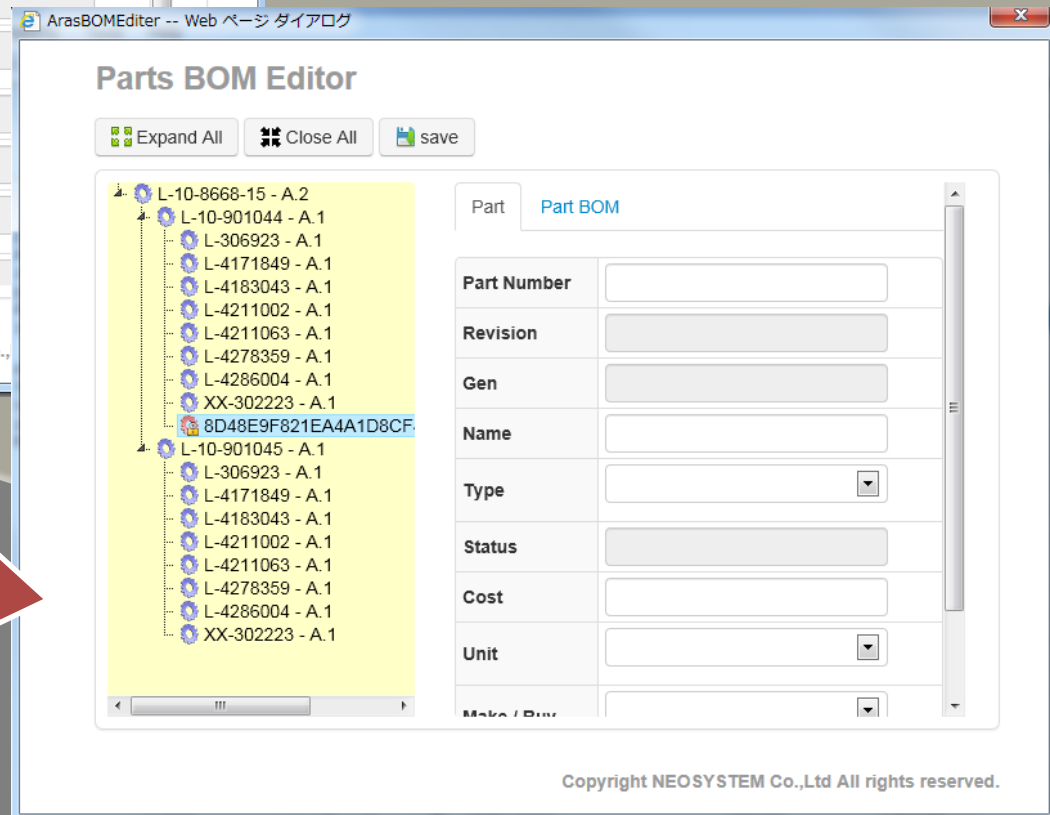
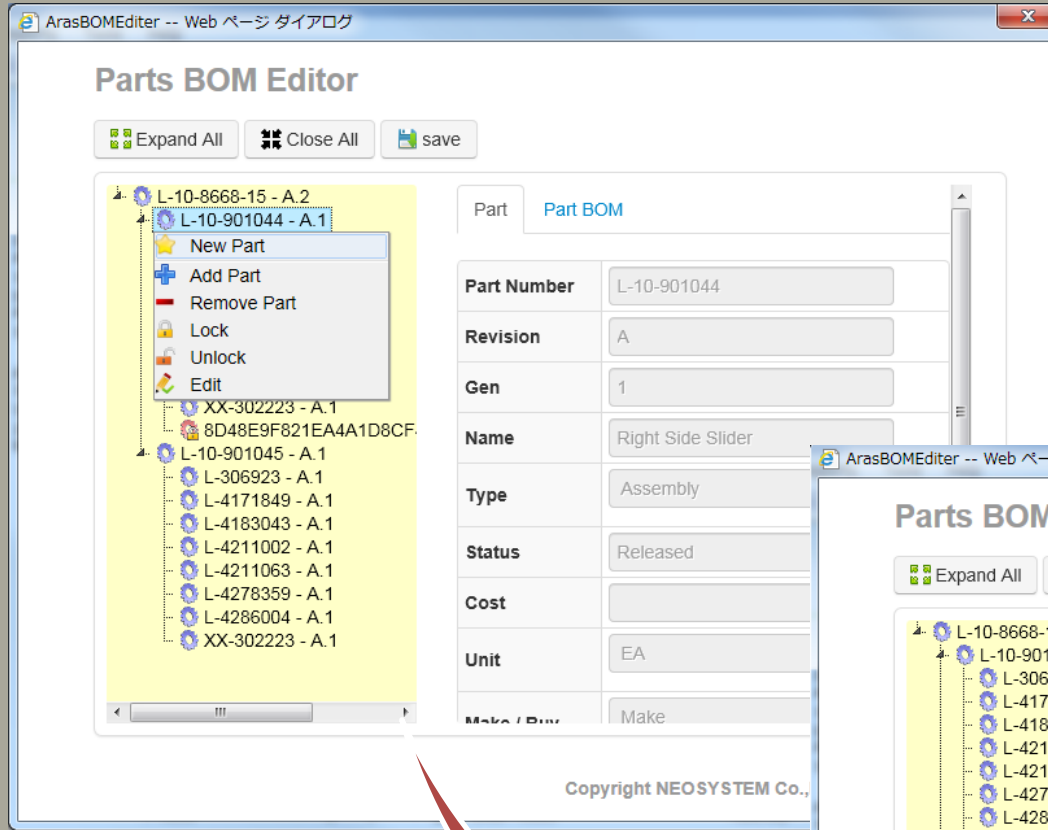
Parts structure information

