



Locale Package

Readme

Version 1.0.8

19/10/2021

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1. Introduction

This document contains all essential information for the user to make full use of this **Automation 360 Locale Package**. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the **Automation 360 Locale Package**.

1.1 Overview

With the package actions you can build bots that convert Strings into Date variables or convert Strings into Number variables based on language settings.

1.2 Use cases

The key use cases include:

- Convert Date Strings from one language to another one
- Convert Strings that contain numbers in a local format into a Date variable
- Get Date variables from Strings

2. Requirements & Prerequisites

2.1 System Requirements

- Enterprise Automation 360.22+

2.2 Prerequisites

- None

3. Getting Started

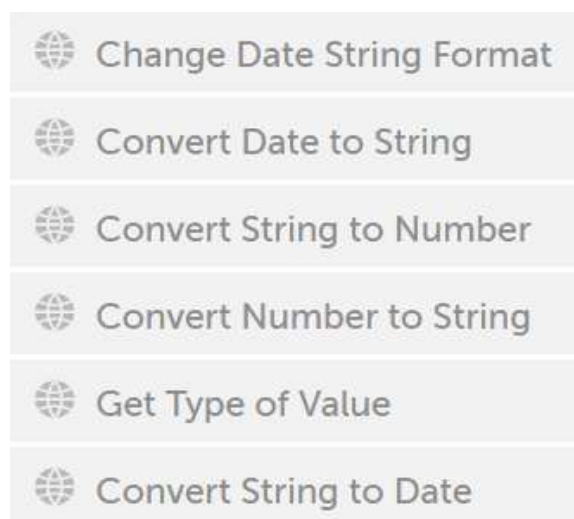
3.1 Quick Start

3.1.1 Setup

Import the Automation 360 Locale Package in the Control Room under Bots->Packages

3.1.2 Configuration and Use

The package contains the following command actions



Name	Description	Parameter	
Convert String to Date	Converts a String to a Date	Date String	String that contains the date
		Source Format	Format of the date, e.g. dd.MM.yyyy
		Locale	Locale of the date, e.g. en
		Date	Date as Date variable
Convert Date to String	Converts a Date to a String	Date	Date as Date variable
		Target Format	Format of the String, e.g. dd.MM.yyyy
		Locale	Locale of the String, e.g. fr
		Date String	Date as String variable

Convert String to Number	Converts a local String to a Number	Number String	String that contains local number
		Locale	Locale of the String, e.g. en
		Number String	Converted number
Convert Number to String	Converts a Number to a local String	Number	Number value
		Locale	Locale of the resulting string , e.g. en
		Enter minimum number of digits after decimal (optional)	Minimum number of digits. e.g. "4" and a number "14.2" becomes a string "14.2000"
		Enter maximum number of digits after decimal (optional)	Maximum number of digits. e.g. "2" and a number "14.2121" becomes a string "14.21"
		Number String	String that contains the local number
Change Date String Format	Changes the Date Format of String	Date String	Date as String variable
		Source Format	Format of the date, e.g. dd.MM.yyyy
		Source Locale	Locale of the date, e.g. de
		Target Format	Format of the String, e.g. dd.MM.yyyy
		Target Locale	Locale of the String, e.g. es
		New Date String	Date as String variable
Get Type of Value	Get Type of Value	Variable	Variable with a Value
		Type	Type of variable

3.1.3 Sample

▶ Run ⚙ Debug 📊 Analyze

List Dual

Converts String to Date
Converts String to Date

Converts Date to String
Converts Date to String

Changes Date String ...
Changes Date String Format

Locale: Changes Date String Format

Changes the Date Format of String

Date String
" Thu,2 Aug 2001

Source Format
" "EEE,dd MMM yyyy

Source Locale
" "en

Target Format
" "am' EEEE, 'den' dd.'" MMM yyyy

Target Locale
" "de

New Date String
prompt-assignment - String

3.1.4 Formats

The Date format actions use the Java class `DateTimeFormatter`

All letters 'A' to 'Z' and 'a' to 'z' are reserved as pattern letters. The following pattern letters are defined:

Symbol	Meaning	Presentation	Examples
-----	-----	-----	-----
G	era	text	AD; Anno Domini; A
u	year	year	2004; 04
y	year-of-era	year	2004; 04
D	day-of-year	number	189
M/L	month-of-year	number/text	7; 07; Jul; July; J
d	day-of-month	number	10
Q/q	quarter-of-year	number/text	3; 03; Q3; 3rd
Y	week-based-year	year	1996; 96

w	week-of-week-based-year	number	27
W	week-of-month	number	4
E	day-of-week	text	Tue; Tuesday; T
F	week-of-month	number	3
a	am-pm-of-day	text	PM
h	clock-hour-of-am-pm (1-12)	number	12
K	hour-of-am-pm (0-11)	number	0
k	clock-hour-of-am-pm (1-24)	number	0
H	hour-of-day (0-23)	number	0
m	minute-of-hour	number	30
s	second-of-minute	number	55
S	fraction-of-second	fraction	978
A	milli-of-day	number	1234
n	nano-of-second	number	987654321
N	nano-of-day	number	1234000000
V	time-zone ID	zone-id	America/Los_Angeles
z	time-zone name	zone-name	PST
O	localized zone-offset	offset-O	GMT+8; GMT+08:00
X	zone-offset 'Z' for zero	offset-X	Z; -08; -0830;
x	zone-offset	offset-x	+0000; -08; -0830; -
Z	zone-offset	offset-Z	+0000; -0800

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 [Enterprise Automation 360](#).

4.2 FAQs

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

Appendix A: Record of Changes

Instructions: Provide information on the version number, the date of the version, the author/owner of the version, and a brief description of the reason for creating the revised version.

No.	Version Number	Date of Change	Author	Notes
1	1.0.5	07/08/2020	Stefan Karsten	Initial version
2	1.0.7	07/09/2021	Stefan Karsten	New actions
3	1.0.8	19/10/2021	Stefan Karsten	Added two new parameters to "Convert Number to String"

Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise 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