

Get Started Home

Welcome to the **ACTIVE** Toolset to enrich your Niagara Framework experience.

The ACTIVE toolset is composed of several packages:

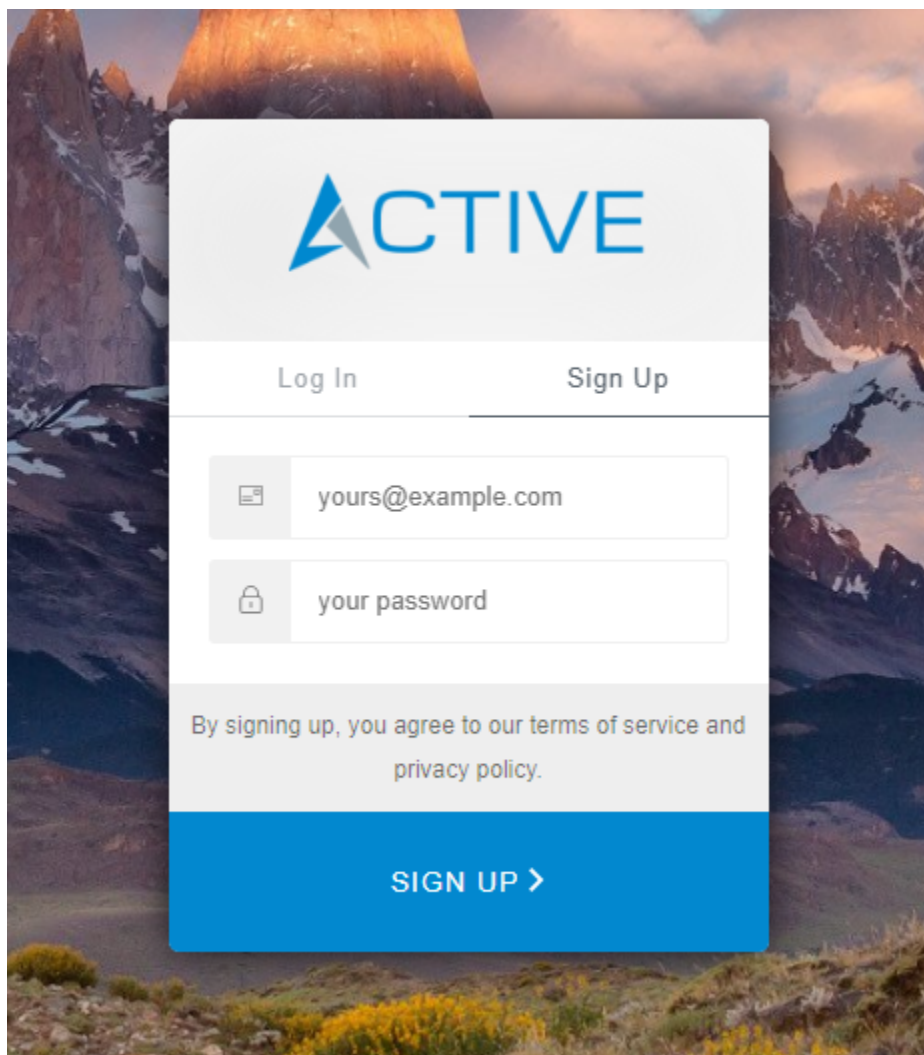
- **ACTIVE-PRO**: Excel import/export and macro recorder
- **ACTIVE-Framework**: Data structuration, Automation workflows, Dashboard builder
- **ACTIVE-API**: Generic Rest API Network driver, Internal Niagara API
- **ACTIVE-Connectors**: Real-time synchronization with 3rd party platforms and databases

Each package includes Niagara modules (.jar files).

Download

You can download the different packages from this address: <https://download.vayandata.com/>

You will need first to create an account by selecting *SignUp*. This account will be common to the rest of the resources.



