**CONTROL ROOM & BOTS**

**AUTOMATION ANYWHERE CONTROL ROOM ARCHITETURE**

It is consist of 3 components

* Bot creators
* Bot runners
* Control room

**Bot creators** : bot creators used to create bots. these are **desktop based application** whose sole is to upload or download bots and connect them to the control room.

Also multiple **users can create** **bots** which are created and configurated for the control room.

**Bot Runners** : it are responsible to run or execute the scheduled bots.

Multiple **executed in parallel** but the bot runners cannot update or create automation.

This component of the automation anywhere is also **connected to the control room** and has the ability to report back the execution log status to the control room.

**Control Room**: It is the most important of the architecture .It is a web server that basically control the bots created by the creators.

Features are

* Centralised user management
* Automation deployment
* Provides dashboard
* Source control

**Components of Automation Anywhere**

1. Dashboard
2. Activity
3. Bots
4. Workload
5. Devices
6. Audit log
7. Administrator

**Dashboard**

* **Home** : it features that control the various parameters.
* **Bots** :it control by bot heart beat,mvpbots,bot status, top failure reasons.
* **Devices**: it focus the hdd utilisation, memory utilisation, device utilisation, cpu utilisation.
* **Workload** : it have two workloads

**Execution dashboard** :It have queue status and queue with avg processing time, waiting time.

**Operation manager dashboard**: It device pools by FTE. pools by decreasing error rate. device pools by backing.

* **Insights :** it contains real time business and digital work force.
* **Audit dashboard:** it contains different activity, actions.

**Activity**

* **In process :** it check the status of activity currently executed.
* **Scheduled :** it check all the details of the activity which scheduled to execute time later.
* **Historical :** check the details of the activity which scheduled completed, finish, stop or time down.

**Bots**

It is the activity is created uploaded.

* **My bots :** It include name,client size etc.
* **Credential :** It include my credential my lockers, credential requests.

**Devices**

It basically displays whether the user logged to client UI on the device or not.

* **My device**
* **My device pool**

**Workload**

It basically display the queues of details Qnames, automation name.

**Audit log**

It keep put crack of the all the actions perform by the various users.

**Administration**

It is only seen when you install the control room using the enter prise edition.

* Settings: it include configuration process.
* Users: it basically use to create users various ways.
* Roles :it uses predefined roles.
* Licenses: it include product and device license.

**AUTOMATION ANYWHERE BOTS**

What are bots?

Bots are entities which mimic human actions and used to perform simple and repetitive tasks.

It is classified into two types

1. **Attended bots**
2. **Unattended bots**

**Attended bots :**

* Handles task for an individual user
* Employees direct a bot to perform an task
* User can trigger a bot at any time

**Unattended bots :**

* Automation back office processes
* Bot complete without any human intervention
* These bots complete processors as per a predetermined schedule

**Types of bots in automation anywhere**

These are mainly three type bots

* Task bots
* Meta bots
* IQ bots

**Task bots**

* The core of automation
* Execute repetitive rule based tasks
* Easier to build and resilent to change
* Execute multi step precesses with no errors

**Meta bots**

* Application API’s :Capable of integrating dynamic link library(DLL) that can be used for end automation.
* Visual captures : Includes GUI components which are to used for front end automation.
* Integration flow : Maximises multilevel integration and automate processes along with task bots.

**IQ Bots**

* IQ bots use cognitive capabilities to extract information from semi and unstructured data
* IQ bots also learn to detect patterns, so that the next time the pattern is encountered the bot knows extracts what to do.
* IQ bots learn and grows smarter with every human validation.

**Products of Automation Anywhere**

* **BOT INSIGHT**
* **BOT FARM**
* **BOT STORE**

**Bot insight :** it consist of embedded analytics that measures and predicts how bots and the business are performing.

**Bot farm** : it is industry’s first RPA-as-a-services platform.it delivers on-demand RPA.

**Bot store** : it is a market place for bots. you can shop from a variety of ready to deploy bots as per your requirements.