ROBOTIC PROCESS AUTOMATION CHEAT SHEET

RPA BASICS

RPA

RPA is a **Robotic Process Automation** which is used for automating the current workflows with the help of robots to reduce human intervention at every point
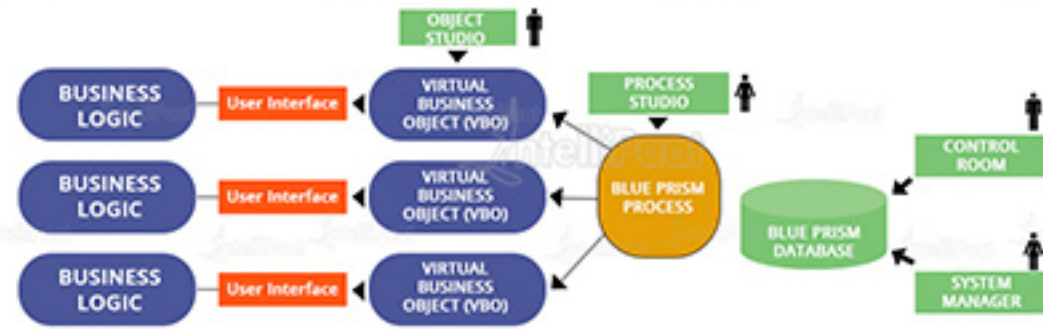
Robotic: Machines that mimics the human activities and actions are called as robots

Process: Sequence of steps which is used to perform a particular task

Automation: Any process which is done by robot without any human intervention and provides high degree of accuracy

BluePrism

It is built with a simple concept by replicating user activity. SQL Server is the tool where data is stored
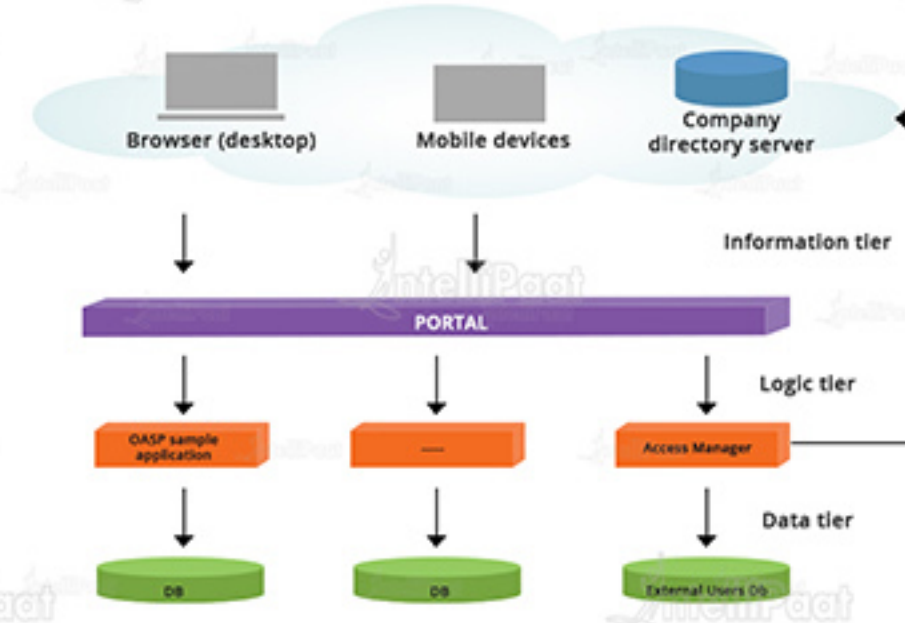

Automation Anywhere

The architecture consists of client, bots and control room. Automation Anywhere is a software designed to virtually automate any computer process. SQL express is a tool where data is stored.

Ui Path

It is a simple software automation and application integration expert.
UiPath consists of three parts

- UiPath studio
- UiPath robots
- UiPath orchestrator

Benefits of using RPA

- **Reduces burden on IT:** It does not disturb underlying legacy systems

- **Reliability:** As the bots can work 24*7 effectively

- **Cost cutting technology:** It reduces the costs by reducing the size of manual workforce

- **No coding required:** To use RPA tools, a person need not have the programming skills

- **Accuracy:** It functions with accuracy and is less prone to errors

- **Productivity rate:** Execution time is much faster than the manual process approach

- **Compliance:** It follows the rules to provide audit free trail

- **Consistency:** Repetitive tasks are performed in the same way

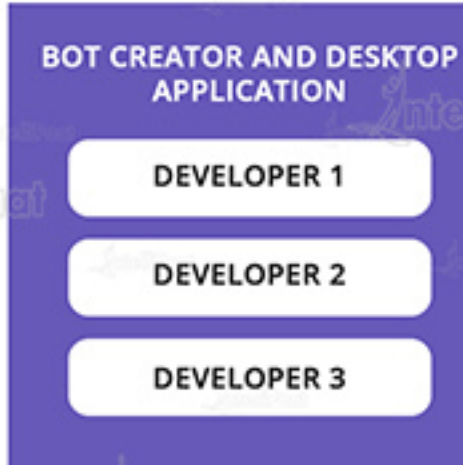- **Increase employee engagement:** It lets the employee to focus on value-added activities

Applications of RPA

- It is used in customer service, to automate service order management and quality reporting

- Travel and logistics: for ticket booking, passenger details and accounting

- Human Resource: New employees joining formalities, payroll process and hiring shortlisted candidates

- Health care: In patient registrations and billing

- Banking and Financial services: It can be used for card activation and fraud claims and discovery

- Government: Change of address and license renewal

FURTHERMORE:
RPA Training using UiPath

VENDOR	Free Version	Pricing	Usability	Global Coverage
Another Monday	----	----	----	Europe
AntWorks	----	----	----	----
Arago	----	----	----	----
Automation Anywhere	----	Per Process	Drag & Drop, Macro Recording	Global
BluePrism	----	Per bot	Drag & Drop	----
Contextor	----	Per bot	Drag & Drop	EMEA & North America
Jidoka	----	----	----	----
Kofax	----	----	----	Global
Kryon Systems	----	----	----	----
Nice systems	----	----	----	Global
Pega	----	----	----	Global
Redwood software	----	----	----	----
UiPath	UiPath Community Edition	Per bot	Drag & Drop, Macro Recording	Global
Visual Cron	45 day free trial	Per server	Drag & Drop	----
WorkFusion	WorkFusion RPA Express	Per process	Drag & Drop, Macro Recording	Global

BOT CREATOR AND DESKTOP APPLICATION

- DEVELOPER 1
- DEVELOPER 2
- DEVELOPER 3

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CONTROL ROOM

- User Management
- Source Control
- Dashboard
- License Management

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BOT RUNNER

- BOT 1
- BOT 2
- BOT 3

RPA Tool Factors

- **Technology:** Many organizations perform the tasks outside the local system using Virtual Machines or Citrix. Hence, the tool must be platform independent and support any type of application

- **Scalability:** How quickly and easily the tool responds to the business requirements

- **Security:** Implementations of security controls must be measured

- **Total Cost:** The initial set-up cost, vendor license fee, maintenance cost must be taken into consideration while selecting the tool

- **Ease of use and control:** The tool must be user friendly to increase the efficiency and employee satisfaction

- **Vendor Experience:** It improves the speed of implementation by reducing the work required to implement RPA software

- **Maintenance and support:** To make sure that the required service level agreements are met

- **Quick Deployment:** The tool must be able to work as a real end-user by interacting with applications