



EasyInput release 5.X
New features

Browser Script for S4 HANA FIORI



Better debugging (step by step log)

Many minor improvements

Performance
improvements

Better Odata V4 integration

Better SAP GUI scripting descriptions

Integration with Robot Framework platform

ROBOT FRAMEWORK INTEGRATION

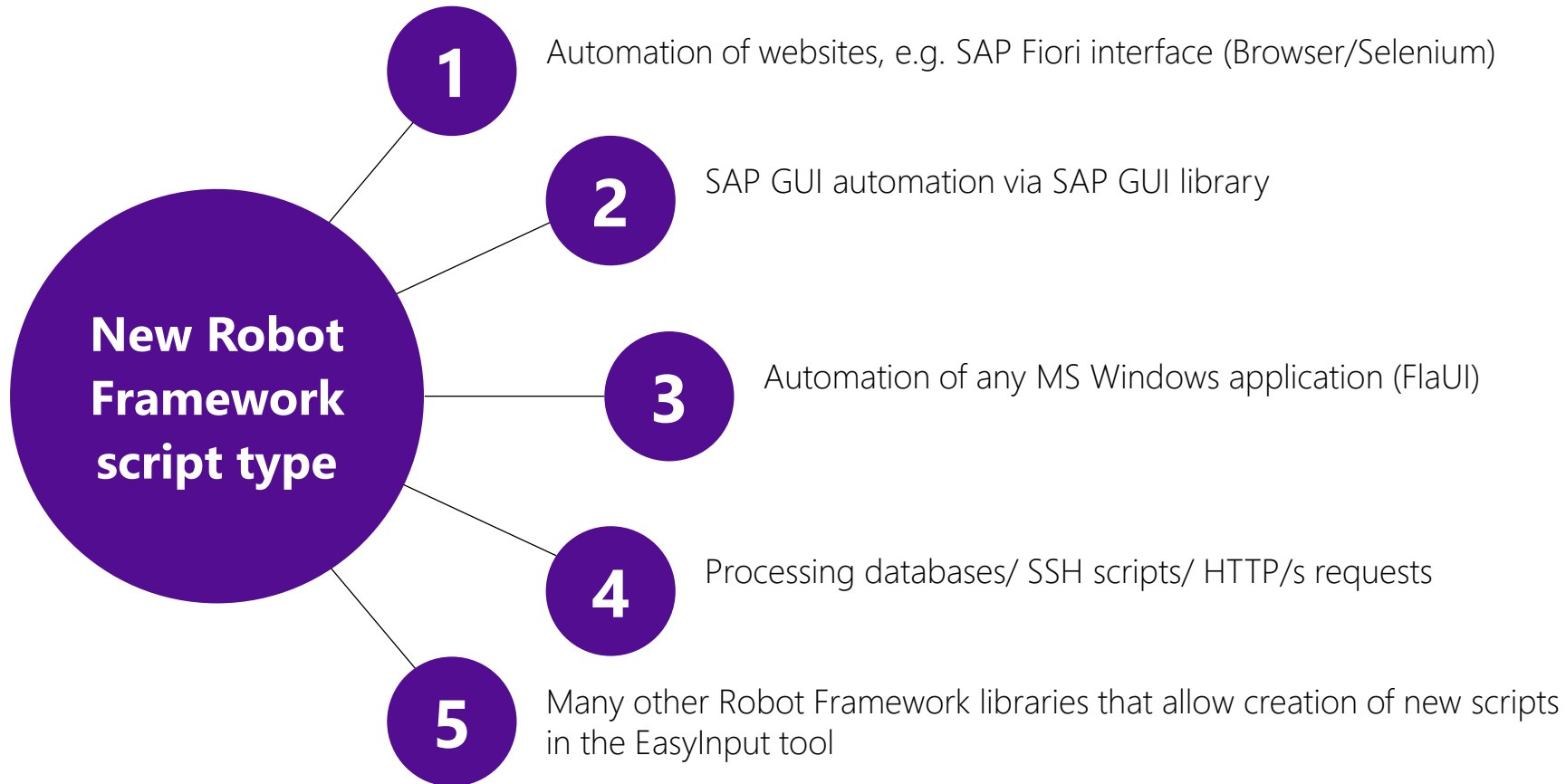
for **SCRIPT FLEXIBILITY**

Robot Framework is an open-source, generic automation framework designed for test automation and robotic process automation (RPA). This one script type opens doors to various use cases for EI. Here are some of Robot Framework key strengths:

