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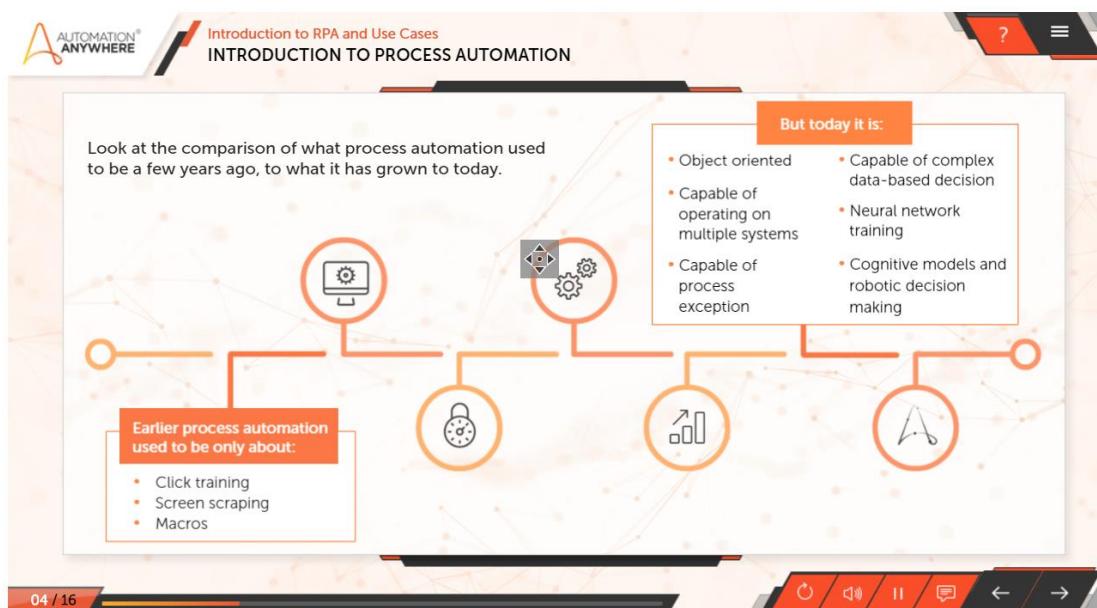
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1.Automation Anywhere Overview:

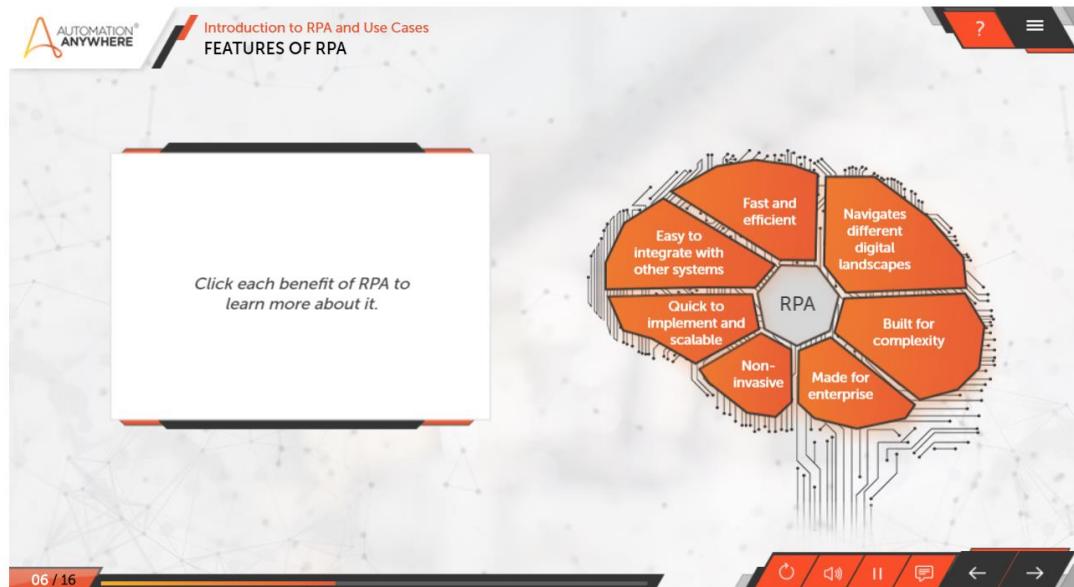
1. Introduktion to RPA Use cases
2. Introduktion to Automation Anywhere Enterprise platform
3. Advanced features and capabilities: task bot
4. Advanced features and capabilities IQ bot
5. Advanced features and capabilities Meta bot
6. Advanced additional features and capabilities of enterprise platform
7. Course summary and assessment

2. RPA Use cases

Its helps to reduced cost and improve productivity.



3. Features of RPA



3.1 Fast and efficient

1. Drag and drop
2. Clear friendly interface
3. Wizards

3.2 Navigate different digital landscapes

1. Differences in screen sizes

3.3 Quick to implement and scalable

1. Automate process in minutes
2. Rapid adoption throughout an organization – Business and IT users

3.4 Easy to integrate with other systems

1. SAP
2. Citrix
3. ERP
4. Cloud and Web applications
5. Microsoft

3.5 Build for complexity

Designed to complete complex process

3.6 Non invasive

Integrates on the front end

3.7 Made for enterprise

Best used when deployed throughout an enterprise
Enables multiple departments to focus on value added work

4. Benefits of RPA

4.1 Decreased Cycle times and improved throughput

RPA can save 20 to 50% cost savings
As little as 1/3rd the price of an offshore FTE
As little as 1/5th the price of an onshore FTE

4.2 Detailed data capture

Process can be monitored and recorded at every step
Produces valuable data and an audit trail
Supports further process improvements
Helps with regulatory compliance

4.3 Increased employee morale

One bot can do the work of 3-5 FTE's
Employee relieved of mundane process; refocus on more rewarding activities

4.4 Improved accuracy

Reduced human intervention and improved accuracy

4.5 Flexible and scalable

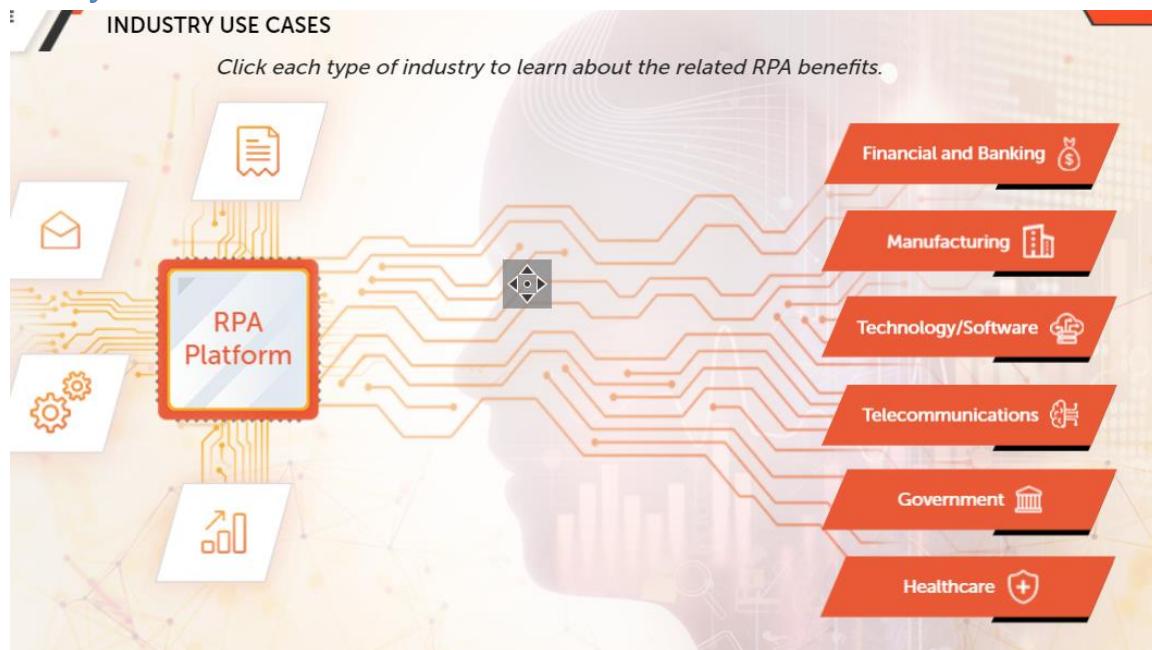
Scheduled for a particular time
Quickly deployed to perform process of any complexity, increase flexibility and scalability

5. Identify Process suitable for RPA

Checklist to identify processes suitable for RPA



5.1 Industry Benefits



5.1.1 Financial and Banking

- Data Validations

- Report creation
- Data migration between banking applications and customer account management

5.1.2 Manufacturing

- ERP
- Logistics Data
- Data Monitoring
- Product pricing comparisons

5.1.3 Technology/Software

- Hardware and Software testing for functional load and mobile performance
- Application integration

5.1.4 Telecommunications

- Collect and consolidate data from client phone systems
- Back up information from client systems
- Upload data
- Extract competitor pricing data
- Phone manufacturing information

5.1.5 Governments

- Reduce time in populating subcontractors forms
- Verification process
- Integrate legacy systems with new systems
- Automate daily reports

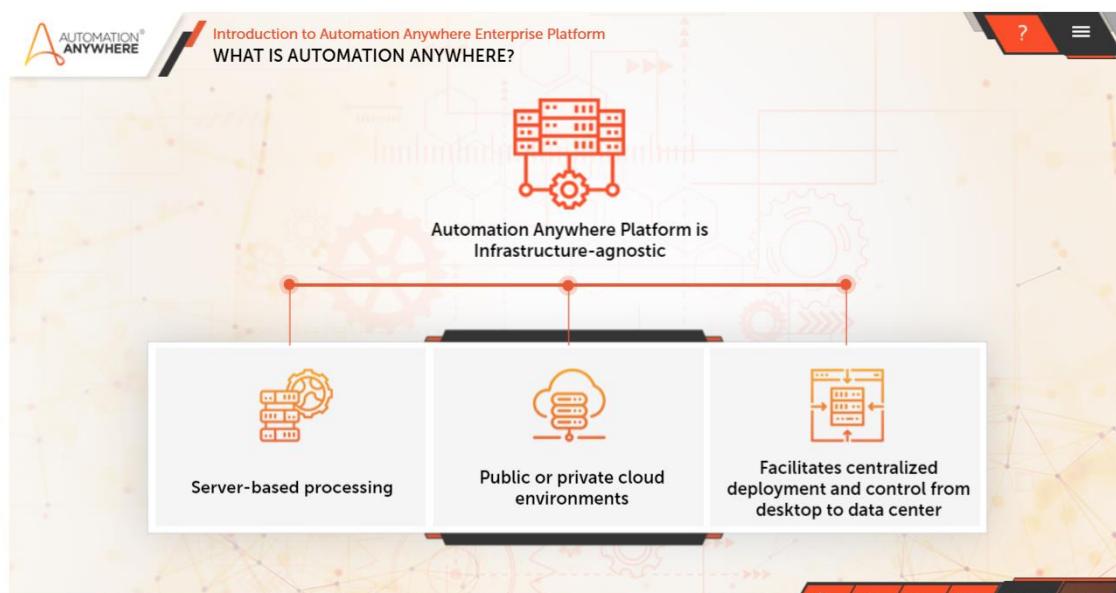
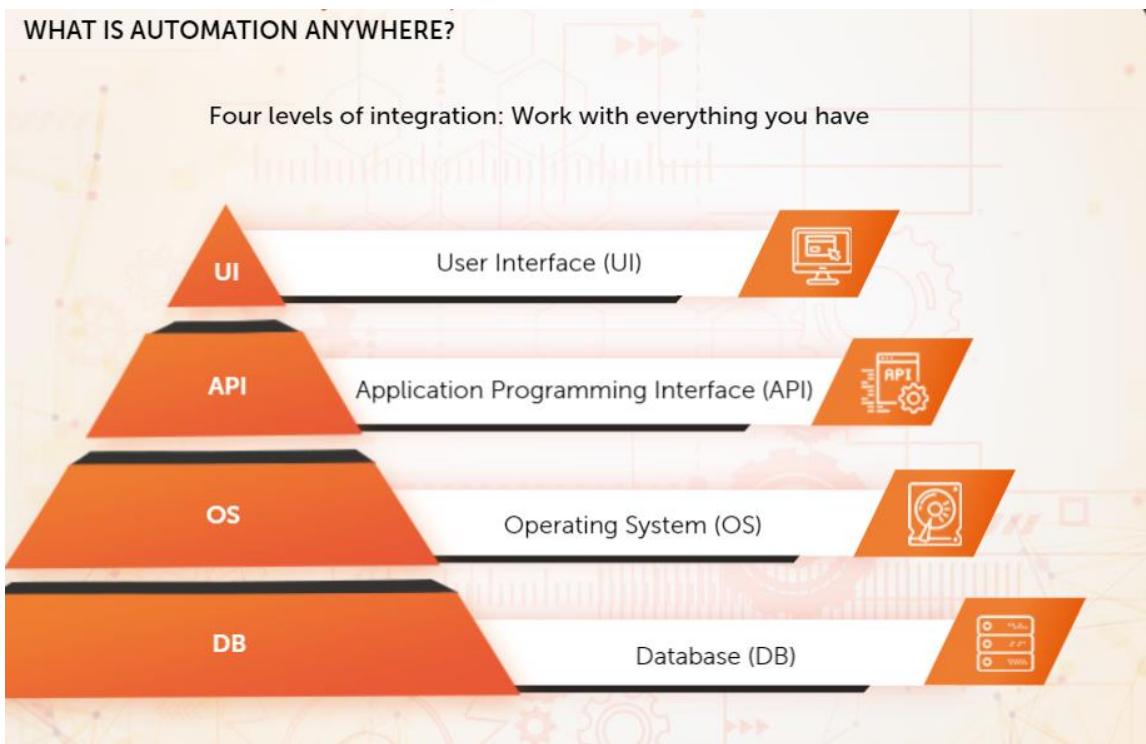
5.1.6 Healthcare

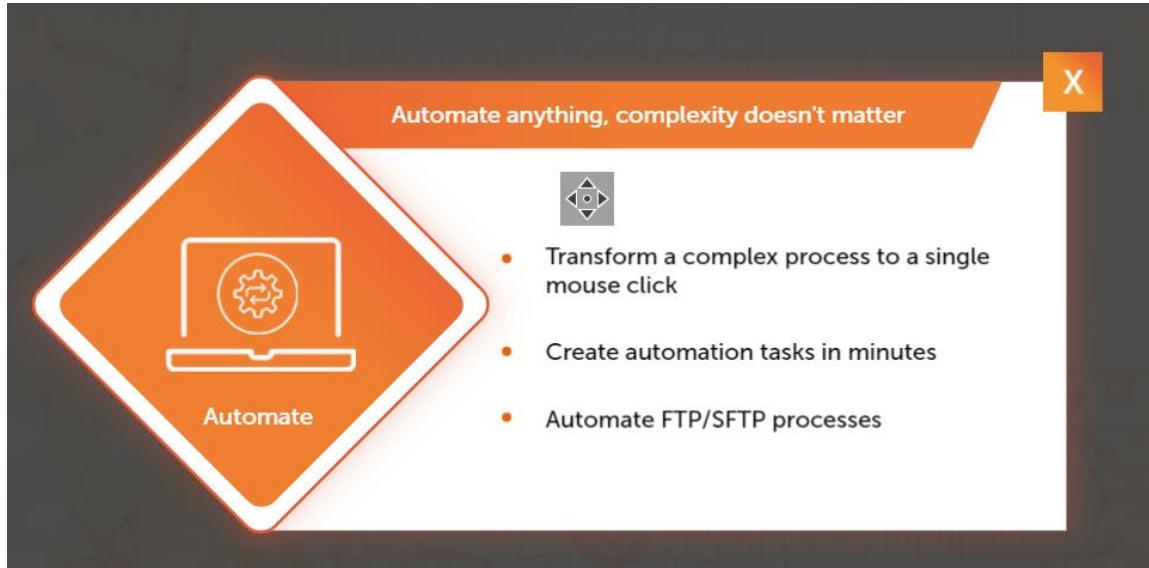
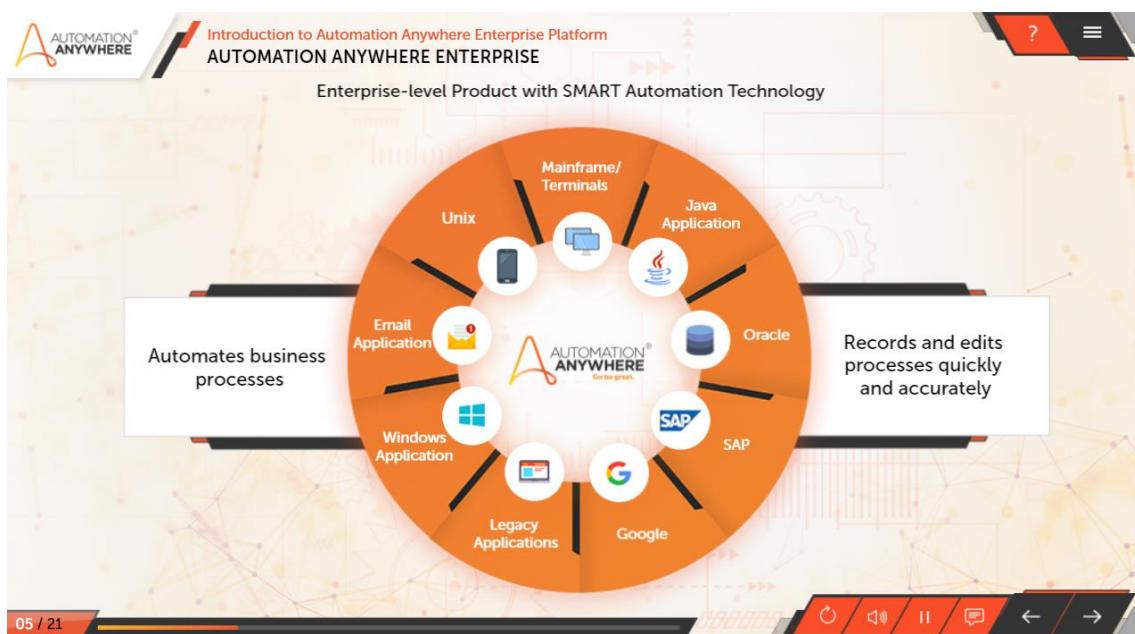
- Migrate and process patient data
- Report for doctors
- Process medical bills
- Automate insurance data and process claim
- Trigger emails from medical billing systems
- Automate claim status and eligibility
- Store patient record