The image shows a login and sign-up form for the ACTIVE toolset. The form is overlaid on a background image of a mountain landscape with a volcano. The form has a white background and a blue header with the ACTIVE logo. Below the header, there are two tabs: 'Log In' and 'Sign Up'. The 'Sign Up' tab is selected. Below the tabs, there are two input fields: one for email (labeled 'yours@example.com') and one for password (labeled 'your password'). Below the input fields, there is a checkbox labeled 'By signing up, you agree to our terms of service and privacy policy.' and a large blue button labeled 'SIGN UP >'.

Then you can select the package you want to download. If you download several packages, they will contain some common modules

ACTIVE-Pro

Version: 50.0.0

Release date: 04/01/2022



Active-Pro

Excel I/O + Macro recorder



ACTIVE-Framework

Version: 50.0.0

Release date: 04/01/2022



ACTIVE-Framework

Tagging, Workflow, UI



ACTIVE-Api

Version: 50.0.0

Release date: 04/01/2022



Rest API Network

Generic Rest JSON API Network



ACTIVE-API

Internal REST API & JWT Authentication



Once you unzip the package, you need to copy the modules to your Niagara modules folder. Example:

📁 > This PC > Windows-SSD (C:) > Niagara > Niagara-4.11.0.142 > modules

Name	Date modified	Type	Size
btibCore-rt.jar	3/31/2022 5:44 PM	JAR File	3,945 KB
btibCore-ux.jar	3/31/2022 5:44 PM	JAR File	5,879 KB
btibCore-wb.jar	3/31/2022 5:44 PM	JAR File	364 KB
btibDataFlow-rt.jar	3/31/2022 5:57 PM	JAR File	284 KB
btibDataFlow-wb.jar	3/31/2022 5:57 PM	JAR File	55 KB

Importance notice: ACTIVE-Pro will run on your Workplace only, so you don't need to copy the modules to your JACE or remote station. The others packages requires modules to be installed into the station.



You will need to restart both your running station AND your Workbench to be able to use the modules. See licenses as well below.

Licenses

ACTIVE-Pro

If you are interested by ACTIVE-Pro, this is a self licensing mechanism. You just need to complete your profile and create a new license here: <https://licensing.active-framework.com/>

You can try for free a license on your Workbench. Hit **+1 Add LICENSE** button

The screenshot shows the 'Active Licensing' dashboard. On the left is a sidebar menu with links: Dashboard, Services, Active-Pro, My Profile, Legal, General Terms, Privacy Policies, and Sales Conditions. The main content area has a blue header with the text 'Active helps your team succeed.' Below this is a card for 'Active-Pro' with the tagline 'Boost your productivity' and a price of '25€ per month'. The card includes a description: 'Active-Pro provides tools to save you important time on creation and modifications with an Excel import/export tool and a macro tool to record your programming modifications once and to repeat them by a simple selection.' It also states 'You have 12 active licenses' and features two buttons: '+1. ADD LICENSE' and 'SEE DETAILS'.

And fill-in your Workplace HostId

The screenshot shows a 'Subscribe to Active-Pro' modal window. It features a progress bar with four steps: 1. Start (checked), 2. Device (active), 3. Pricing Plan, and 4. Review. The main instruction is 'Enter the hostID of the device you want to create'. Below this is a text input field labeled 'HostID' containing the text 'Win-AAAA-AAAA-AAAA-AAAA'. At the bottom are two buttons: 'BACK' and 'NEXT'.

Select your pricing plan, first month is free anyway. If you're already convinced, fill-in your credit-card information first in your profile.

Subscribe to Active-Pro

✓ Start

✓ Device

3 Pricing Plan

4 Review

Choose your pricing plan

270€ paid yearly

BACK

NEXT

ACTIVE-Framework, ACTIVE-API, ACTIVE-Connectors

These packages require a license from Niagara Central. Please contact VayanData to get a free license on your Office Demo: contact@vayandata.com

Once you get confirmation from VayanData your license has been generated, get to your Niagara platform.