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- It is spread all of part information by tree.
- You can see the tree structure left side, right side is chosen display parts description.
- Description items are separated “item type” and “relations information”
- It will switch automatically by item type

 **New**

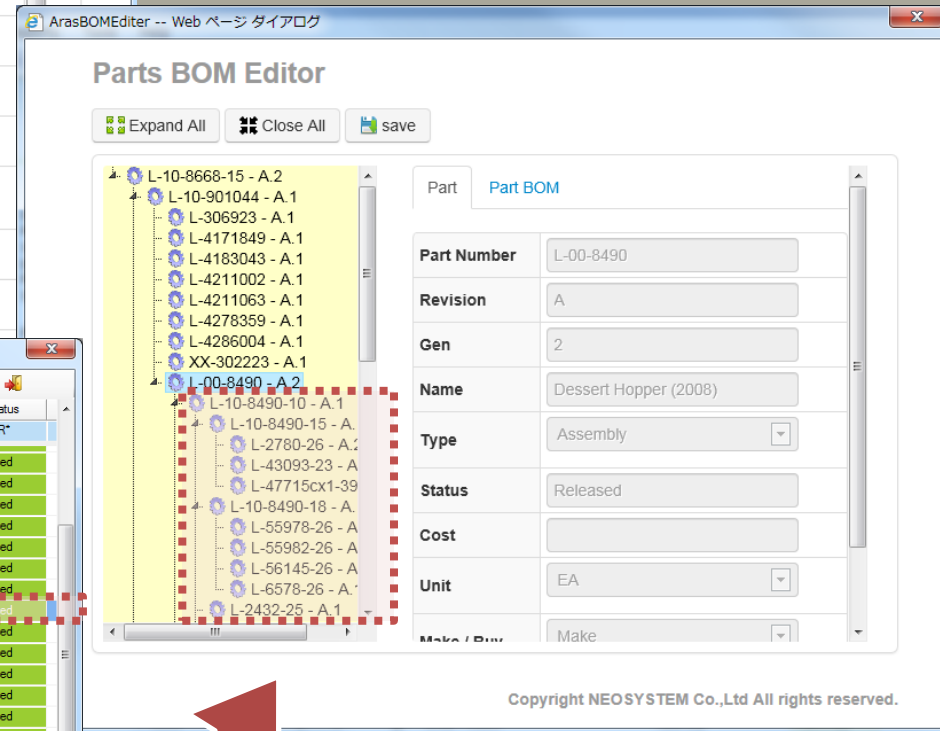
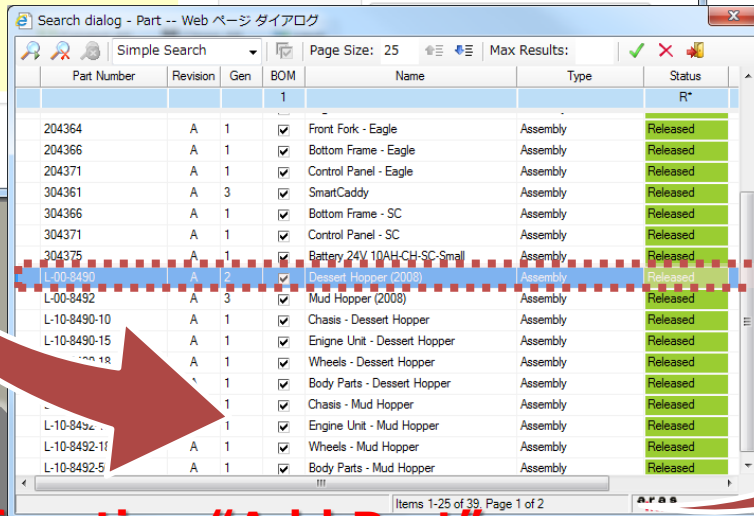
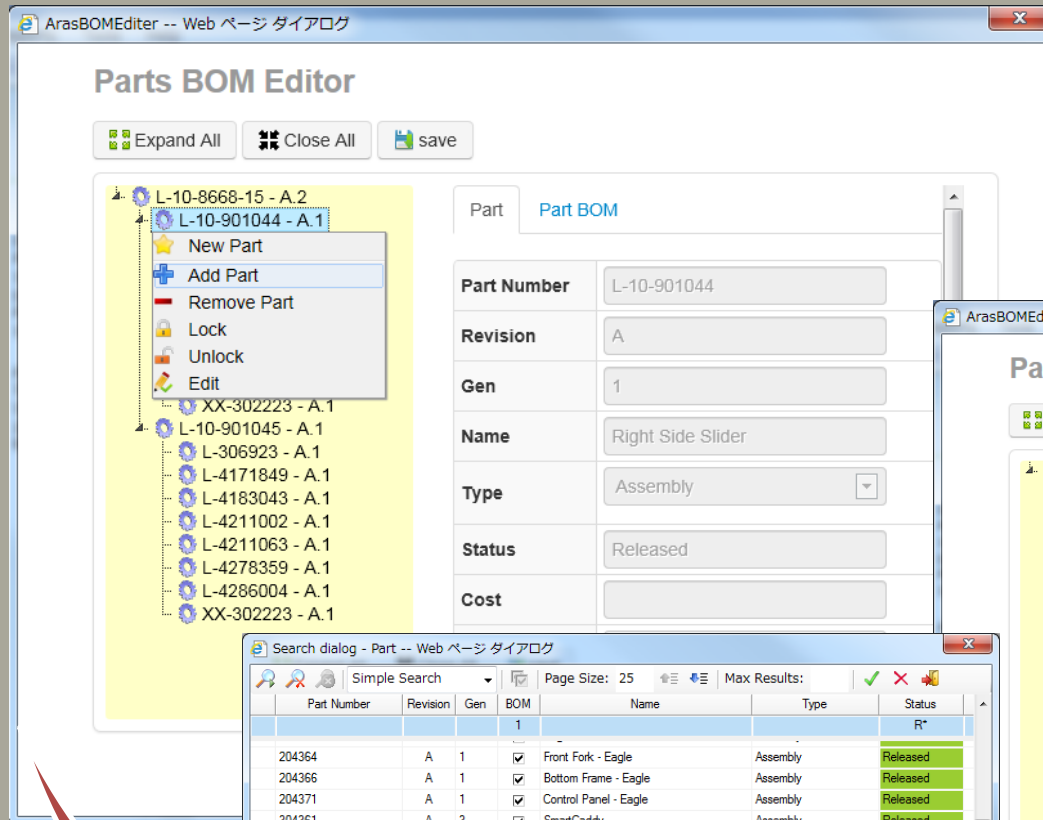
You can create "new part" on this tree.