-  RPA is a way to automate repetitive and often rule-based processes
-  RPA records actions a human does to complete a computer-based process
-  Processes performed by a Bot can be monitored and recorded at every step, producing valuable data and an audit trail
-  RPA supply processing capacity to meet demand that is spiky or cyclical in nature
-  Processes which are rule-based and independent of human judgement are suitable for RPA



6. Why automation anywhere





Centralized control, distribution, and analysis

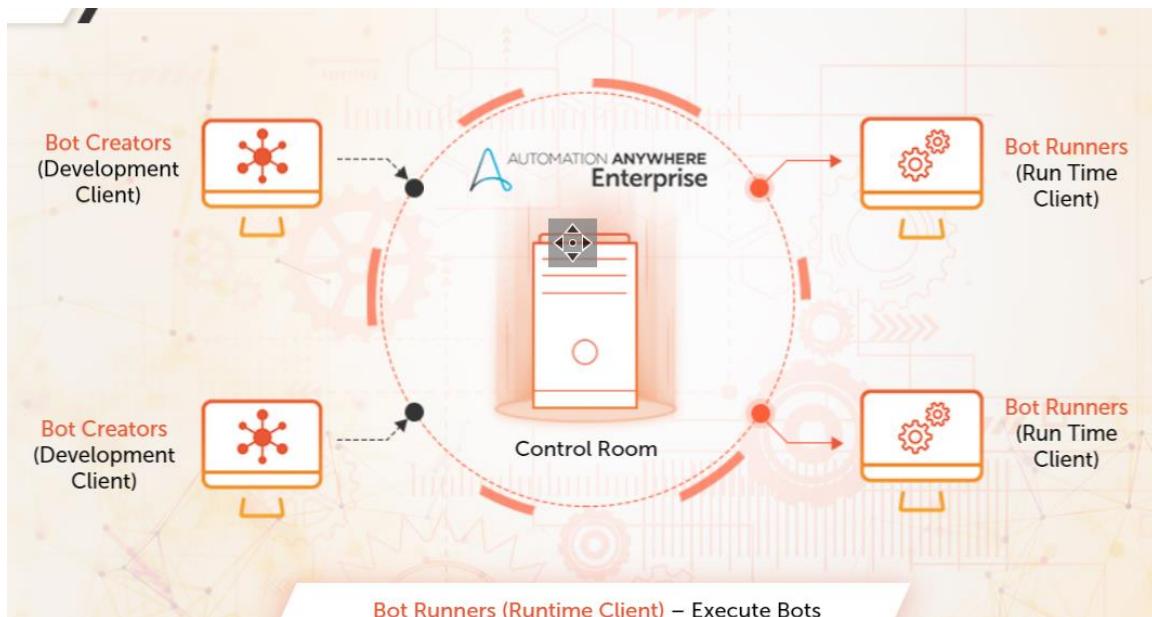
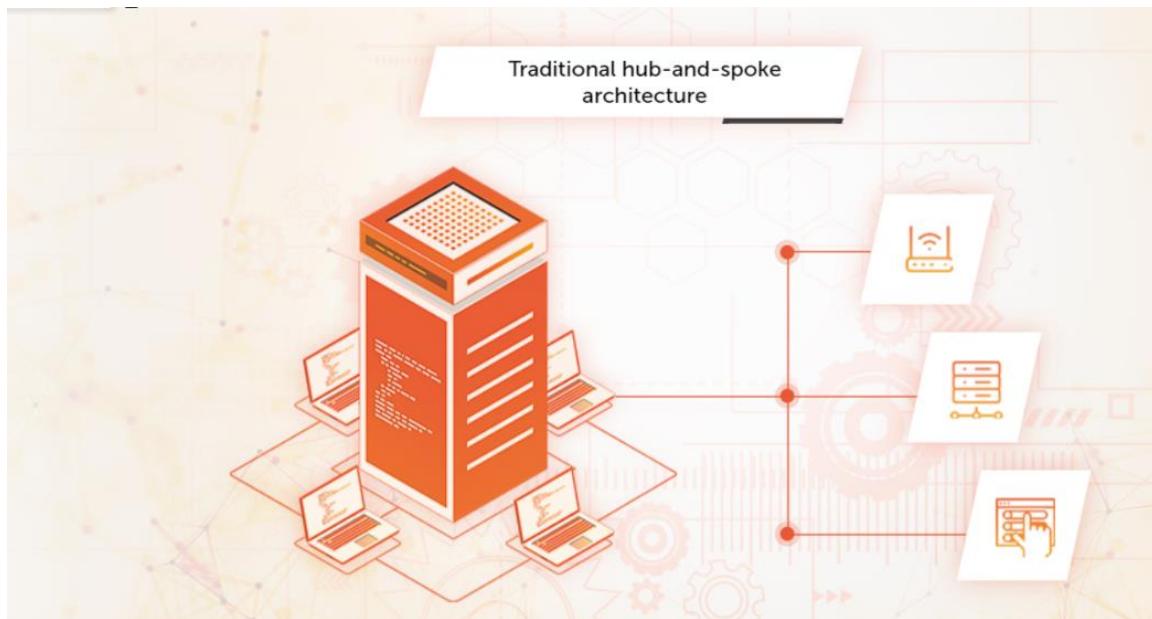


- Run scheduled tasks even when computer is locked
- Easily manage automated processes
- Easily manage automation users with a scalable server
- Maintain centralized systems for backup, security, and resource

Visually document any process with the click of a button



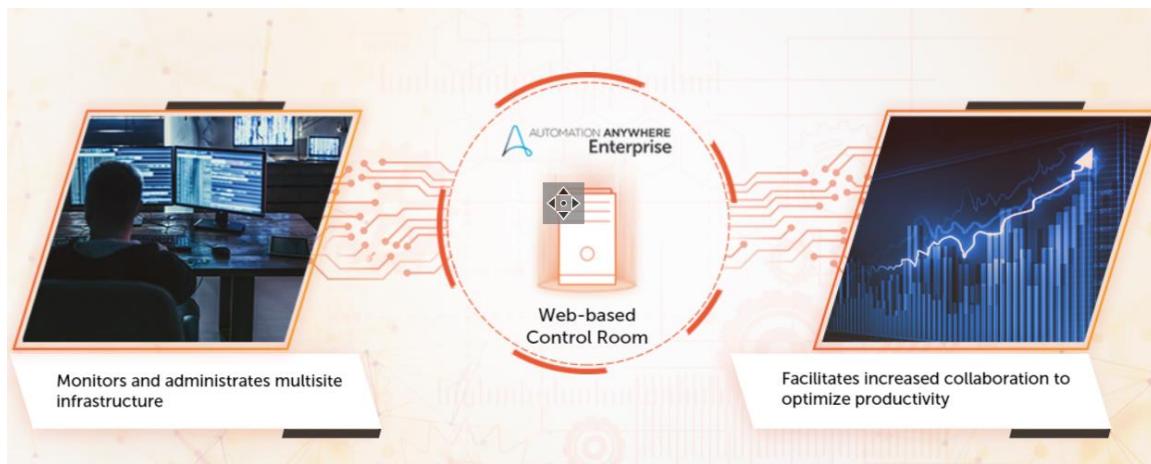
- Automate scripts that exists in disparate formats
- Capture and reuse automated processes in a central repository
- Schedule and execute batch data processing with ease



The screenshot shows the 'Control Room' section of the Automation Anywhere Enterprise Platform. On the left, a sidebar menu includes 'DASHBOARDS' (Home, Bots, Devices, Audit, Workload, Insights), 'ACTIVITY' (Audit Log), and 'BOTS' (Devices). The main area displays several dashboards:

- Home Dashboard:** Shows a large yellow circle with 'live | 6.00 (100%)' and a bar chart titled 'Bot Run Status (Last 7 Days)' with a single bar at 10 labeled 'STOPPED'.
- Total Users:** A circular gauge showing 100%.
- Total Bot Schedules (NEXT 7 DAYS):** Shows 0 Volume.
- Total Queues:** Shows 1 Volume.
- Bot Velocity:** A line chart with two series: 'Volume' (blue) and 'Line' (orange).

A banner at the bottom states 'Exclusive graphical insight'. The bottom navigation bar includes icons for search, refresh, and navigation.





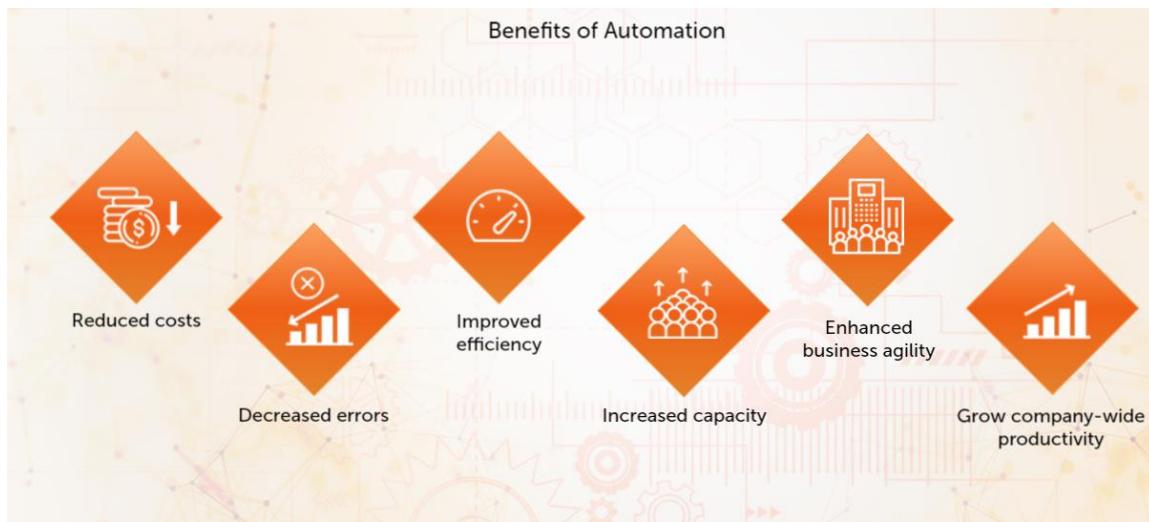
6.1 Unique Features

Some of the unique features are:

- Auto-calibration Technology
- Artificially Intelligent Technology
- Cognitive Capabilities and Analytics
- Natural Language Processing
- Embedded Analytics
- System Logs and Auto-compliance Features
- Automated Processes



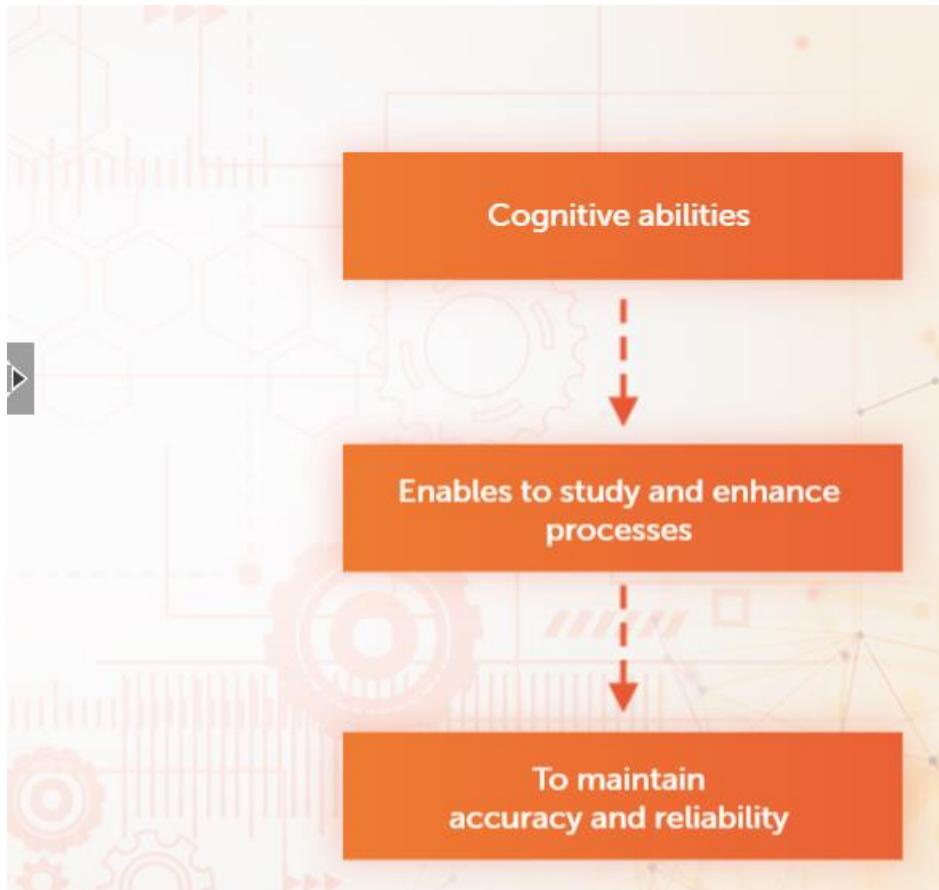
6.1.1 Benefits of Automation



Some of the unique features are:

- Web-based Control Room
- Private Key and Public Key Infrastructure
- Versioning System
- Licensing and Execution
- Multiple Layers of Security
- Credential Integration