Strength	Description
Keyword-Driven Processing/ Testing	Robot Framework uses a keyword-driven approach, making scripts easy to read and write. Keywords can be reused across multiple test cases, enhancing maintainability.
Extensibility	It supports extensions through libraries written in Python, Java, and other languages. This allows integration with various tools and technologies, such as Browser Library or Selenium for web testing/ RPA, Appium for mobile testing, and more.
Rich ecosystem	The framework has a rich ecosystem with numerous libraries and tools developed by the community. This includes libraries for database operations, SSH connections, REST API and more.
Easy integration	The framework can be easily integrated into continuous integration (CI) systems, thanks to its command-line interface and XML-based output files.
Human readable syntax	The syntax is human-friendly and versatile, making it accessible even to non-programmers. This promotes better collaboration between testers, developers, and business stakeholders.
Comprehensive reporting	Robot Framework generates detailed logs and reports in HTML format, making it easy to analyze test results and debug issues.



New EI scripts based on Robot Framework



SAP FIORI UI Automation



SAP Post General Journal Entries

Total Balance: 1,00 EUR

Header Attachments Notes Balances

Journal Entry Date: 14.05.2024
 Posting Date: 14.05.2024
 Period: 5
 Journal Entry Type: SA (G/L Account Document)

Company Code: 1010 (Company Code 1010 Walldorf)
 Transaction Currency: EUR (European Euro)
 Ledger Group: -
 Reference: REFERENCE TEST

Intercompany Transac:
 Partner Bus. Area: -
 Header Text: header text
 Translation Date: 14.05.2024

Show More

Line Items (4)

Line Item	Company Code	G/L Account	Debit	Currency	Credit	Currency
1	1010	65002000	1.000,00	EUR	0,00	EUR
2	1010	61003000	1.500,00	EUR	0,00	EUR
3	1010	65002000	1.001,00	EUR	0,00	EUR
4	1010	10010000				

More Details

Item Text: Line 4
 Reporting Ctry/Reg.:
 Quantity: 0,00
 Supplying Ctry/Reg.:
 Central Bk Payt Rsn:

Account Assignment

AutoSave OFF | EL_RF_Ex_Fiori_FIGL_Posting.xlsx

File Home Insert Draw Page Layout Formulas Data Review View Automate Developer Help EasyInput SAP Analytics Cloud

Process EasyInput script | Stop EasyInput script | Script name: FioriPostGLDocument | Run type: AE - Actual Run On Errors

EasyInput

Journal entry 100000138 (2024, 1010) saved

postGL: EasyInput actual run has ended. The number of transactions processed: 1 (0 with errors) / 25.09.2024 17:04:05 54H(400)

EasyInput - Data - Fiori Example - GL Posting

Test run		Actual run		Return	Header	Line Item													
Status	Messages	Status	Messages	Doc.No	Company	Posting da	Document	Document	Currency	Header tex	Account	Value Dt	Value Cr	Line item	tax Code	Cost center	Order	WBS elem	PC
OK		OK	Journal entry 100000138 (2024, 1010) saved	100000138	1010	14.05.2	14.05.2	SA	EUR	header text	6500200	1000		Line 1	VO	10101201			YB700
											6100300	1500		Line 2	VO	10101101			YB700
											6500200	1001		Line 3	VO	10101101			YB700
											10010000		3501	Line 4					