Select function "New"

Add Part

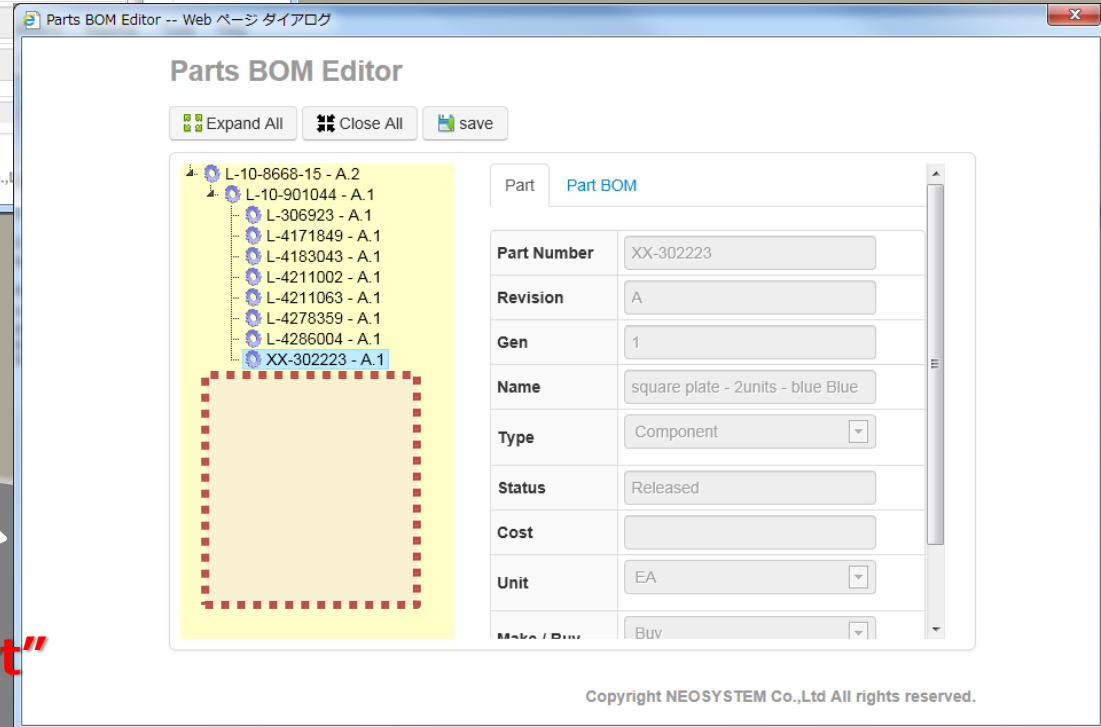
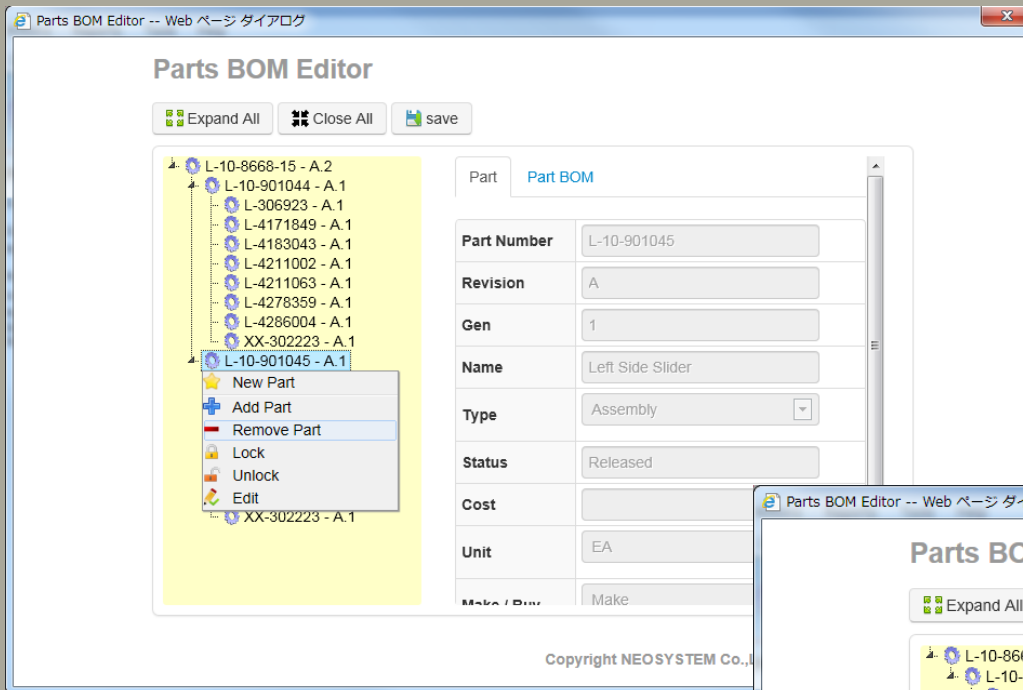
You can search existing part, and add a data