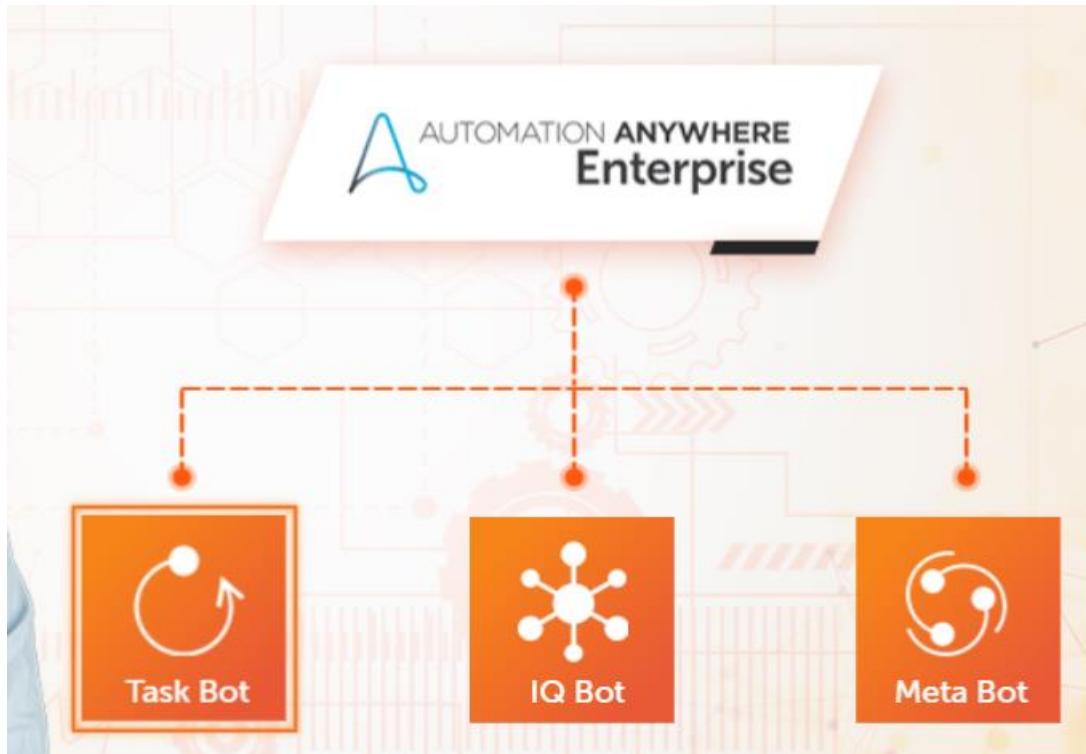




6.2 Bot

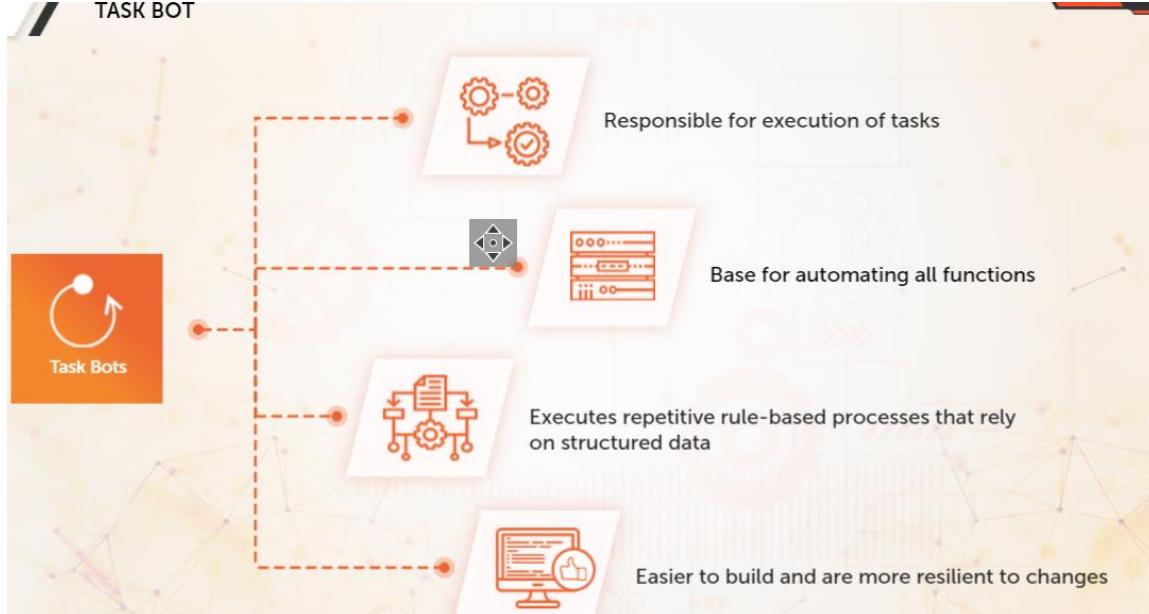
By the end of this module, you will be able to:

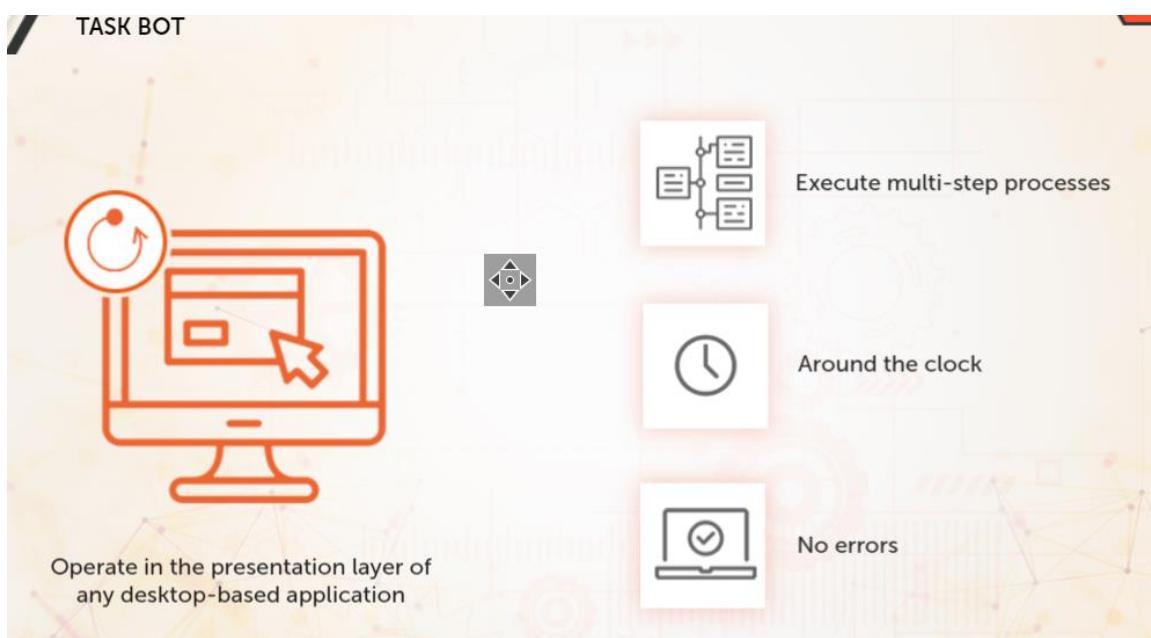
- **Describe the various types of Bots used in Automation Anywhere Enterprise**
- **Explain the advanced features of Task Bot in the Automation Anywhere Enterprise**
- **List the steps needed to demonstrate the function of a Task Bot in a given Use Case**

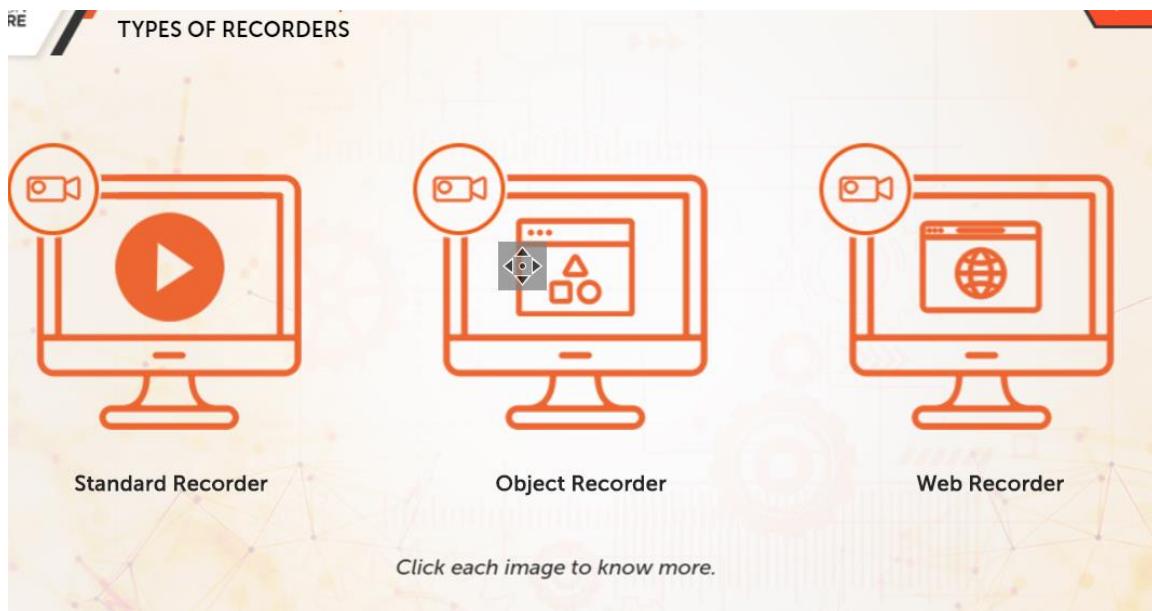


6.2.1 Task Bot

TASK BOT







The image shows a detailed view of the Standard Recorder. It features a computer monitor icon with a play button, overlaid on a background of a factory or industrial facility with solar panels. A red callout box labeled "Standard Recorder" contains the text: "Easy way to create simple automation processes" and "Captures all the mouse clicks and keystrokes". The background also includes icons for a brain, a smartphone, a car, and a wrench.

- Easy way to create simple automation processes
- Captures all the mouse clicks and keystrokes

TYPES OF RECORDERS

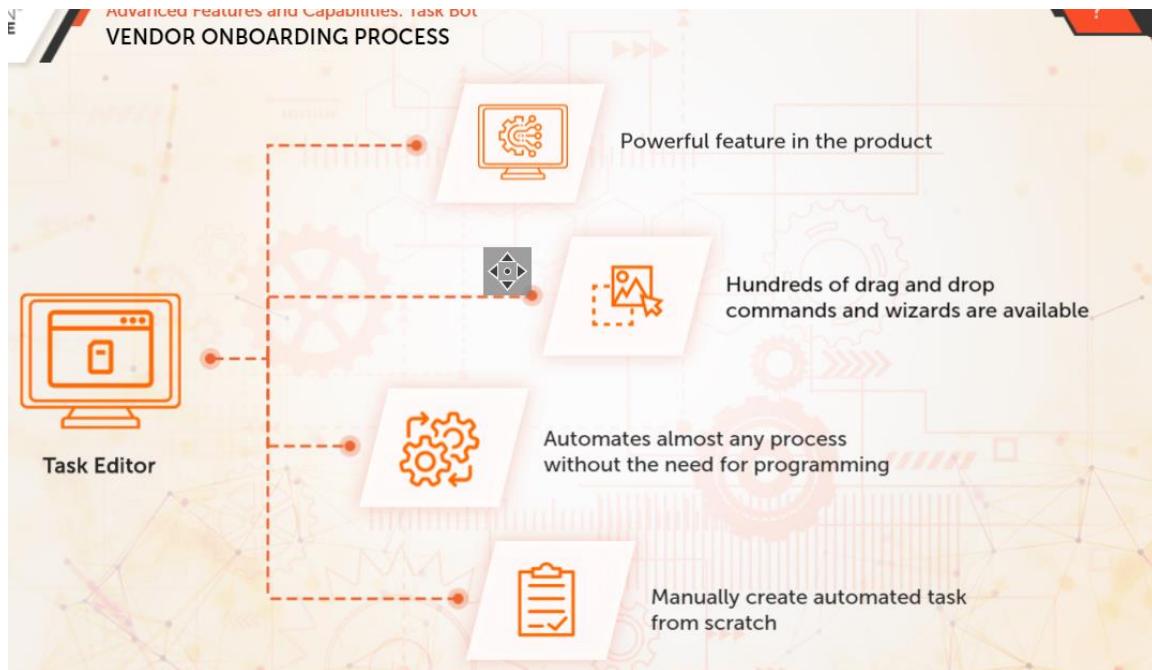
The screenshot shows the 'Object Recorder' section of the RPA software. At the top, there's a red header bar with the text 'Object Recorder'. Below it, a white callout box contains two bullet points: 'Ideal for desktop applications' and 'Capture windows control actions'. To the left of the callout are four orange circular icons with icons representing: 'Drop-down menus', 'List boxes and buttons', 'Status of radio buttons and check boxes', and 'Click actions'. The background of the slide features a blurred industrial scene with solar panels and network connections.

- Ideal for desktop applications
- Capture windows control actions

Drop-down menus List boxes and buttons
Status of radio buttons and check boxes Click actions

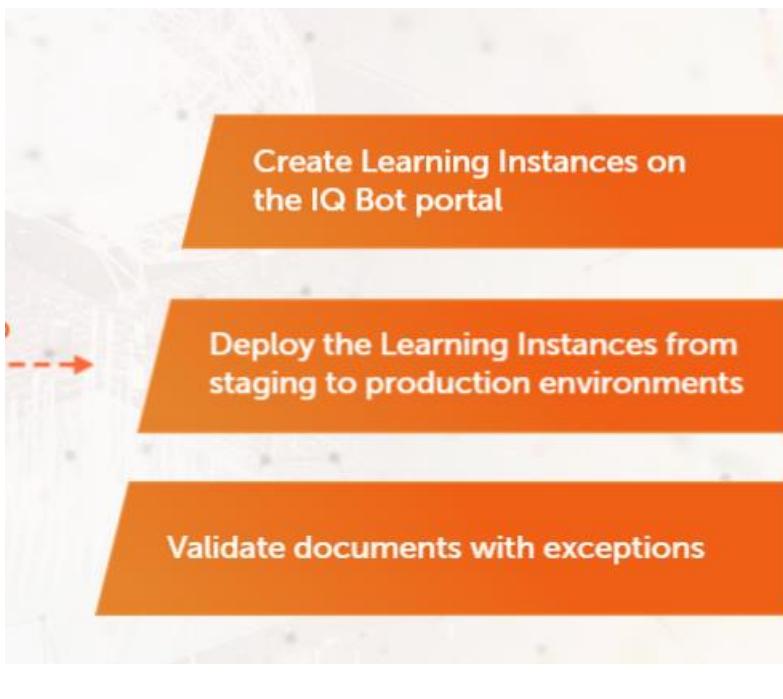
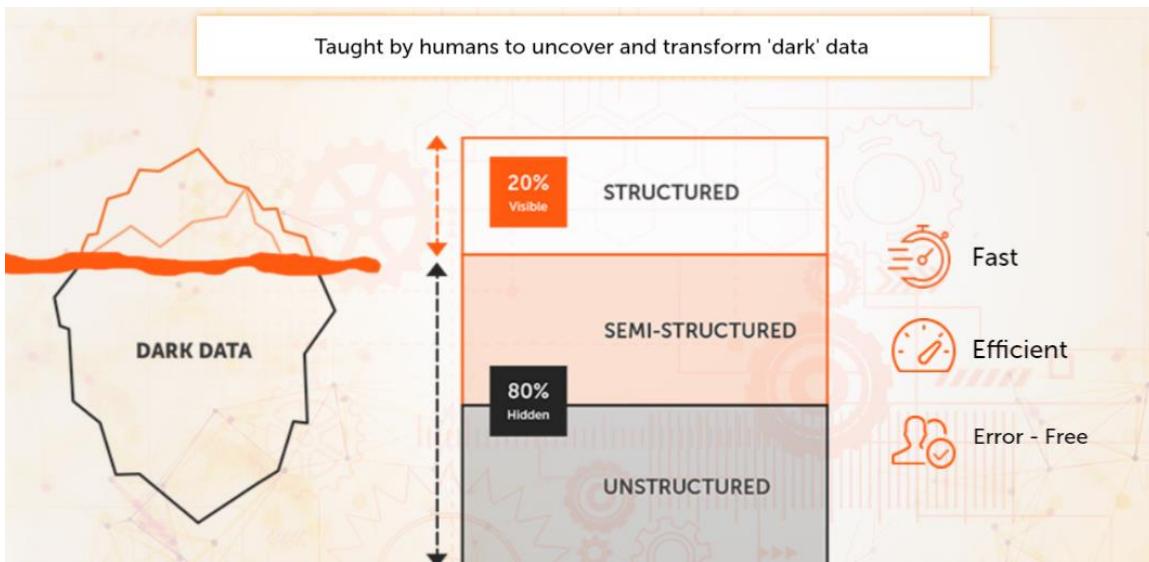
The screenshot shows the 'Web Recorder' section of the RPA software. At the top, there's a red header bar with the text 'Web Recorder'. Below it, a white callout box contains two bullet points: 'Process data from web applications' and 'Extract data from websites'. To the left of the callout is a large blue circular icon containing a stylized brain and a microchip. The background of the slide features a blurred industrial scene with solar panels and network connections.

