

NSE Stock Insights

Readme

Version 1.0

13/09/2021

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1. Introduction

This document contains all essential information for the user to make full use of this Automation 360 NSE Stock Insights. It includes the description of the functions and capabilities and step-by-step procedure for setup & configuration of the AARI for Web process.

1.1 Overview

The AARI for Web NSE Stock Insights is designed to demonstrate how Automation Anywhere's Robotic Interface (AARI) works for engaging bot and human collaboration. Here is the scenario built with this process: A Requester can get an excel export saved in required folder of Top 20 Gainers/ Losers from the National Stock Exchange website (<https://www.nseindia.com/market-data/top-gainers-loosers>) as per the requesters selection made through forms.

1.2 Use cases

The key use cases include:

- This Process helps the requester export the data of Top 20 Gainers/ Losers from the National Stock Exchange website as per the selections made on the form.
- This Process helps the requester review the fetched data for multiple selections one at a time.

2. Requirements & Prerequisites

2.1 System Requirements

[Automation 360 \(Cloud deployed\) and Community Edition device requirements.](#)

Review the machine hardware specifications, operating system versions, and browser types supported by Automation Anywhere Enterprise for creating and running bots and command packages as an Automation 360 (Cloud deployed) or Community Edition user on your local machine.

2.2 Prerequisites

- Automation 360 setup to run in your machine and AARI license.
- Bot creator license.
- Ensure access to AARI web.

3. Getting Started

3.1 Quick Start

3.1.1 Setup

- Install the Bot from Bot Store into your Control Room.
- Navigate to NSE Stock Insights folder within the Bot Store folder to examine the installed process, bots, and forms.

3.1.2 Configuration and Use

No configurations required.

Process Flow:

NSE Stock Insights - This process orchestrates the entire workflow using the bots and forms.

Initialize Bot (Called as Sub Task in all Bots) - Creates the required folder structure under <C:\ProgramData\AutomationAnywhere\Bots\NSE Stock Insights>. Assigns variable including National Stock Exchange website (<https://www.nseindia.com/market-data/top-gainers-loosers>) url, checks and creates folders, csv log file.

Start (Request Home Page Form) - Initial Form asks for requester name.

NSE Get Dropdown List Bot - Fetches the drop-down list from National Stock Exchange website uses Google Chrome browser.

Option Selection Form - Displays the bot run status, requester can select the Index and type. Requester can click Next or Exit button.

NSE Get Required Data Bot - The bot launches the website in Google Chrome browser, does the required selection and fetches the data as a table, removes the header.

Data Output form - Displays the bot run status, requester name, Index and Type selection, the fetched table and provides a field to enter requester comment. Requester can click Exit, Export or Get new data button. Get new data button restarts the process run from NSE Get Dropdown List Bot.

Export Data Form - Displays folder path for data export with default value <C:\NSE Data Export>.

NSE Export Data Bot - Creates the export excel file in the predefined location with two sheets, Details sheet with the requester related values and Export sheet with the export data.

Export File Details Form - Displays the bot run status, and full path of the export excel file. The requester can either click Exit or Get new data button and the process proceeds accordingly. If user clicks Exit, the request is closed.

- Important variables used in the Initialize Bot –

VARIABLES:				
Variable Name	Type	Mandatory	Purpose	Value
sRootDirectoryOut	Text	Yes	Root directory where the Process related folders exist	C:\ProgramData\AutomationAnywhere\Bots\NSE Stock Insights
sTaskNameIn	Text	Yes	Task name where the initialize bot is called	Eg: GetDropDownList
sLogFolderOut	Text	Yes	Path where the log folder is created	\$\$RootDirectoryOut\$\Logs
sRunLogPathOut	Text	Yes	Path where the run log file is saved	\$\$LogFolderOut\$\RunLog_\$\$TaskNameIn_\$\$SystemVariablesPackage:CurrentDate_\$\$SystemVariablesPackage:CurrentHour\$\$SystemVariablesPackage:CurrentMinute\$\$SystemVariablesPackage:CurrentSecond\$.csv

- Important Output variable from NSE Data Extraction Process

OUTPUT VARIABLES:				
Variable Name	Type	Mandatory	Purpose	Example Output
sFilePathOut	Text	Yes	File path of extracted output excel file.	C:\NSE Data Export\Export_User_09-10-2021_135924.xlsx

4. Support & FAQs

4.1 Support

Free bots are not officially supported. You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on [APeople](#) – the [Bot Building Forum](#), the [Bot Store Support Forum](#), or the [Developers Everywhere Group](#).
- Automation Anywhere also provides a [Product Documentation portal](#) which can be accessed for more information about our products and guidance on [Automation 360](#).

4.2 FAQs

Q: Can I make changes to this process/bot?

A: Absolutely. Free process/bots are for you to make use of, customize, and/or include in your builds as you see fit.

Q: Can I upgrade the packages for this bot?

A: Yes – but know that the bot was created/tested on a specific package version. Any modifications to that may result in unexpected outcomes – so make sure to test the bot/subtask after making any package version modifications.

For questions relating to Automation 360: [See the Automation 360 FAQs](#).

Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1	<i>1.0.0</i>	<i>13-09-2021</i>	<i>Nitin Alex</i>	<i>Initial version of the process</i>

Appendix B: References

No.	Topic	Reference Link
1	Overview of Automation 360	Click here
2	Guidance: Building basic Automation 360 bots	Click here
3	Guidance: Building Automation 360 action packages	Click here
4	APeople Community Forum	Click here
5	Automation Anywhere University	Click here