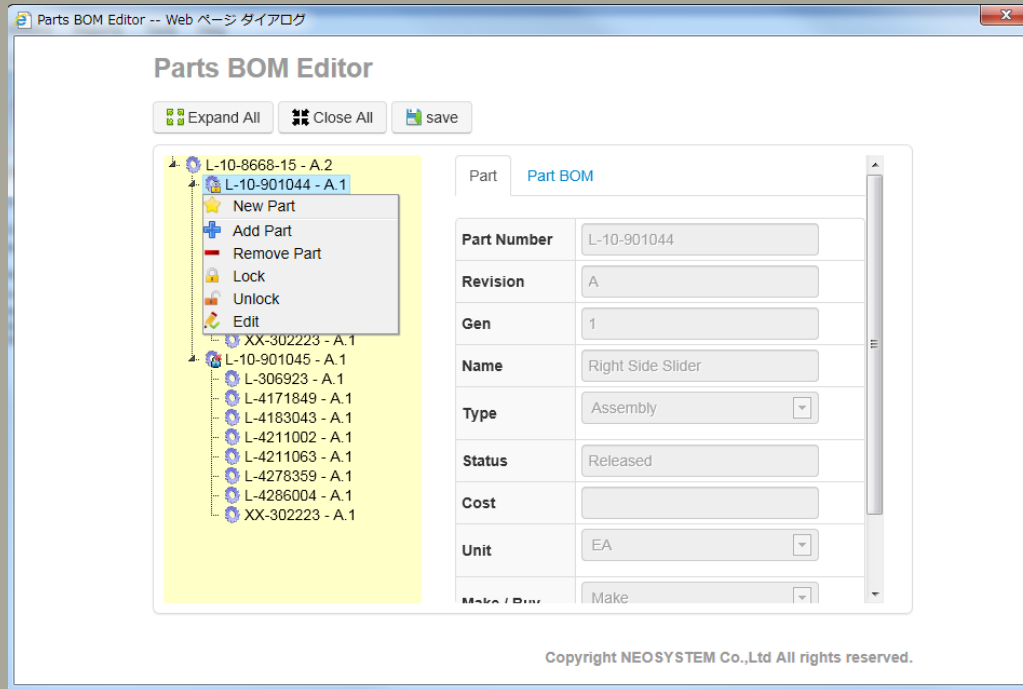
Select function "Add Part"

Remove Part

Remove the data in this structure, but cannot delete part data.