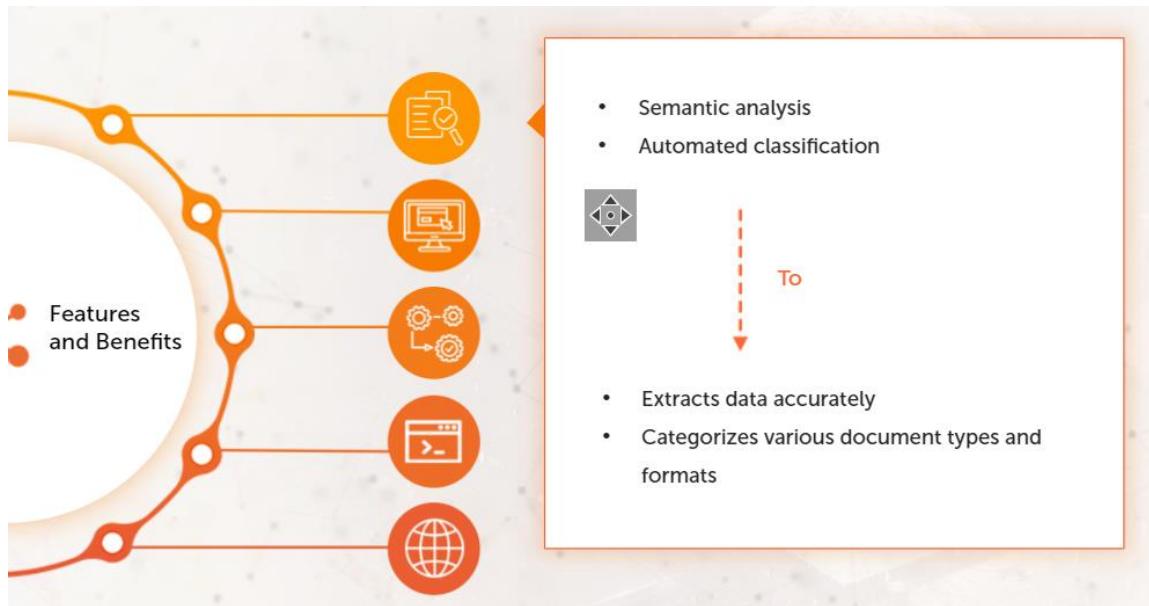
- Process data from web applications
- Extract data from websites



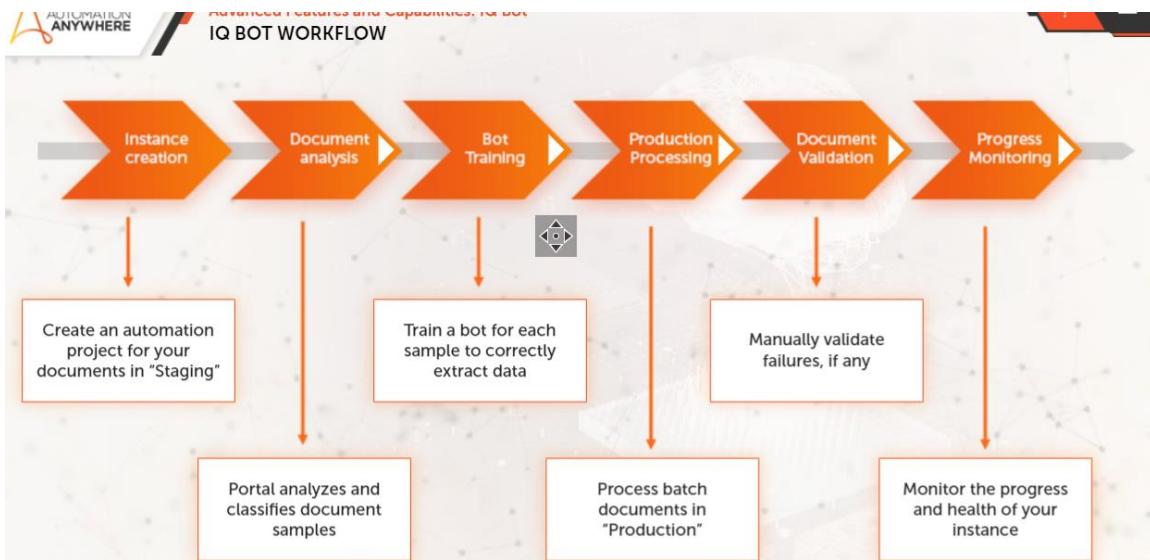
6.3 IQ BOT



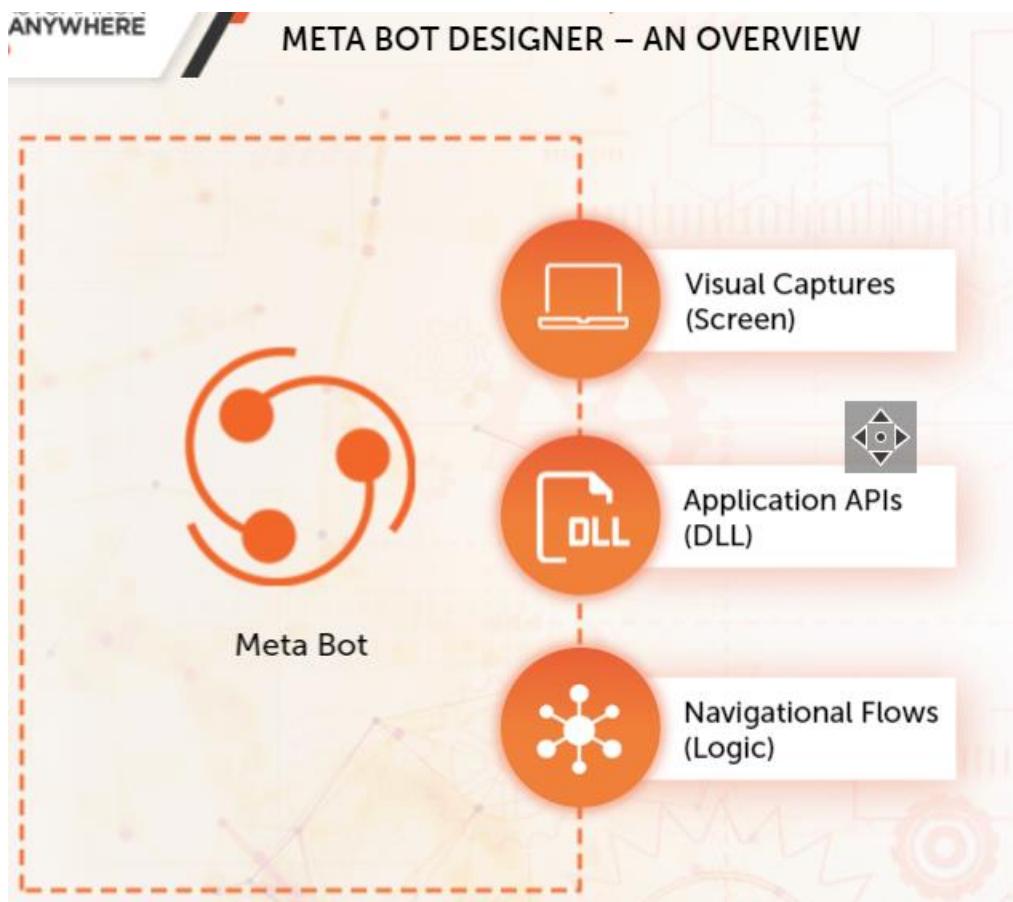
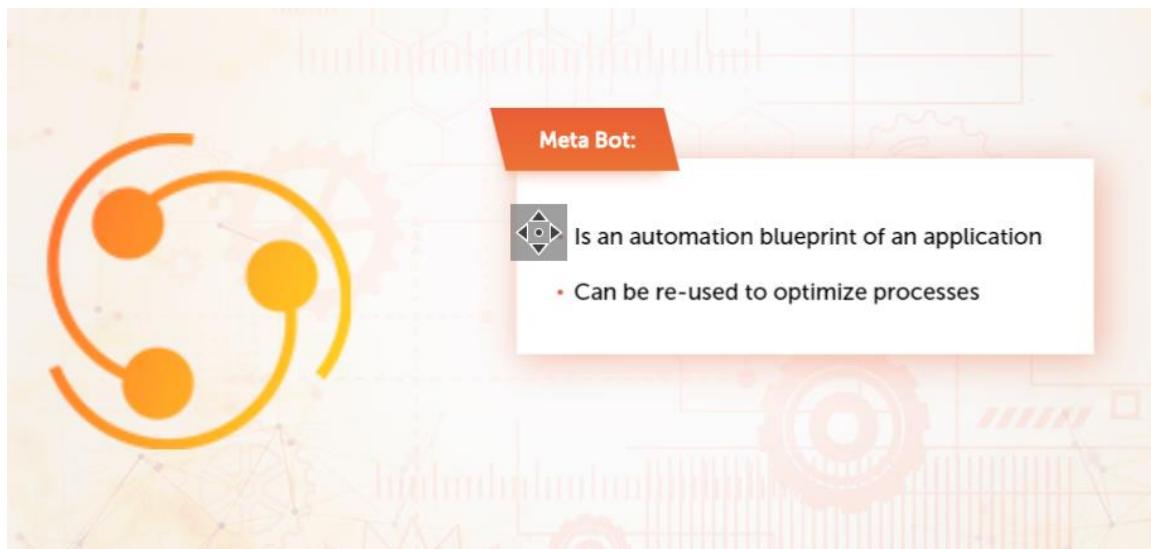




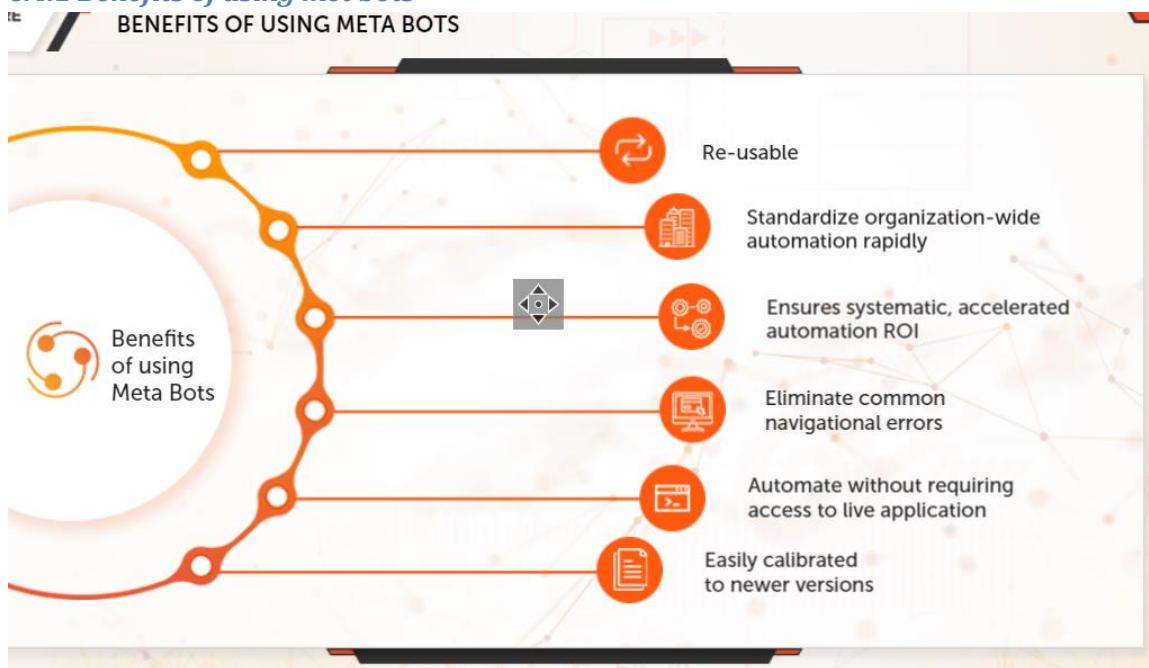
6.3.1 IQ BOT WORKFLOW



6.4 Meta Bots:



6.4.1 Benefits of using met bots



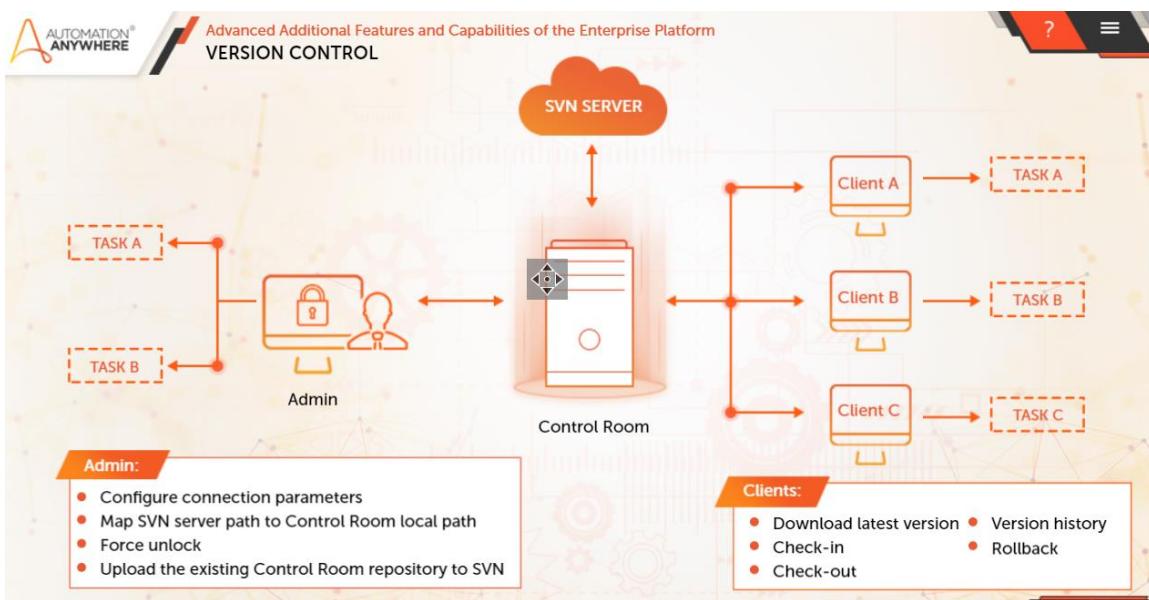
6.5 Advance Features

By the end of this module, you will be able to:

Explain additional advanced features of Automation Anywhere Enterprise, such as:

- Version Control
- Credential Vault
- Business Analytics

Explain the Workflow Designer



Checklist to identify processes suitable for RPA



Rule-based process



Digital triggered initiated process,
supported by digital data



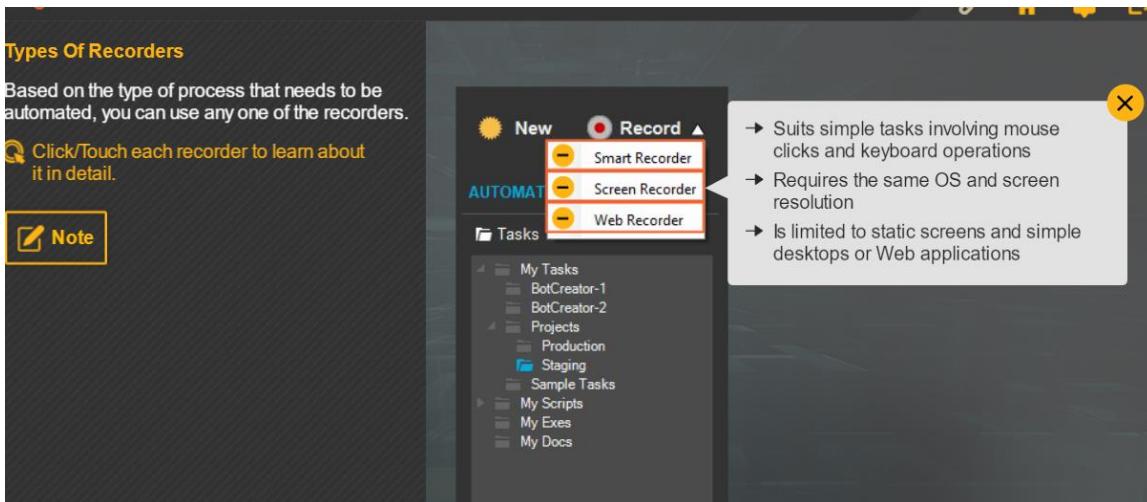
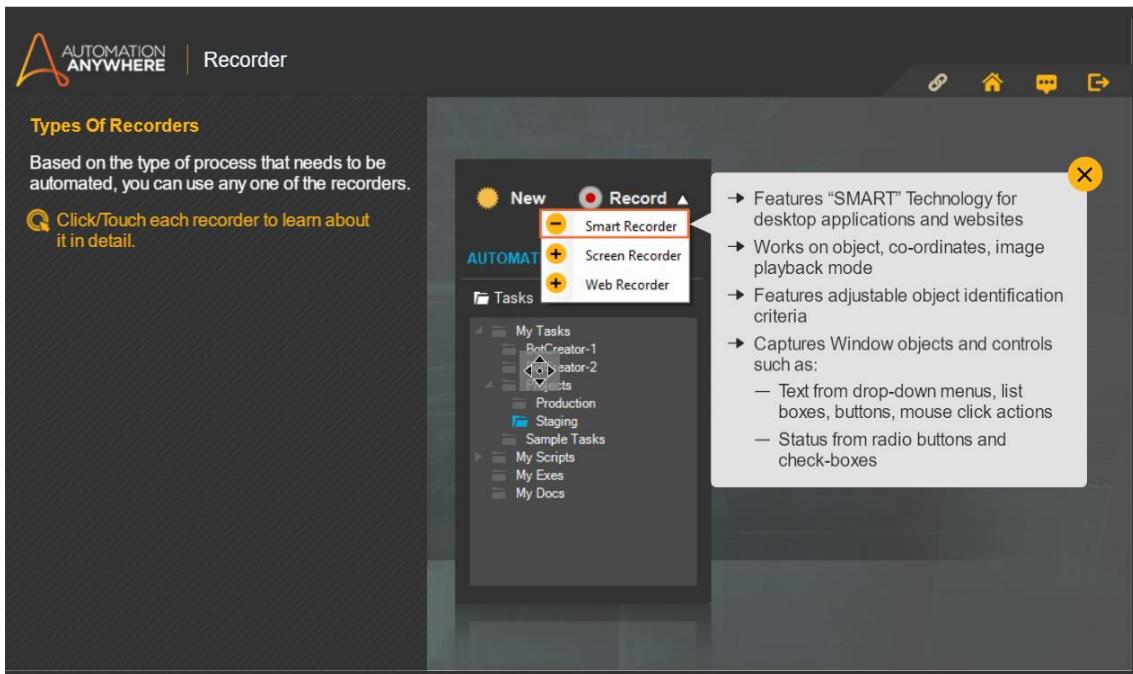
Functioning and stable process



High volume process



1. **Screen Recorder:** It is most suitable for desktop applications. The Screen Recorder or the other Standard Recorder provides the easiest way to create a simple automation process. It is usually used when the task involves many *mouse clicks* and *keyboard operations*
2. **Smart Recorder:** Suitable for both Web and Desktop applications. The Smart Recorder or the Object Recorder is the most *feasible* method for building tasks. It is ideal for desktop applications and captures objects such as drop-down menus, list boxes, radio buttons, check boxes and mouse clicks.
3. **Web Recorder:** Used only for Web applications. The Web-Recorder is used to perform tasks that require repetitive actions such as Extracting data from multiple web pages, Extracting data from tables on the web pages or Filling web forms.
4. **Task Editor:** The task editor is used to process any command with the help of several commands. This editor allows you to open multiple tasks by editing them simultaneously. The task editor has components such as Commands panel, Task Actions List, Action Buttons, Error View and Variable Manager Panel, Filters.



