ProTech Professional Technical Services, Inc.

Automate Anywhere: Robotic Process Automation

Course Summary

Description

Automate Anywhere: Robotic Process Automation is a comprehensive, hands-on course that provides concrete information on the design of RPA bots.

Objectives

At the end of this course, students will be able to:

- Identify and prioritize business processes for automation
- Build bots that interact with multiple applications

Topics

- Automation Anywhere Introduction
- Automation Anywhere Client & Bot Creator
- Command Library
- Web Control Room and Advanced Features

Audience

The targeted audience for this course is business users who will be users of AA. A development background is helpful for the advanced features.

Prerequisites

Students should have familiar with: Basic understanding of Office Products, and knowledge of a programming language desired

Duration

Five days

Course Outline

I. *Automation Anywhere Introduction*
   A. Automation Anywhere Introduction
      1. What is RPA?
      2. How RPA and AA Works?
      3. Processes Suitable for RPA and AA
      4. RPA Market Size and Growth
      5. RPA Development Skills
   B. RPA and AI
      1. AI Technologies and RPA
      2. Digital Workforce
   C. RPA Benefits and Use Cases
      1. Benefits of RPA
      2. Use Cases
   D. RPA Products
      1. RPA Products
      2. Leadership Positions
      3. Product Selection Criteria
   E. Introduction to Automation Anywhere
      1. Introduction
      2. Infrastructure
      3. Automation Anywhere Architecture
      4. Set up and Installation
      5. Development methodology/process and the documentation
   F. Dashboard and Task Editor
      1. Client registration with Control Room
      2. Features of Task Editor
      3. Different sections in AA Tool

II. *Automation Anywhere Client & Bot Creator*
   A. Automation Anywhere Client Introduction
   B. Type of Bots
      1. Task Bots
      2. Meta Bots
      3. IQ Bots
   C. Bot Creator
      1. Introduction
      2. Recorders a. Smart / Object Recorder
   D. Screen Recorder
      1. Web Recorder
      2. Web and Desktop applications
      3. Task Editor
      4. Task Creation
      5. Variables

      6. Command Library
   E. Types of Automation
      1. UI layer or Regular Automation a.
      2. Majorly tool Talks and suits web application
      3. Surface automation a. Non-integrated
      4. windows/ERP/web applications

III. *Command Library*
   A. Commands
   B. Loop
   C. Working with Excel
   D. Database
      1. Working with SQL Server
      2. Table variables, join data tables
   E. String Operation
   F. XML
   G. Terminal Emulator
   H. PDF Integration
      1. PDF documents (structured and unstructured data)
      2. Pattern based data extraction
   I. FTP
      1. FTP/SFTP
   J. PGP: Security types i.e. Passphrase, Public key
   K. mechanism
   L. Object Cloning
   M. Error Handling
   N. App Integration: The use of the command
   O. and when/where it fit and works
   P. Active Directory
   Q. Citrix Automation
   R. Clipboard
   S. Email Automation
      1. Email including automated reply
   T. Files and Folders Handling Mechanism
   U. IF condition
   V. Image recognition
   W. Insert Keystrokes
   X. Insert Mouse Click, Move, Scroll
   Y. Web APIs

Course Outline (cont'd)

IV. Command Library
- A. Internet Connection
- B. Launch Website
- C. Log to File
- D. Manage Windows Controls
- E. Message Box
- F. OCR

- G. Open Program/file
- H. Forms and Interactive Forms
  1. Reading Form Fields
- I. Printers
- J. Prompt Mechanism
- K. Read from CSV / Text: Different and benefit of this Command from Excel command
- L. Run Scripts
- M. Calling Scripts and Capturing output
- N. Screen Capture
- O. Services
- P. System command Features
- Q. Task Command
- R. Run Task: Sub Task Calling
- S. Mapping Variable
  1. Variable Command
  2. Wait and Delay
  3. Web Actions/Recording
  4. REST and SOAP web services
  5. Window Actions

V. Web Control Room and Advanced Features
- A. Web Control Room
  1. Introduction
  2. Features Panel
  3. Dashboard (Home, Bots, Devices, Audit Workload, Insights)
  4. Activity (View Tasks in Progress and Scheduled Tasks)
  5. Bots (View Bots Uploaded and redentials)
  6. Devices (View Development and Runtime Clients and Device Pools)
  7. Workload (Queues and SLA Calculator)
  8. Audit Log (View Activities Logged which are associated with Web CR)
  9. Administration (Configure Settings, Users, Roles, License and Migration)

  10. Credentials and Lockers
- B. Manage Windows Control Command
- C. Workflow Designer
- D. Report Designer
- E. Best Practices
- F. MetaBot
  1. Introduction
  2. MetaBot Designer
- G. IQ Bot
- H. Bot Insight
  1. Introduction
  2. Transactional Analytics
- I. Operational Analytics