Select function "Remove Part"



Lock

You can lock this tree, when you lock, changed the Icon
If other one using lock function, it will be changed automatically

Unlock

When it was locked, it will be unlocked

Select function
"Lock", "Unlock"



Unlock Status



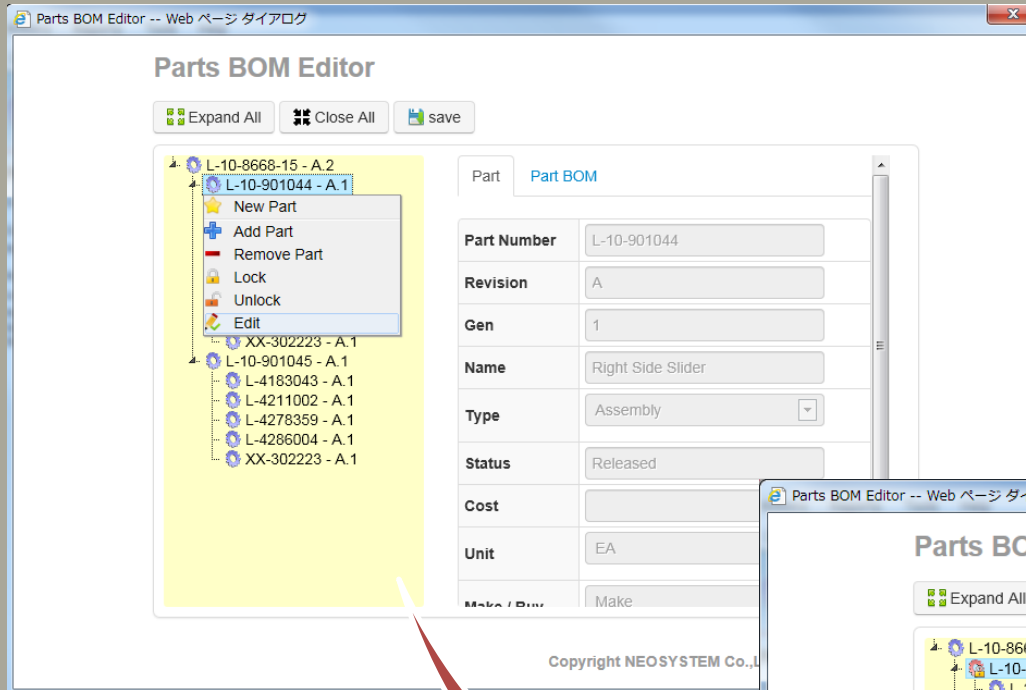
Lock Status



Other user lock Status

Edit

When you change description, execute "edit".
When you chose "edit", it will be changed the Icon, and it will be able to change the content at right side.



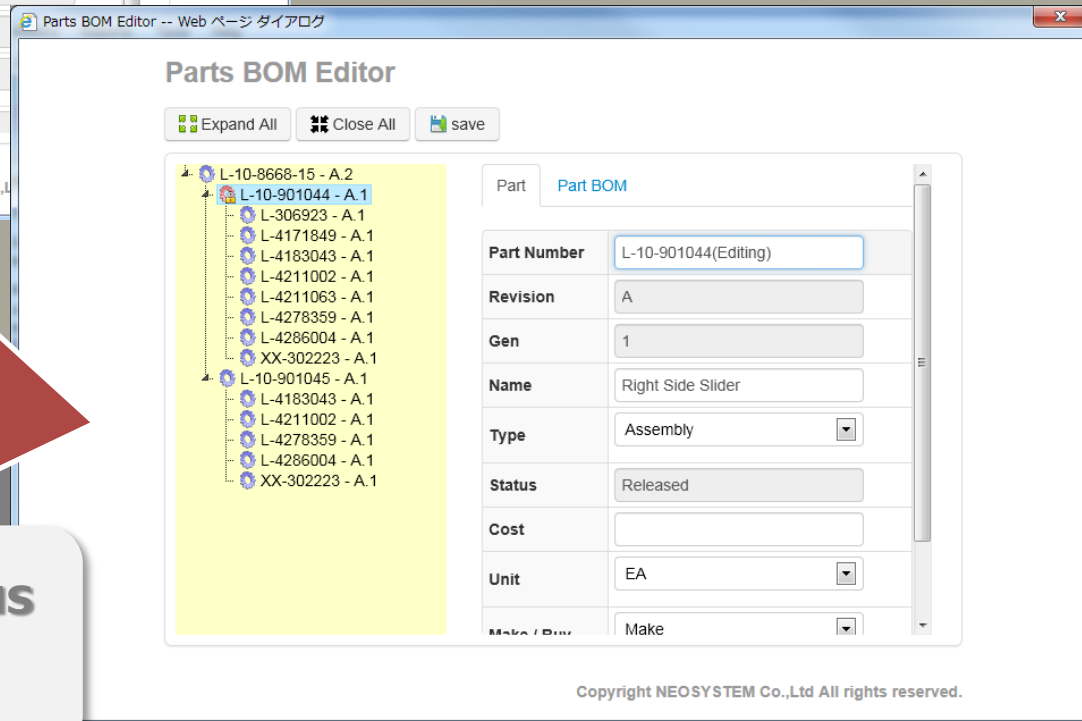
Select function "Edit"