Types Of Recorders

Based on the type of process that needs to be automated, you can use any one of the recorders.

Q Click/Touch each recorder to learn about it in detail.

Note

The screenshot shows the RPA Professional interface with the 'Record' recorder selected. A callout box highlights the 'Smart Recorder' with the following details:

- Enables automation of Internet-related task actions
- Features "SMART" Technology ideal for websites
- Records actions based on a provided URL
- Extracts single data, pattern-based data, and tables
- Navigates web controls
- Works as a Browser-based tool
- Supports IE 100%

Introduction To Smart Recorder

When you want to record a series of actions on your computer that require capturing objects from applications that use HTML, Java, WPF, Flex, or Silverlight, you can use the Smart Recorder.

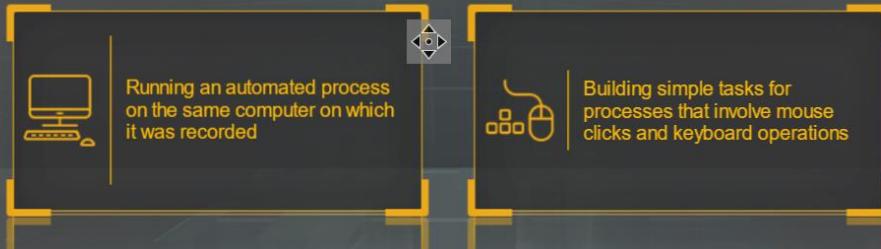
Note

Tip

The screenshot shows the Smart Recorder interface with five application types listed: HTML, Java, WPF, Flex, and Silverlight. Below this is a screenshot of a web browser displaying stock market data for NSE and Nifty indices. A callout box points to the browser window with the text "Select NEXT to continue."

Introduction To Screen Recorder

Screen Recorder is used to record task or a series of actions on the computer when:



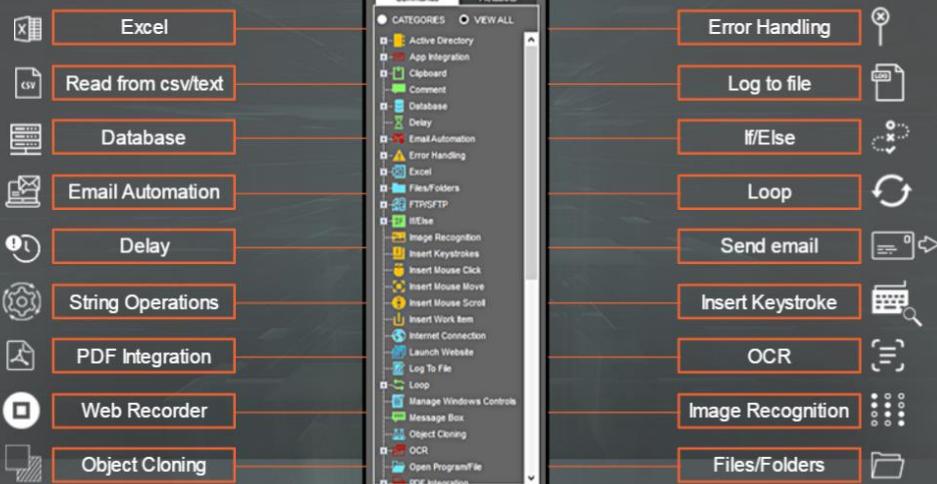
KEY TAKEAWAYS

- ✓ Use the Web Recorder when you want to automate the following processes (tasks):
 - ✓ Opening web pages
 - ✓ Logging into a website
 - ✓ Navigating through search
 - ✓ Entering data into forms and submitting them
 - ✓ Extracting data and updating database records
 - ✓ Using a Web-based ERP (Enterprise Resource Planning) system
 - ✓ Extracting web data to a local file
 - ✓ Testing an online application

6.6 Commands

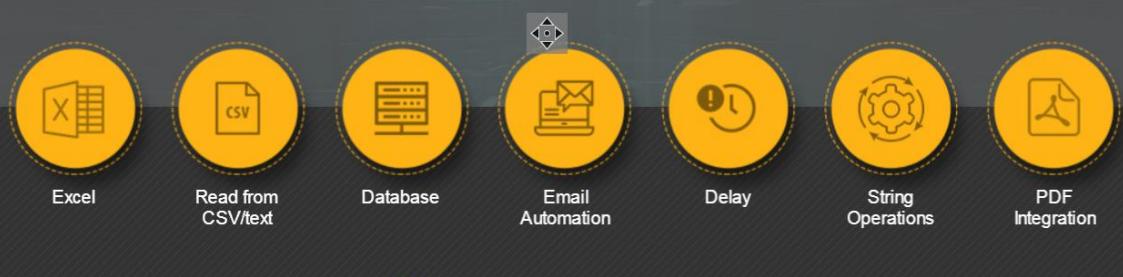
Commands Overview

The most commonly used commands are listed below.

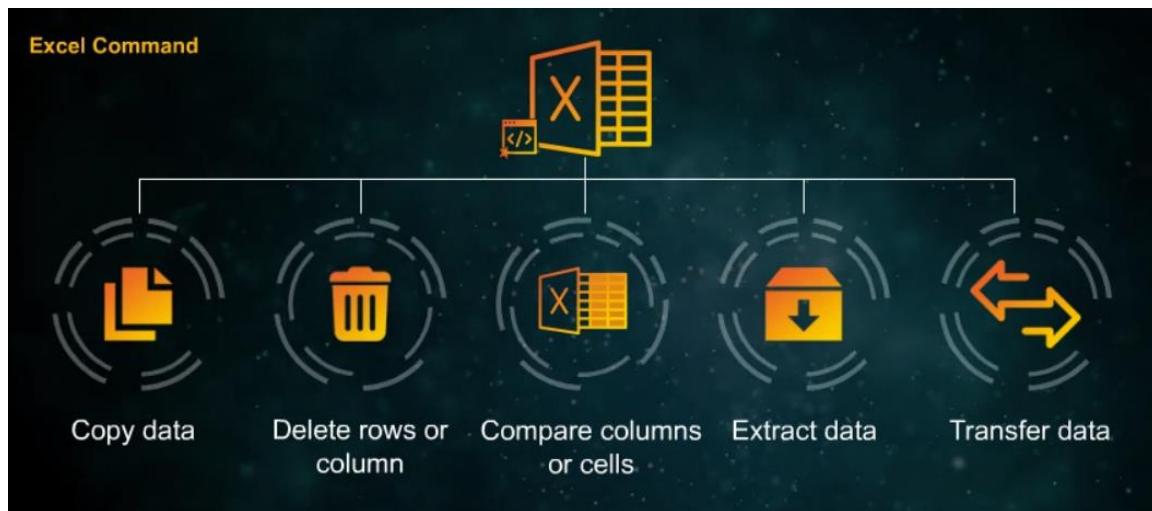


Commands Overview

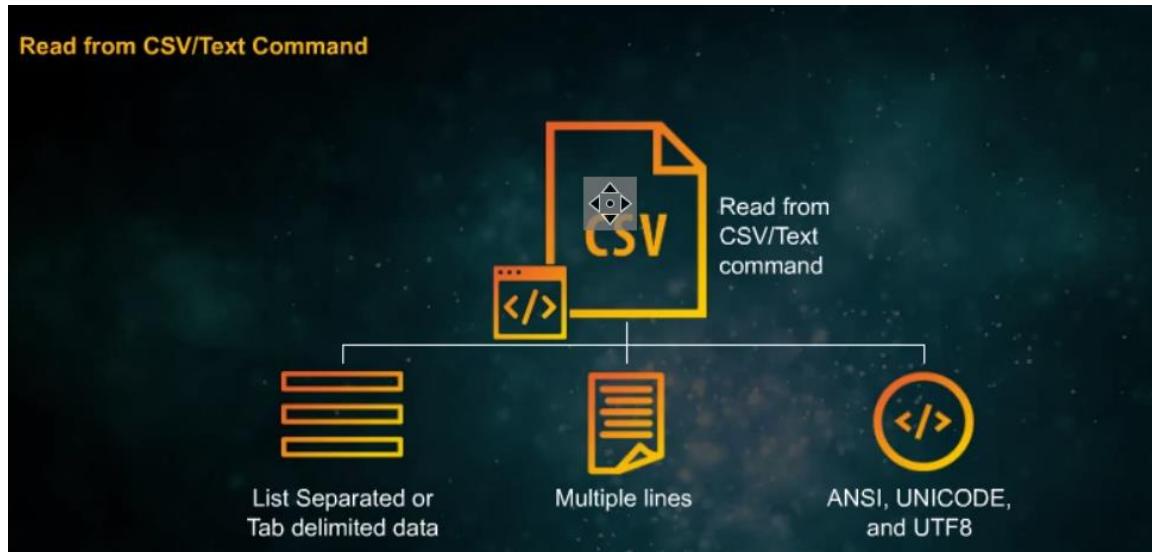
The most commonly used commands are listed below.



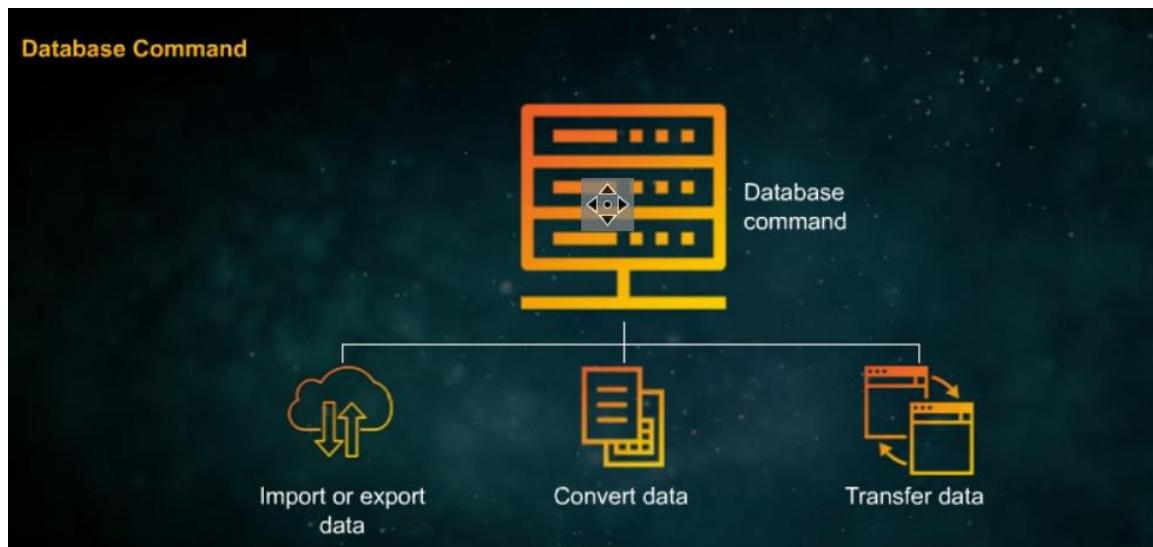
6.6.1 Excel command



6.6.2 Read csv/text file command



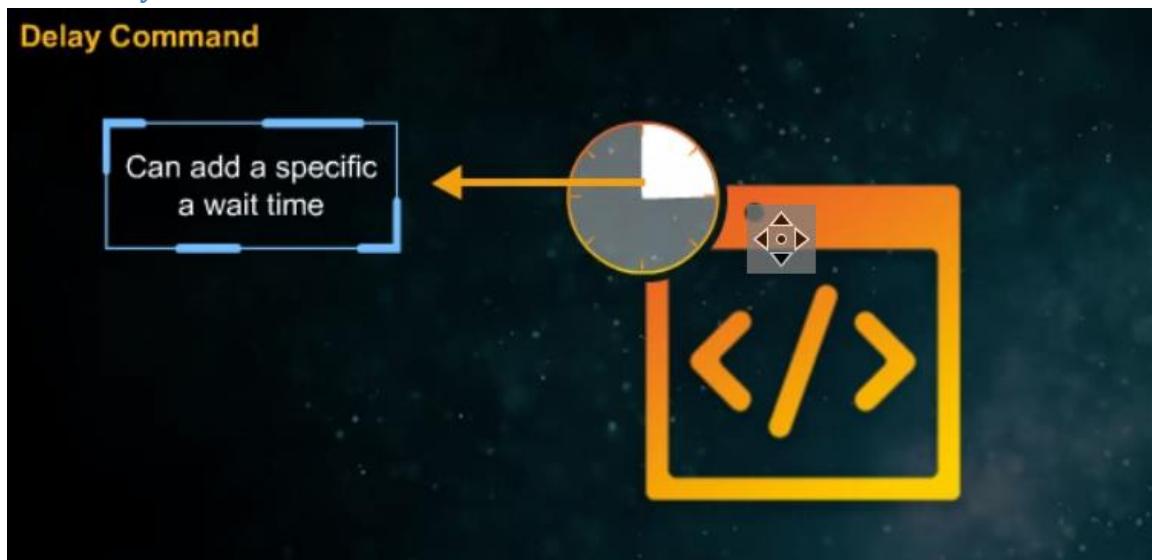
6.6.3 Database command



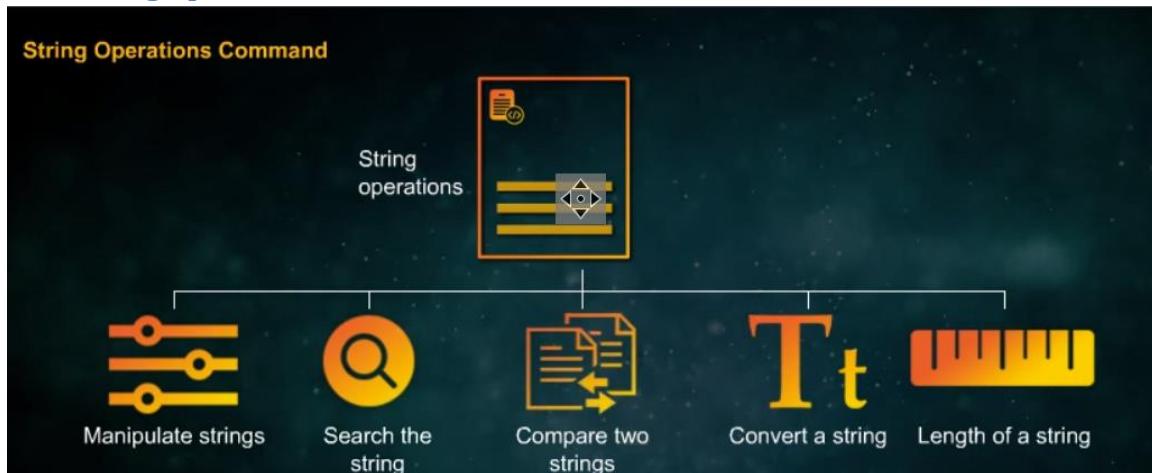
6.6.4 Email automation command



6.6.5 Delay command



6.6.6 String Operation Command



6.6.7 Pdf Integration command



Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Some of the key commands in the Command Library include

- Active Directory Command
- Database Command
- Email Automation Command
- Error Handling Command
- Excel Command
- FTP-SFTP Command



Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Some of the key commands in the Command Library include
 - IF-ELSE Command
 - Image Recognition Command
 - Object Cloning Command
 - OCR Command
 - PDF Integration



6.7 Variables

Types of Variables

Automation Anywhere provides two types of variables to store information.