ExampleInfo | El_Logon | El_Data

SAP GUI Automation



Bank Skok do Dodatki Otoczenie System Pomoc

Zmiana banku : Ekran szczegółowy

Dokumenty zmian

Kraj banku Polska

Numer banku

Adres

InstFinans

Region

Ulica

Miejscowość

Filia banku

Dane sterowania

SWIFT/BIC

Grupa banków

BankPoczt-zyro

Kod banku

Excel window: E1_RF_Ex_GS_FI_BankViewChange3 - Excel

File Home Insert Draw Page Layout Formulas Data Review View Automate Developer Help EasyInput SAP Analytics Cloud

Wykonaj skrypt EasyInput Zatrzymaj skrypt EasyInput Skrypt Change_BankData Rodzaj wykonania TR - Przebieg testowy Pokaż/ukryj konfigurację Wyczyść komunikaty ostatniego przebiegu Chroni arkusz Sprawdź dane Pomoc EasyInput o EasyInput Informacje EasyInput

B11 Error

przetworzonych transakcji: 19 (1 z błędami) / 25.11.2024 15:42:48 BEP(100)

EasyInput - dane - Bank Data Maintenance

Przebieg testowy		Data Selection		Data Maintenance						
Status	Komunikaty	Kraj banku	Numer banku	Numer banku	Kraj banku	Numer banku	InstFinans	Region	Ulica	Miasto
OK		PL	10100000	10199999	PL	10100000	NBP Centrala - Departament Operacyjny - Rachunkowy	WLK	ul.Świętokrzyska 11/21	Warszawa 00-919
Error	Kraj PLX nie został zdefiniowany				PLX	10100055	NBP Centrala - B2BCollect Warszawa		ul.Świętokrzyska 11/21	Warszawa 00-919
OK					PL	10100068	NBP Centrala - NBPCollect		ul.Świętokrzyska 11/21	Warszawa 00-919
OK					PL	10101010	NBP O/Okr. w Warszawie		pl.Powstańców Warszawy 4	Warszawa 00-950

Robot Framework Error Analysis (Debugging)



FIO2: Przebieg testowy EasyInput zakończony. Liczba przetworzonych transakcji: 6 (1 z błędami) / 25.11.2024 16:21:41 BEP(100)			
Przebieg testowy		Przebieg rzeczywisty	
Status	Komunikaty	Status	Komunikaty
OK			
OK			
OK			
Error	Kraj PLX nie został zdefiniowany		
OK			
OK			



- Easily find errors thanks to **accurate logging** through the Robot Framework
- You can use the **screenshot** feature to remember the state of the screen when an error occurred

EI Script 20241125 163258 Log

Generated
20241125 16:33:01 UTC+01:00
1 minute 2 seconds ago

Task Statistics

Total Statistics	Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
All Tasks	1	0	1	0	00:00:02	0 / 1 / 0
Statistics by Tag	Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
No Tags						0 / 0 / 0
Statistics by Suite	Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
EI Script 20241125 163258	1	0	1	0	00:00:02	0 / 1 / 0