Non Change Status



Change Status

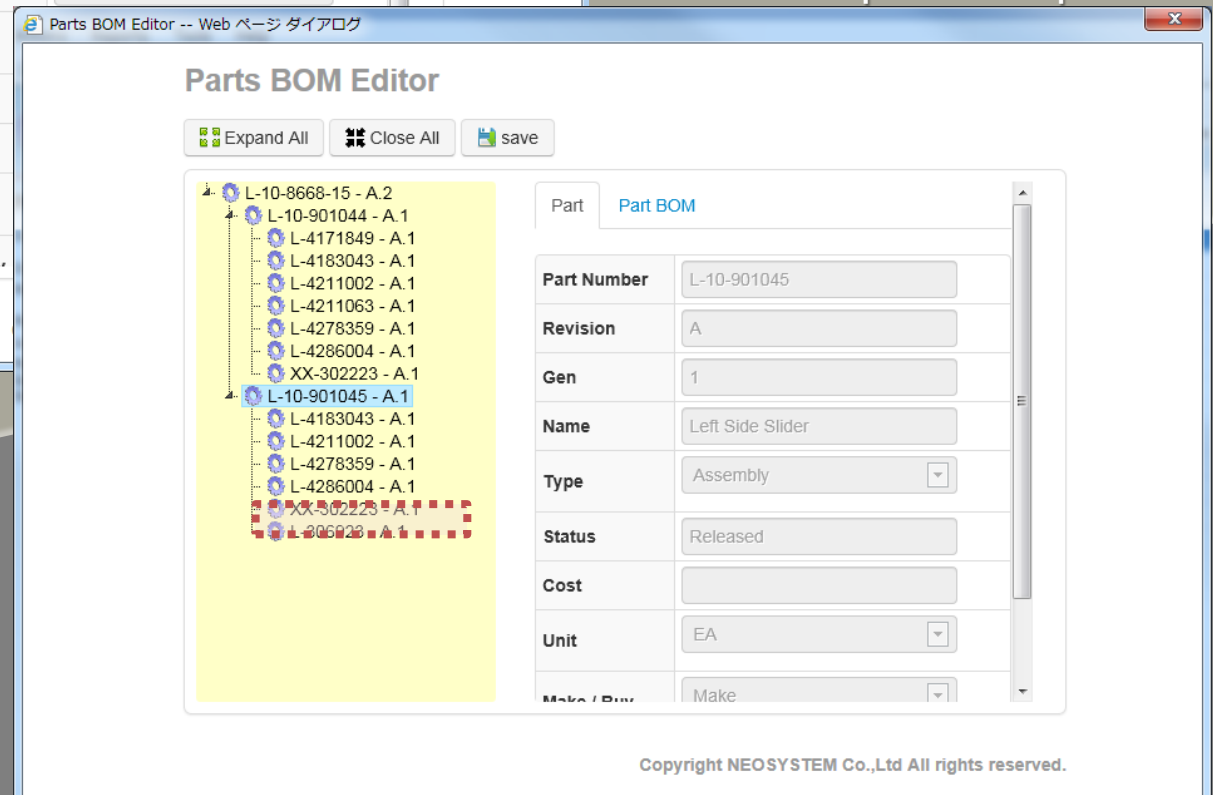
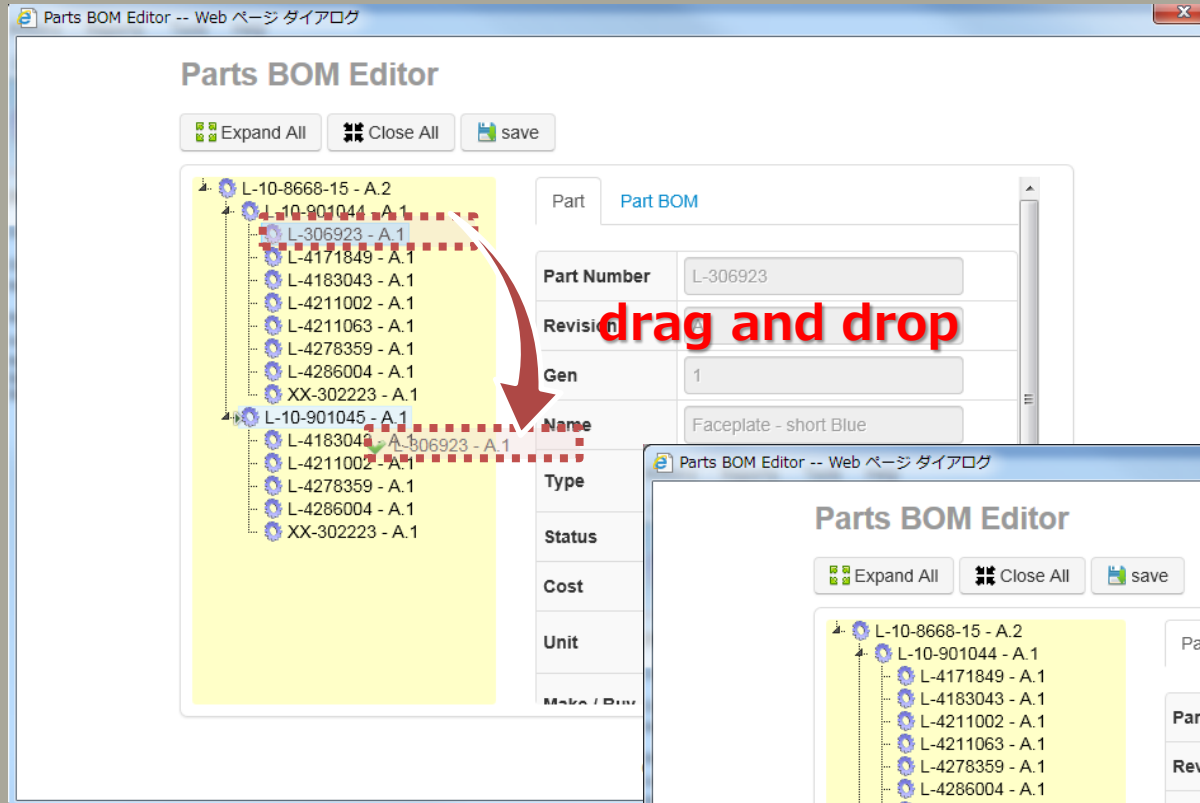


⚙️ Change the structure

You can move the data by drag and drop.

It can change order specified part.

It can move below the structure specified parts.



⚙ Save

Click "Save" Button

Parts BOM Editor -- Web ページ ダイアログ

Parts BOM Editor

Expand All Close All save

Part Part BOM

Part Number	L-10-8668-15
Revision	A
Gen	2
Name	Sliders
Type	Assembly
Status	Released
Cost	
Unit	EA
Make / Buy	Make

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Decide those structure, will save the data that be changed "place" and changed "icon", when you click "save button", you can see which those are saved in "Aras innovator".

These processing are used by Aras "IOM" library.

It depend on a item type for version info and generation management

Future



Release Version

- 1.00 (May 31, 2013)



Additional Future functions

- Another Relationship information management
- Add checking function of the Client side
- Thumbnail View
- Adding permissions to view
- Re-vision function
- Same part control



New feature

- Replicate by Comparing BOM.
- Collaborate with JQuery

Contact Us



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