Default or System Variables:

- Pre-defined variables defined by Automation Anywhere
- Available in all Automation tasks



Local or User Defined Variables:

- Defined by a user for a particular task
- Available only within the created task



For all Automation Anywhere commands, variables are supported in fields that have the light bulb symbol present.

Use the F2 function key to select and insert the required variable from the list of variables available.



Select NEXT to continue.

6.7.1 Local Variables

Types of Local Variables

Based on the values the Local Variables hold, there are four types of Local Variables.



6.7.2 List Variables

List Variable

This holds multiple values in a single dimension. It is used for retrieving multiple values, one by one, such as:



Sending email to multiple recipients



Passing different values inside of a loop



Searching multiple web addresses

6.7.3 Array Variables

Array Variable

This is a multi-dimensional variable that holds multiple values in a table of rows and columns. Arrays are used for:



Extracting data from web pages



Extracting multiple rows of data



Reading or writing data



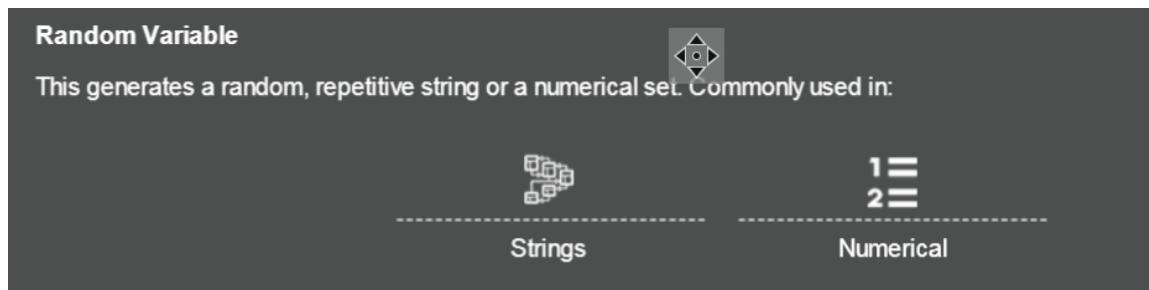
Filling out order forms

6.7.4 Value Variable

Value Variable

This is created when a user needs to hold a single value and use it in multiple places.

6.7.5 Random Variable



7 Variable Manager

Variable Manager and it's Applications

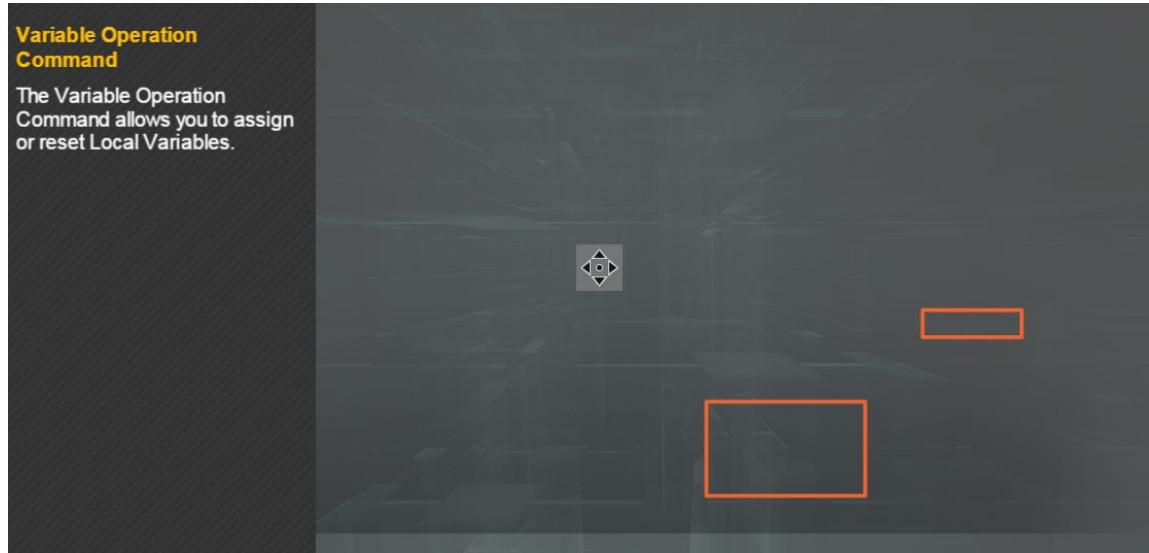
You can also use the Variable Manager to displays details about all system variables



7.1 Variable Operation Command

Variable Operation Command

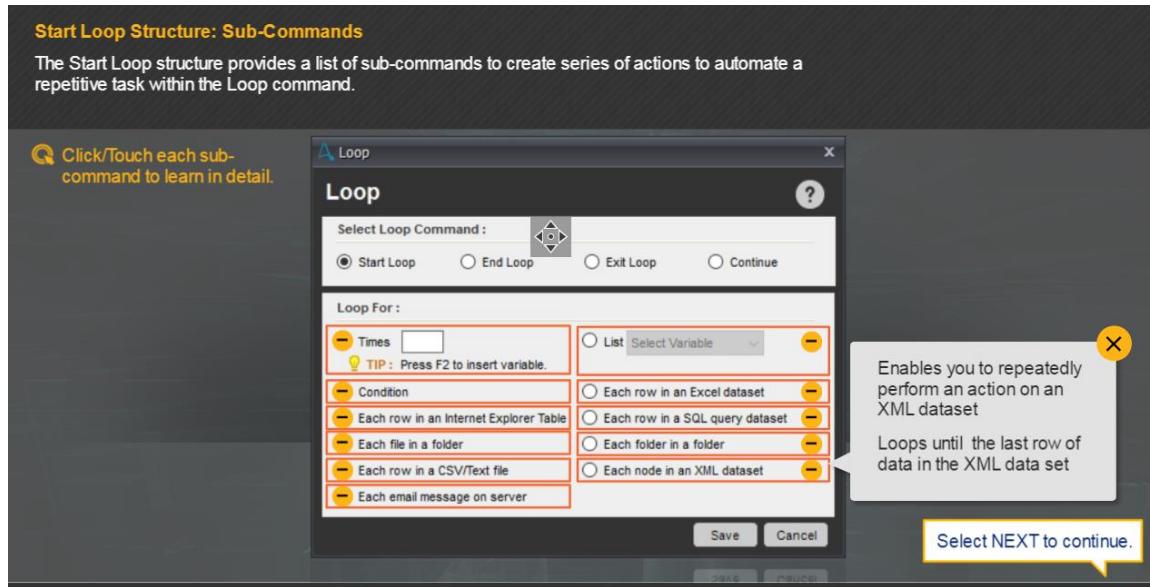
The Variable Operation Command allows you to assign or reset Local Variables.



8. Loop

Start Loop Structure: Sub-Commands

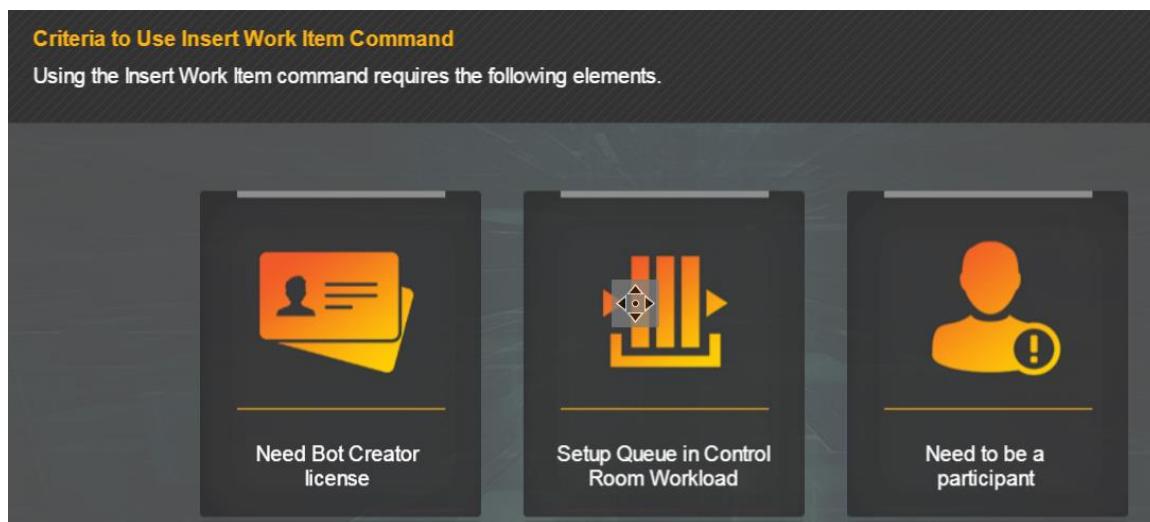
The Start Loop structure provides a list of sub-commands to create series of actions to automate a repetitive task within the Loop command.



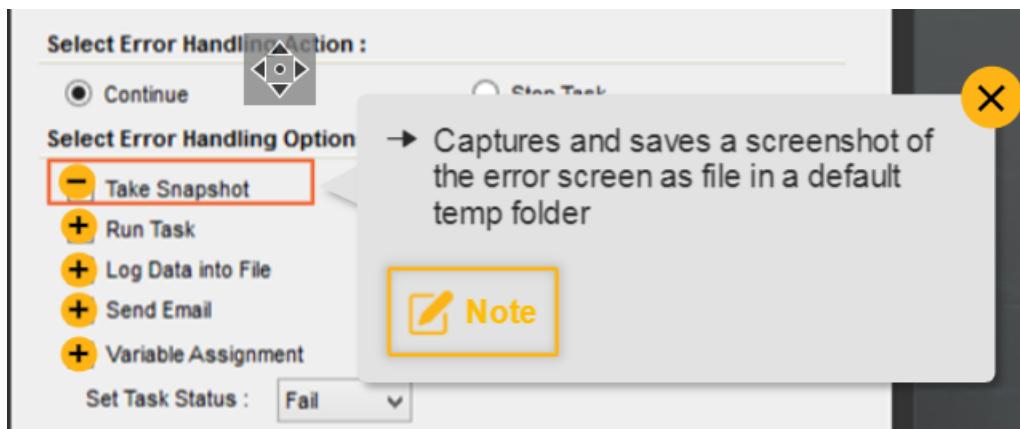
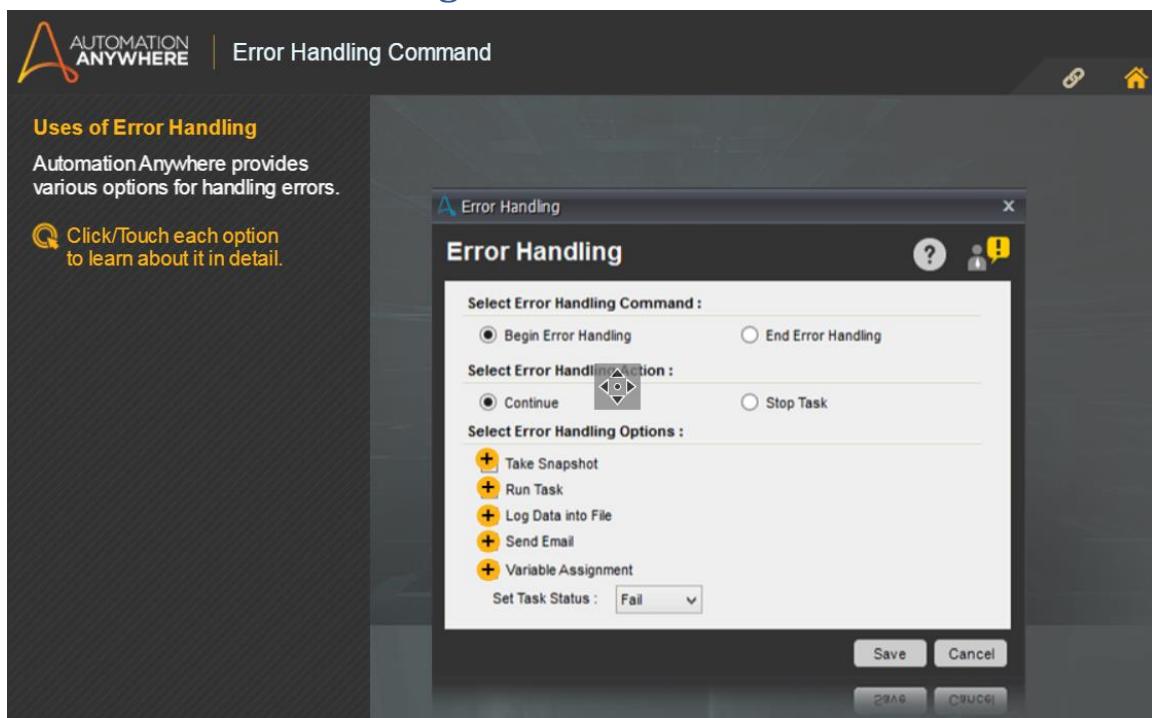
9. Insert Work Item

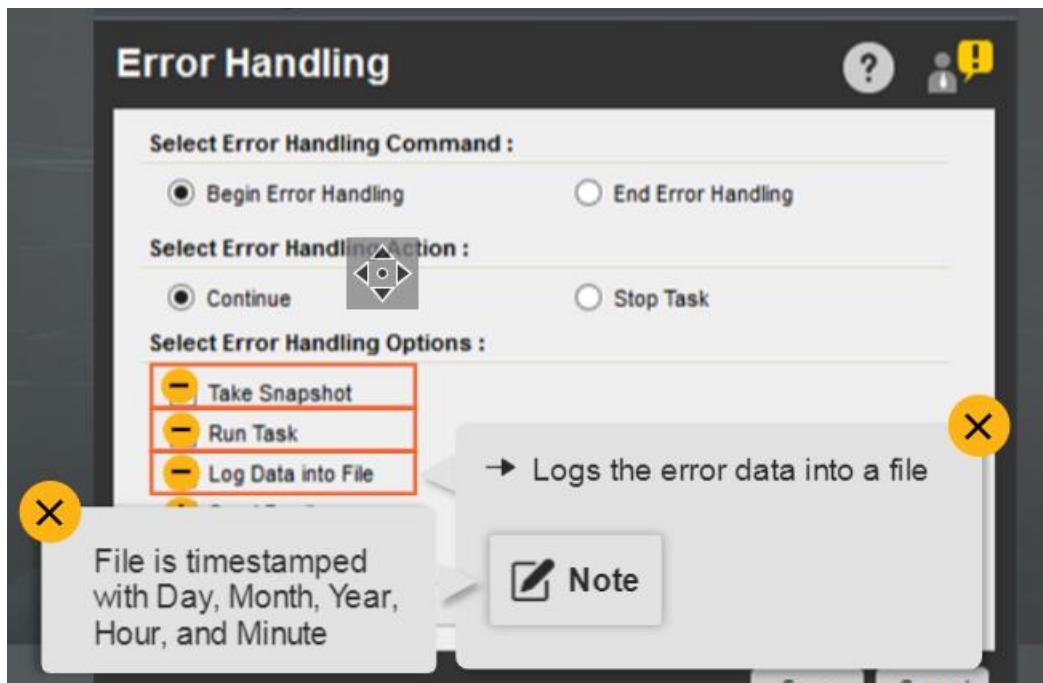
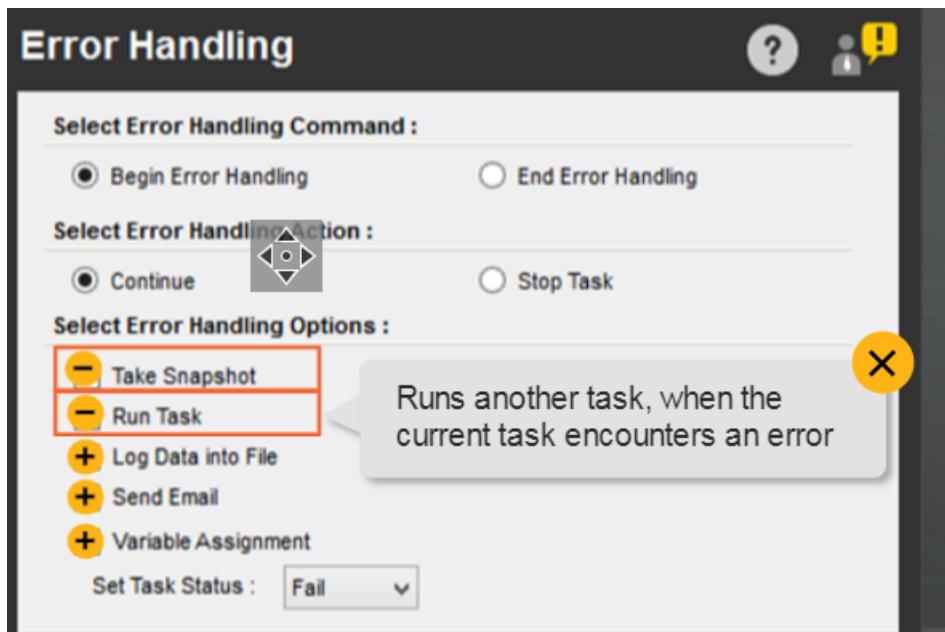
Criteria to Use Insert Work Item Command