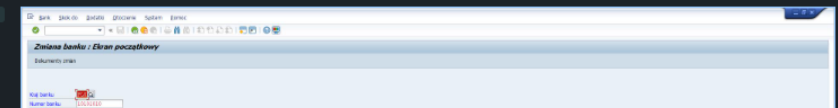
Task Execution Log

```
SUITE: EI Script 20241125 163258
Full Name: EI Script 20241125 163258
Documentation: Description Line 1 Description Line X
Source: C:\Users\A029213\Documents\RFScript\EI_Script_20241125_163258.robot
Start / End / Elapsed: 20241125 16:32:59.773 / 20241125 16:33:01.545 / 00:00:01.772
Status: 1 task total, 0 passed, 1 failed, 0 skipped

TASK: EI_Task
Full Name: EI Script 20241125 163258.EI_Task
Start / End / Elapsed: 20241125 16:32:59.931 / 20241125 16:33:01.545 / 00:00:01.614
Status: FAIL
Message: AssertionError

KEYWORD: EI Errors Initialize
KEYWORD: ${gv_EI_terror} = builtin.Set Variable False

TRY
Start / End / Elapsed: 20241125 16:32:59.931 / 20241125 16:33:01.439 / 00:00:01.508
KEYWORD: ${gv_EI_SapGuiLib} = builtin.Get Library Instance SapGuiLibrary
KEYWORD: EI Log In ${gv_EI_sap_logon_path} ${gv_EI_sap_connection} ${gv_EI_sap_user} ${gv_EI_sap_pass} ${gv_EI_sap_lang} ${gv_EI_sap_client}
KEYWORD: SapGuiLibrary.Maximize Window 0
KEYWORD: SapGuiLibrary.Run Transaction /nFIO2
KEYWORD: SapGuiLibrary.Input Text wnd[0]/usr/cbxBNKA-BANKS PLX
KEYWORD: SapGuiLibrary.Input Text wnd[0]/usr/cbxBNKA-BANKL 10101010
KEYWORD: SapGuiLibrary.Send Vkey 0 0
KEYWORD: ${gv_EI_terror} = EI Errors Read
Start / End / Elapsed: 20241125 16:33:01.262 / 20241125 16:33:01.437 / 00:00:00.175
KEYWORD: builtin.Set Local Variable ${waserror} ${gv_EI_terror}
KEYWORD: ${lv_EI_SapGuiL} = builtin.Get Library Instance SapGuiLibrary
TRY
EXCEPT
IF '${mess_type}' == 'X' or '${mess_type}' == 'E'
Start / End / Elapsed: 20241125 16:33:01.262 / 20241125 16:33:01.420 / 00:00:00.128
KEYWORD: builtin.Set Global Variable ${gv_EI_terror} True
KEYWORD: SapGuiLibrary.Take Screenshot
Documentation: Takes a screenshot, only if 'screenshots on error' has been enabled, either at import of with keyword 'enable screenshots on error'.
Start / End / Elapsed: 20241125 16:33:01.262 / 20241125 16:33:01.420 / 00:00:00.128
16:33:01.420 INFO
```



Improved OData V4 search



The screenshot displays the 'OData request parameters' tool interface. The 'OData service type' is set to 'SAP' and 'OData service version' is 'V4'. The 'HTTP Method' is 'GET'. The 'Request URI' section includes fields for Hostname, Service root path, OData Service, and Resource path. A purple callout bubble with the text 'Click' points to the 'Find Service' button. The 'HTTP Request' section shows a query 'Call GET query to test service' and a 'No of records' dropdown set to '3'. A 'Pomoc wyszukiwania' (Search help) dialog is open, displaying a table of search results.

C_RepositoryId	C_ServiceId	C_ServiceVersion	C_ServiceType	C_Is
CDI_CDS	I_CNSLDTNCOSTCENTERHIERARCHY	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERHIERARCHY\$2	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERHIERNODE	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERHIERNODE\$2	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERHIERNODEET	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERHIERNODEET\$2	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERHIERTXT	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERHIERTXT\$2	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERT	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOSTCENTERT\$2	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOUNTRY	0001	WEB_API	False
CDI_CDS	I_CNSLDTNCOUNTRY\$2	0001	WEB_API	False



More flexible assignment of script lines to data

Ability to assign data to a script line that does not use this data (no && symbol).
This allows you to skip a line if there is a skip character in the data (e.g., no data).

Ability to ReadData only into script sheet, without reading data to data sheet (no entry in the read/write column).

Funkcja skryptu	Typ	Wartość pola	Opis pola	Typ transferu	Kolumna odczytu/zap
Fill Text //input[@id="selector"] Staly tekst				WriteData	AB
\${ReadData} = Get Text //input[@id="fin.co.costcenter.manage.v2::sap.suite.ui.generic.template.ObjectPage.view.Details::C_CostCenter--GeneralInformation1::CostCtrRespon				ReadData	



Many other MINOR
IMPROVEMENTS

Thank you!

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one idea ahead