License Manager

Host Addresslocalhost

Host IDWin-FC86-5873-0AA5-F3E6

Brand IDTridiumEMEA

Licenses

Btib.license (btib 4.11 - expires 2023-02-28)

Honeywell.license (Honeywell 4.11 - expires 2023-02-28)

TridiumEMEA.license (Tridium 4.11 - expires 2023-02-28)

Certificates

Btib.certificate (btib - never expires)

Honeywell.certificate (Honeywell - never expires)

Tridium.certificate (Tridium - never expires)

Import License

◇ Import one or more licenses from files

◇ Import licenses from the local license database

◆ Import DEMO VERSION OF WEB SUPERVISOR AND WORKB (Tridium EMEA 4.11) licenses from the licensing server

OK

Cancel

If you get anything wrong, please contact our support so we can help you: contact@vayandata.com

Documentation

The documentation is available here: <https://doc.vayandata.com/>

Every component in a palette has its own documentation page detailing the first implementation and listing all its properties & actions. Sometimes, you will find some e-learning to get further.

- ACTIVE-Framework
 - bbbCore
 - bbbToolkit
 - BtbbToolkit palette
 - Alarm
 - AlarmCount
 - AlarmSynthesis
 - LastAlarm
 - LocalAck**
 - RecipientSwitch
 - ResetCountOffNormalTimes
 - SetHyperlinkGrid
 - SlackRecipient
 - HttpPostRecipient
 - Control
 - btbbToolkit Conversion
 - Delay
 - Email
 - btbbToolkit Extensions
 - Global Command
 - Log
 - PointSelector
 - Report
 - ScheduleSelector
 - SmartOperator
 - Summary
 - Time
 - Util
 - Weather
 - btbbStructure
 - btbbStrategy
 - btbbVision
 - btbbDataFlow
 - btbbLonTools

LocalAck

Description

The LocalAck component is used to acknowledge alarms at the points in which the alarms are created. It is thus possible to create acknowledgments in the views displaying this point or to create acknowledgment logic with physical points for example.

Implementation



- Copy / paste the component at the same level as the alarm extension used to define the alarm
- Link the "ToOffnormal" topic of the alarm extension to the "Receive" action slot of the LocalAck component
- The "Ack" action of the LocalAck component can be used in web pages or linked to a physical point, for example

Properties

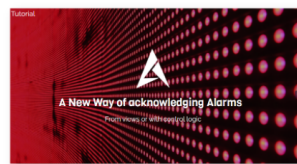
- LastUuid:** Stores the "uuid" property (unique identifier of the alarm) of the last received alarm

Actions

- Ack:** Acknowledges all alarms from the source in which the LocalAck component is located
- Receive:** It is necessary to link the outputs of the alarm extensions (Alarm topic) to this action.

Training

You can follow this e-learning course to practice



Feel free to follow the various get started tutorials or labs.

Elearning

E-learning content is available to help you get deeper in the concepts and apply some real use cases: <https://elearning.vayandata.com/>

Using the same account, you can access to all the tutorials and programs

Programms

Structure Level 1 Acquire the basics of Structure OPEN	Structure Level 2 Deep dive into Structure advanced capabilities OPEN	Strategy Level 1 Discover the principles of a Strategy to automate tasks in Niagara OPEN	Introduction to Active... General presentation of the station and its feature OPEN
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Tutorials

Get started with Activ... Set-up your environment	Get started with Activ... Set-up your environment	Last Alarms Display Add a quick summary of current alarms in your user interface	Px Theming The purpose of this tutorial is to show an easy way to personalize your...	A new way of ackno... Learn how to acknowledge alarms on views or with control logic
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Support

Support usually requires a specific contract with VayanData or a **ACTIVE** distributor.

Because we care about your success, we can put you on the right tracks by contacting support@vayandata.com