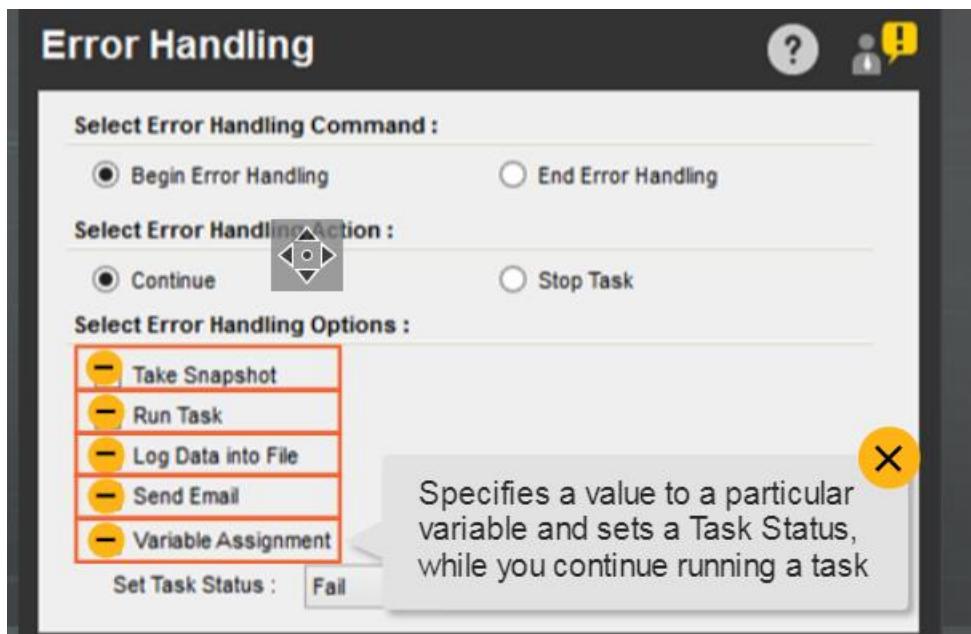
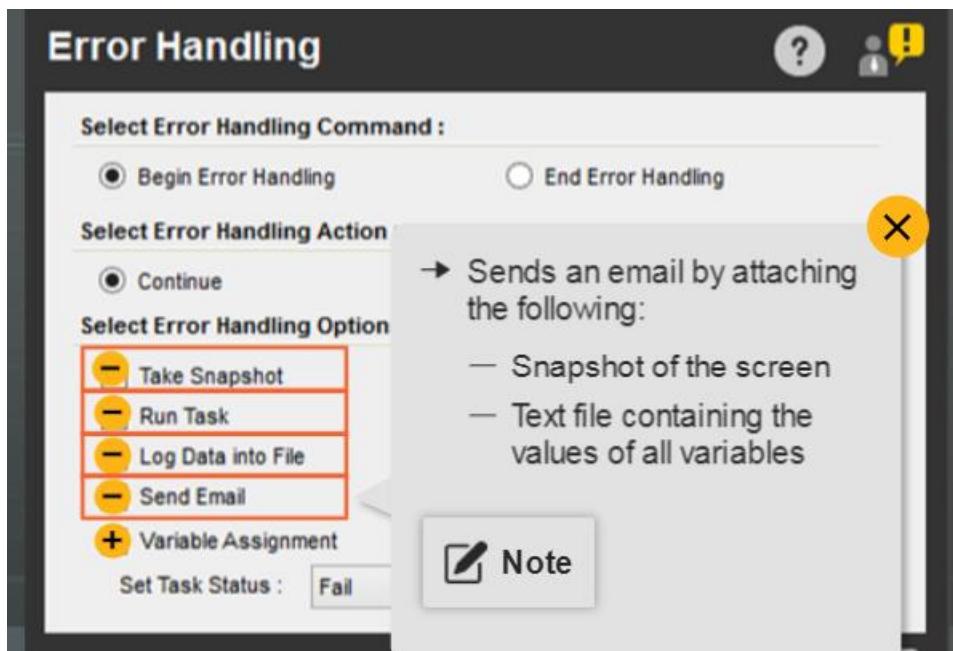
Using the Insert Work Item command requires the following elements.



10. Error Handling







Summary

You are at the end of this module. Let's recap what we have gone through so far.

- The various Error Handling options to manage errors include:
 - Take Snapshot
 - Run Task
 - Log data into file
 - Send Email
 - Variable Assignment



10.1 Log to File Command

The screenshot shows the 'Log to File Command' section of the Automation Anywhere interface. At the top, there is a header with the Automation Anywhere logo and the title 'Log to File Command'. Below the header, a sub-header reads 'Uses of Log to File Command' followed by the text 'The Log to File command helps achieve the following tasks.' Five circular icons are displayed, each representing a different use of the command:

- A checkmark icon: 'Verifies the TaskBot or MetaBot Logic runs properly'
- A plus sign icon: 'Creates a new log file'
- A text input icon: 'Specifies custom text'
- A timestamp icon: 'Adds a timestamp'
- A variable icon: 'Uses log file as a variable'



Log to File Command

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- The Log to File command assists in creating a log file to store useful information about the TaskBot or MetaBot Logic runs, which is an important aspect of optimizing and debugging your automation TaskBot or MetaBot Logics.
- Log files can be saved in several file formats, including .csv and .txt files.
- Encoding is provided for log files with options for ANSI, UNICODE, and UTF8.



Log to File Command

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- The Log to File command helps achieve the following tasks:
 - Verifies that a TaskBot or MetaBot Logic has run properly
 - Creates a new log file
 - Specifies custom text to be included in the log file
 - Adds a timestamp to the log file
 - Uses a log file as a variable

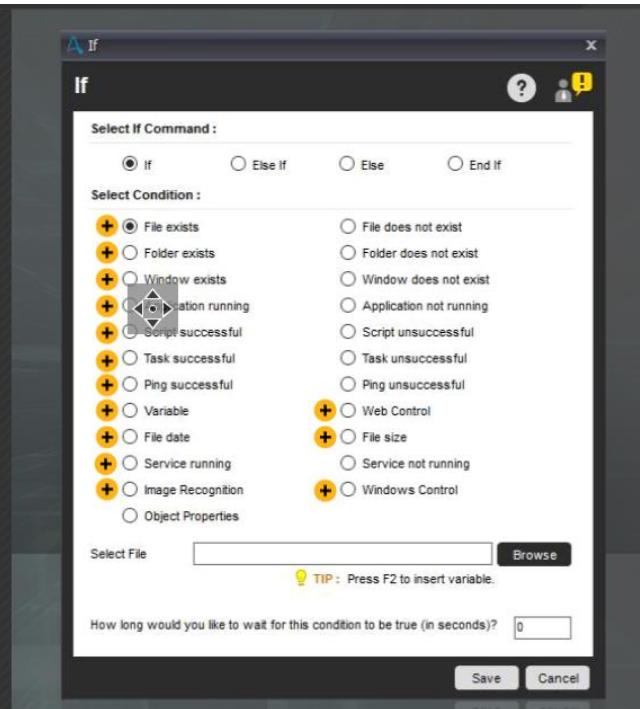
Click/Touch the arrows to navigate.

10.2 IF Else Command

If/Else Command: Sub-commands

The If/Else Command provides a list of sub-commands.

 Click/Touch the highlighted components to learn about it in detail.



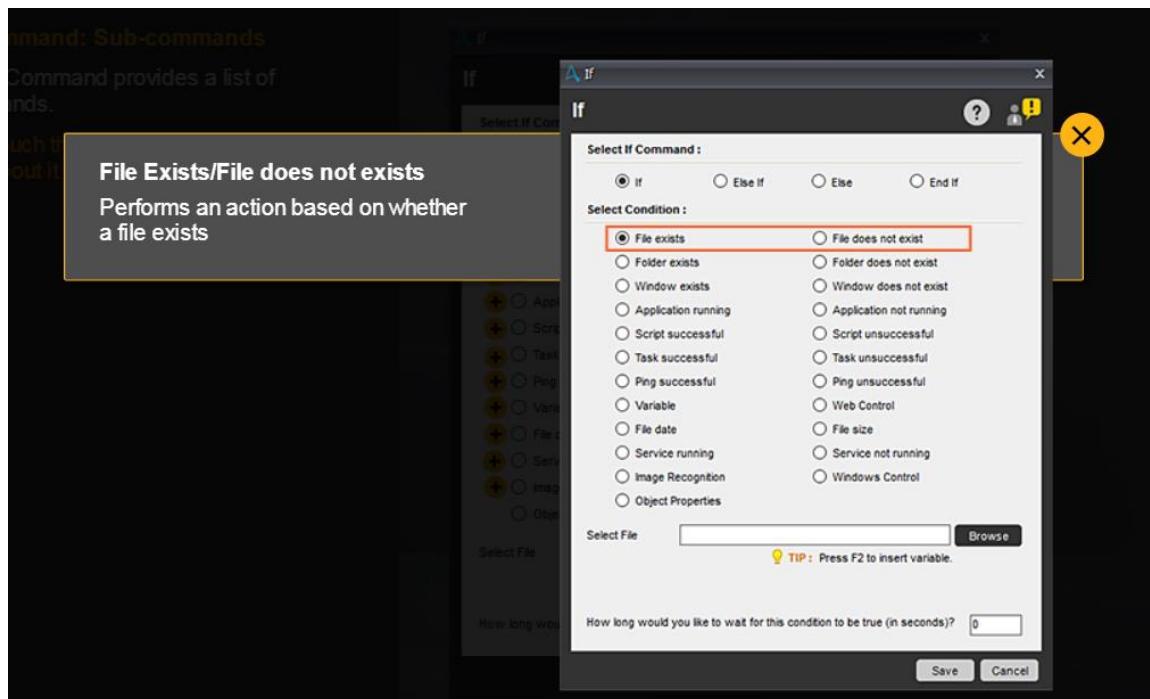
10.2.1 File Exists

File: Sub-commands

Command provides a list of sub-commands.

File Exists/File does not exists

Performs an action based on whether a file exists



10.2.2 Windows exists

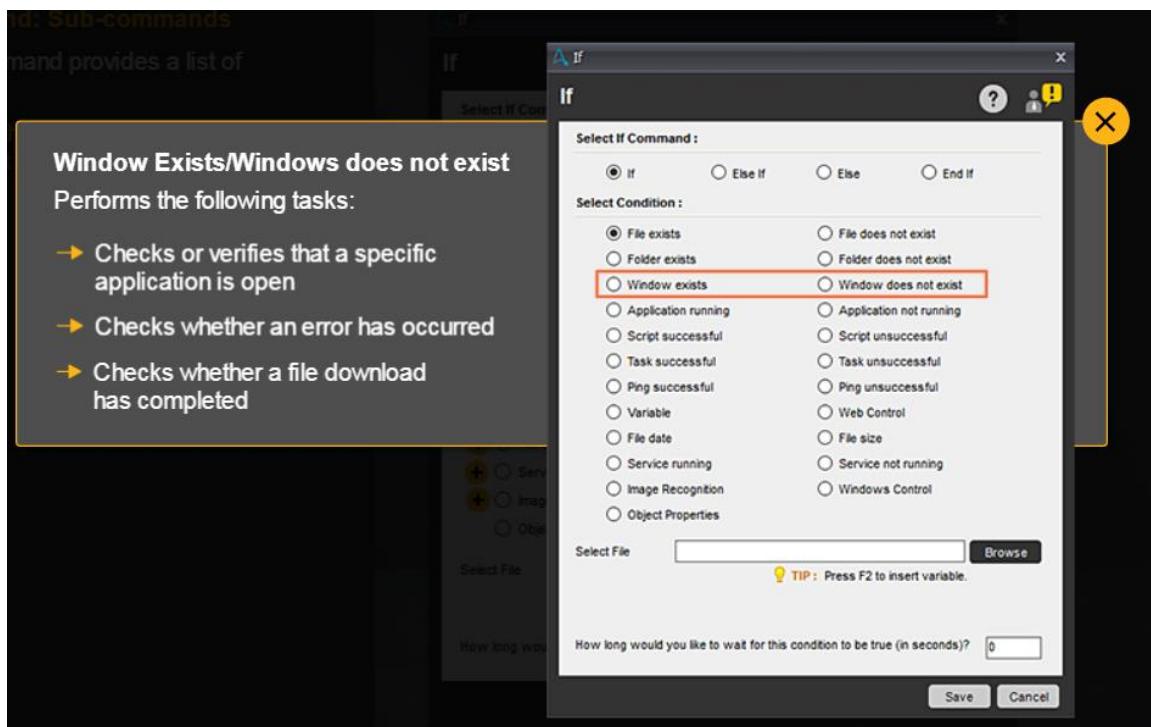
Sub-Commands

mand provides a list of

Window Exists/Windows does not exist

Performs the following tasks:

- Checks or verifies that a specific application is open
- Checks whether an error has occurred
- Checks whether a file download has completed



