

# Introducing the 46.1.0 with a lot of new features

BTIB is thrilled to announce the new version of its Active Framework with about 50 issues corrections and new features plus the support for Niagara 4.6. The btibStructure module is now more stable and offers a lot of possibilities for tagging your station really quickly. As usual, btibToolkit embeds a couple of new components. In preparation for incoming dashboarding capabilities, we introduce a new module called btibVision dedicated to the UI.

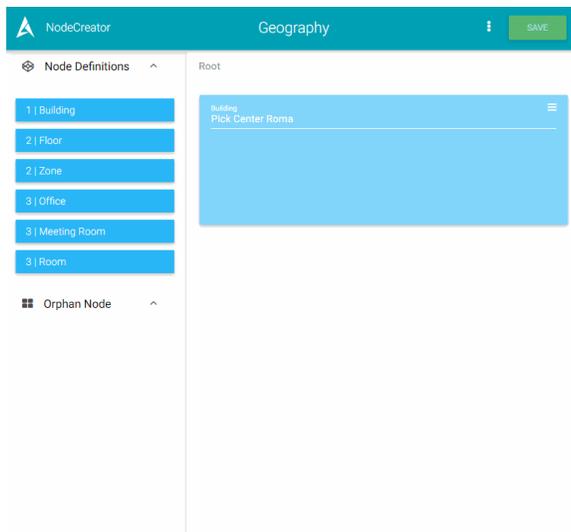
## What's new in Toolkit ?

We introduce in this release the [MultiGenerateLink](#), a component that allows you to create automatically links between multiple sources and targets based on BQL or NEQL queries. It can save you a lot of time. There is also a new dedicated component, [PointLogExt](#), to follow your ControlPoint changes and to log them using the btibCore logging system. You can also now use the [LogHistoryRecipient](#) to store your logs into histories. Note that all the UI part of Toolkit has been moved to the new btibVision module. Follow this [tutorial](#) if you need to upgrade a 4.4 station to 4.6.

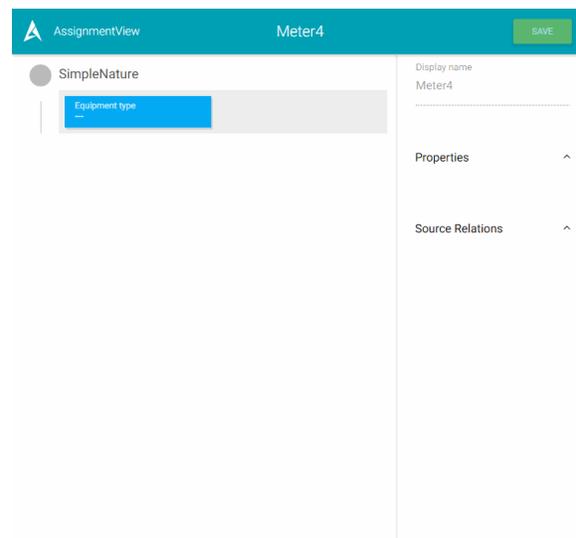
## What's new in Structure ?

A number of issues has been fixed with the NodeCreator and the AssignmentView. We introduce NodeRelations in order to create relations between Nodes. You can now for example easily create relations between a floor and its allocated tenants or with schedules in the station. We also introduce it for the assignment of sources. Now, if you define that an equipment is a Meter, you end up with the Haystack tags, and it can ask you to select which meter it is a submeter of. For an AHU, you could select which chiller it is associated with etc.

The NodeCreator to create Nodes



The AssignmentView to assign a Source (anything in a station) to a Node



## BSO-Project for Haystack

Our goal is to **facilitate the tagging process** as much as possible and Haystack is a big part of it. Haystack is now one of the most used standards to describe the BMS environment by normalizing about 200 tags and relations between entities. There are two major problems with it:

- It's time consuming as it's not really organized in a "human" logic and you can easily do some mistakes by forgetting tags
- It's English only (and that's the core foundation for it) but not everyone talks English

So we created an open-source project called [bso-project.org](#) to tackle these issues. It's mainly based on the top of Haystack. We introduce Nodes that represent groups of tags such as [Heat Distribution](#), [Pipe Flow Sensor](#) etc. We organize them into 6 graphs making it easy to find the right one with a [category](#) graph, a [resource](#) graph, a [dimension](#) graph etc. And we created a system to [translate](#) them into a local language while [keeping the original Haystack tags](#).

Therefore you can deploy Haystack tags and relations in a Niagara station at an [unprecedented speed](#).

So, in order to get all the Nodes in a Niagara station that are defined in BSO-Project, we introduce a powerful importer to fetch all those Nodes. Choose the language and trigger the import action, that's all it takes. It's gonna create or update hundreds of Nodes that you can still override if you need your own specifications.

Station (ActiveTestOP) : Config : Services : BtibService : Model : Nature AXProperty Sheet

Property Sheet

defineResources

Definition [v] ▶ New

Resource [v] ▶ New [X]

Overview

[-] BsoProjectImporter	Bso Project Importer
[-] Status	{ok}
[-] Fault Cause	
[+] Log Ext	System Log Ext
[+] Advanced Config	Advanced Config
[-] Language	en [v]
[-] Available Version	0.1.29
[-] Current Version	0.1.29
[+] Category	Node Definition
[+] Equipment	Node Definition
[+] Element	Node Definition
[+] Position	Node Definition
[+] Resource	Node Definition
[+] Type	Node Definition
[+] Dimension	Node Definition
[+] Characteristic	Node Definition
[+] Sensor	Node Group Definition
[+] Actuator	Node Group Definition
[+] Virtual	Node Group Definition

Refresh Save

## Licensing

We introduce in this release the new licensing model based on Active-Credits. Check this [blog post](#) for more information. You can ask for a free license on your OfficeDemo to try it out.

## Training

Two e-learning programs are now available in English:

- **StructureLevel 1**: Get the basics of btibStructure (NodeCreator, AssignmentView, Batch commands)
- **StructureLevel 2**: Deep dive into advanced models, use of NodeTags, SourceTags, logs, the Nature Aspect etc.

Ask for an access at [orders@btib.fr](mailto:orders@btib.fr)



## Documentation

All the documentation is now available in English [here](#) or you can right-click on any component in the palette.

## Download

The last version of the Active Framework is available [here](#) for downloading. Don't forget to ask for a license on your OfficeDemo.

## ReleaseNotes

The releaseNotes of the 46.1.0 are available [here](#).

## Coming soon

### Strategies

This is the biggest piece of the ActiveFramework, a set of components to automate all of your tasks (Create components, views, add widgets, set a properties, add an history extension etc.). We are finishing up the module to make it ready for production. We already introduced in this version a couple of features that strategies are going to require (Resources, SFormat etc.).

### Node Drawer

It will allow you to create Nodes like the NodeCreator by drawing them into a page. Create a new office by drawing it on the floor plan. More than creating Nodes, it will enable you to define masters among the devices included in the zone you draw. So a final user can draw a zone, define the light controller master and thanks to the strategies, it will re-configure your devices automatically.

### FlexPane

This is a really cool feature that should be available in the next release. It allows you to create dashboards inside Niagara with Material Design cards that you add to a page. You organize your pages into tabs.