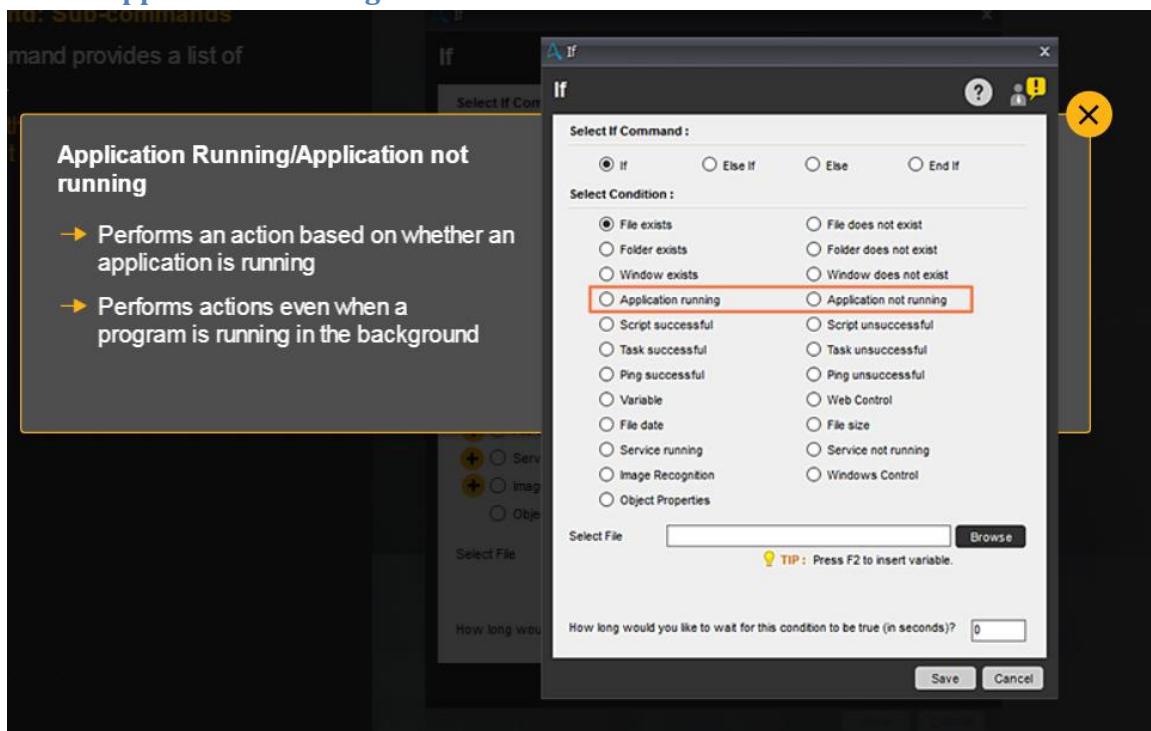
10.2.3 Application Running

Sub-Commands

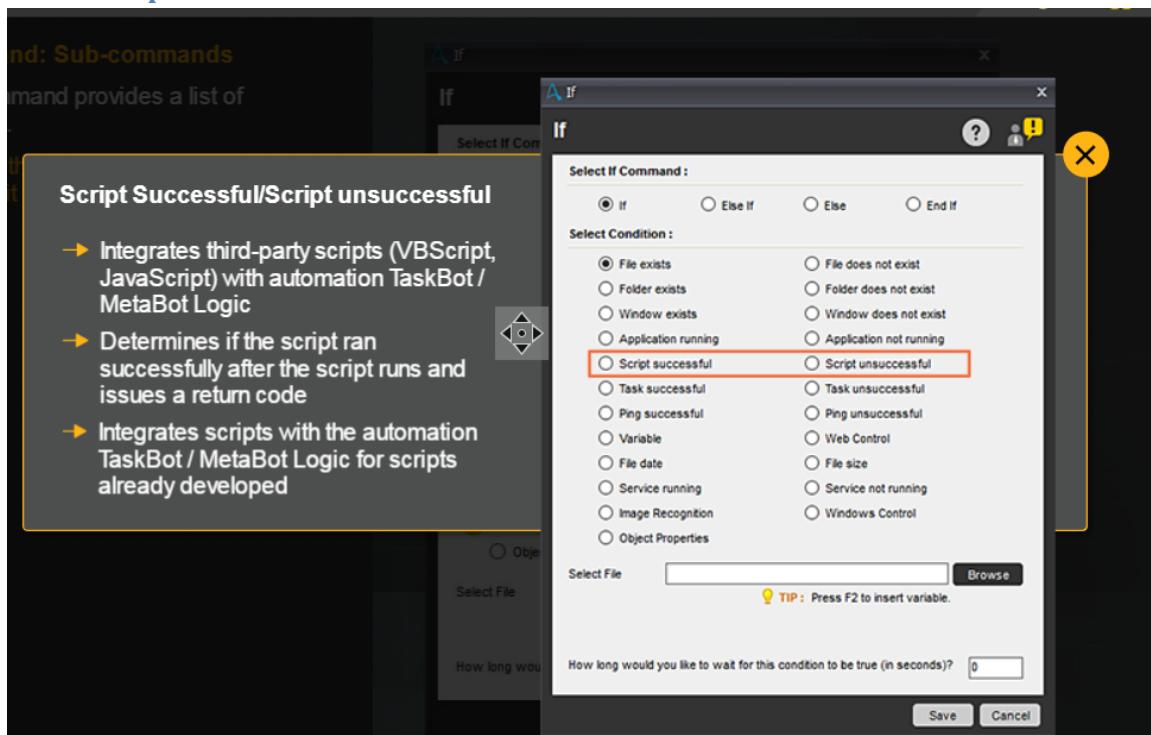
mand provides a list of

Application Running/Application not running

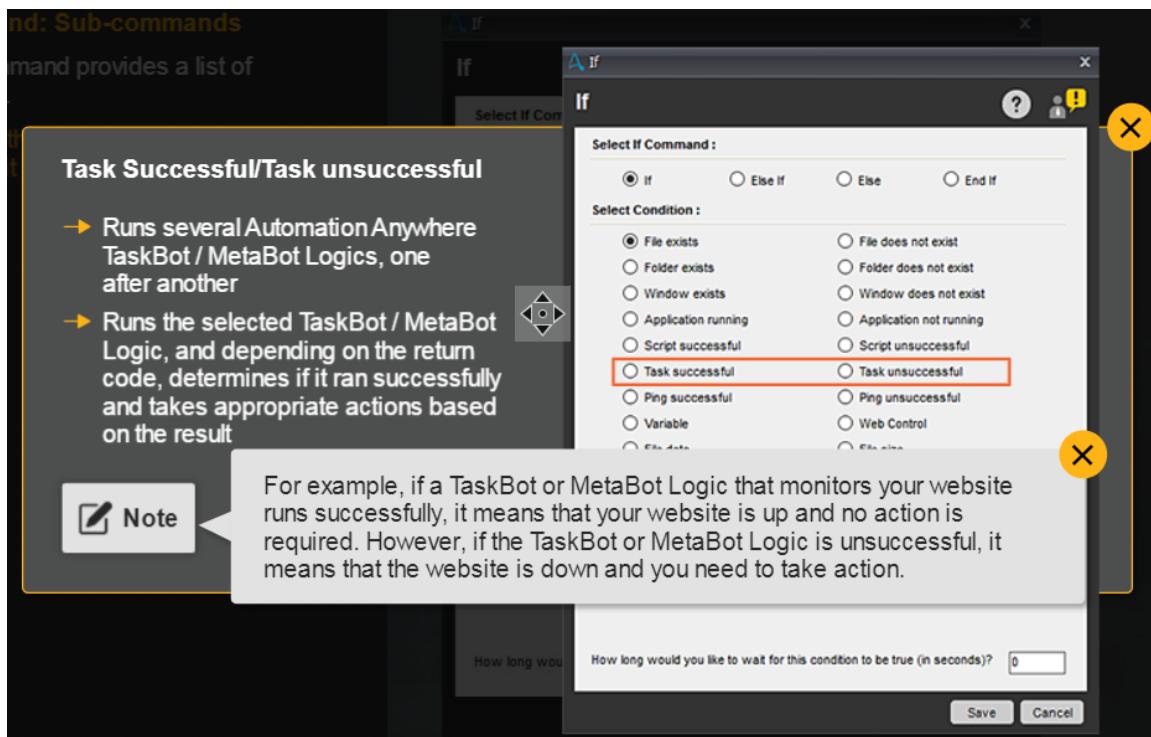
- Performs an action based on whether an application is running
- Performs actions even when a program is running in the background



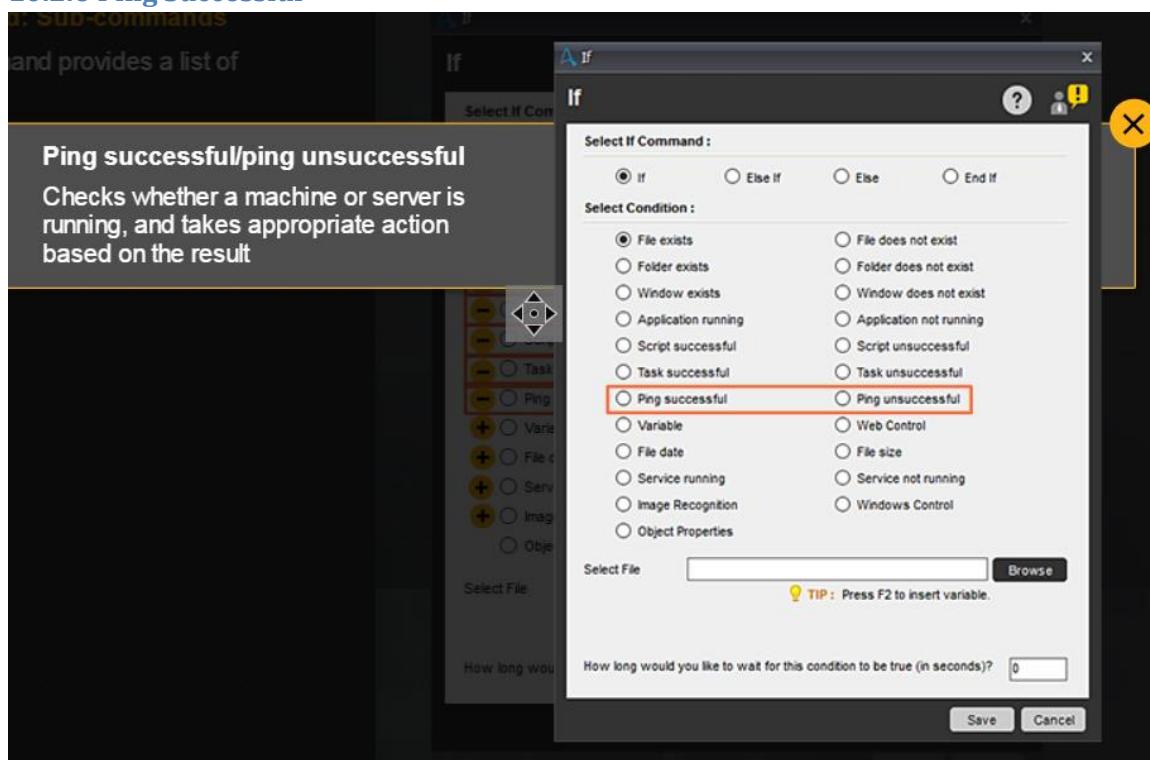
10.2.4 Script Successful



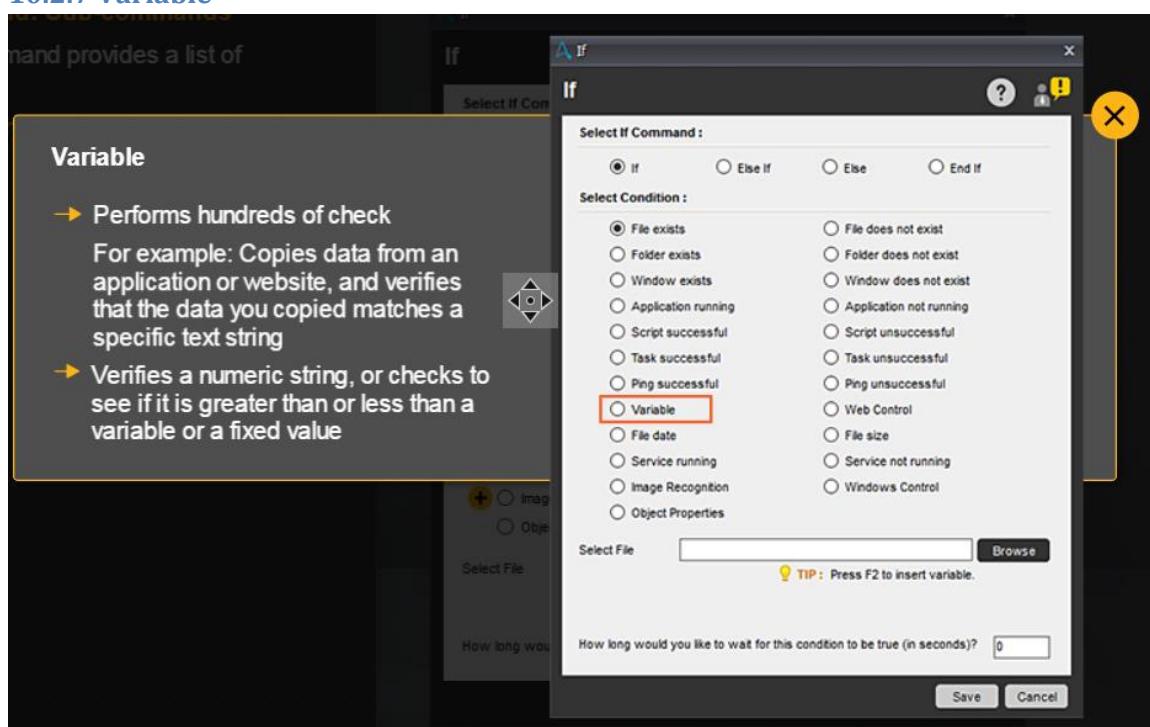
10.2.5 Task Successful



10.2.6 Ping Successful



10.2.7 Variable

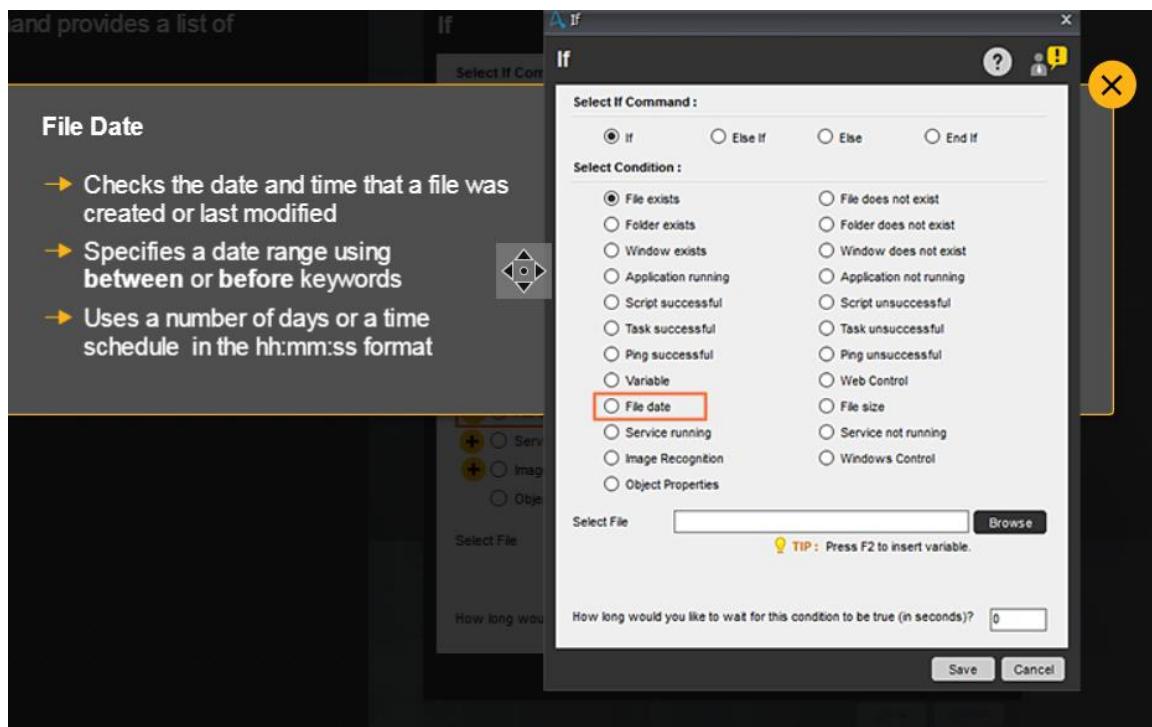


10.2.8 File Date

and provides a list of

File Date

- Checks the date and time that a file was created or last modified
- Specifies a date range using **between** or **before** keywords
- Uses a number of days or a time schedule in the hh:mm:ss format

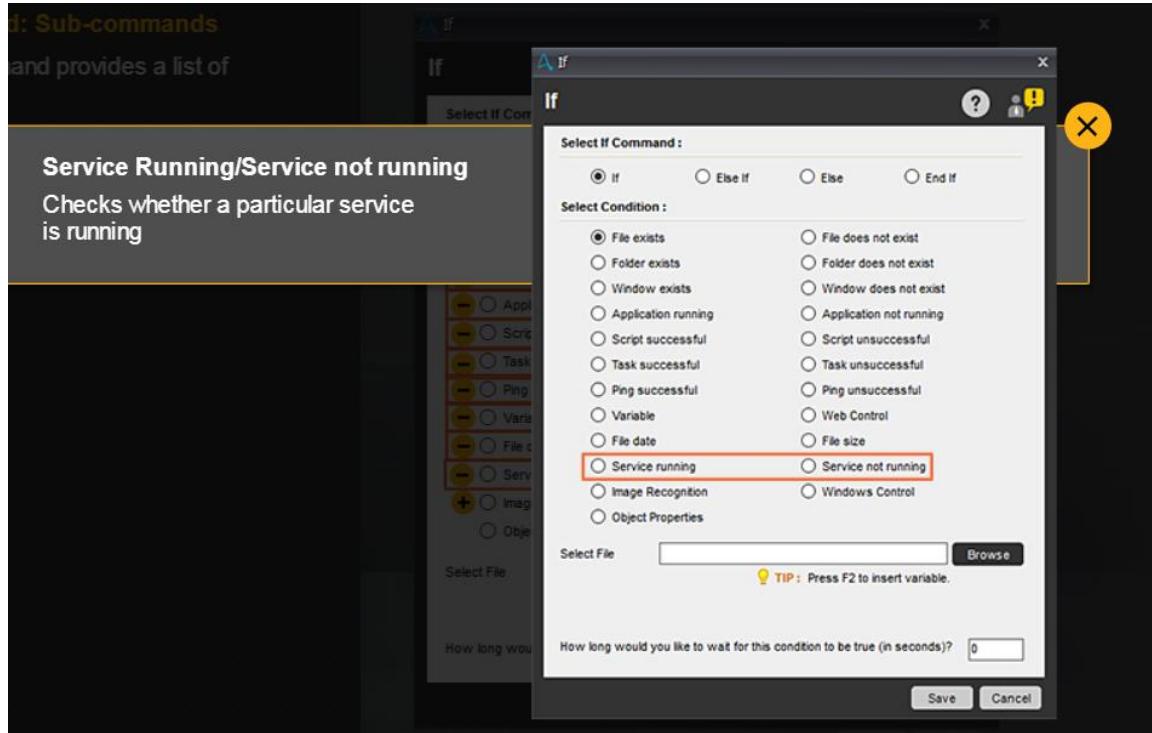


10.2.9 Service Running

Sub-commands
and provides a list of

Service Running/Service not running

Checks whether a particular service is running



10.2.10 Image Recognition

Sub-commands

Image Recognition

- Checks whether an image exists within another image
- Recognizes images stored in files or captured from a window when the TaskBot / MetaBot Logic runs
- Specifies a minimum 'percentage match' for the image captured
- Enables to perform click action on the captured image if found within larger image

10.2.11 Web Control

Sub-commands

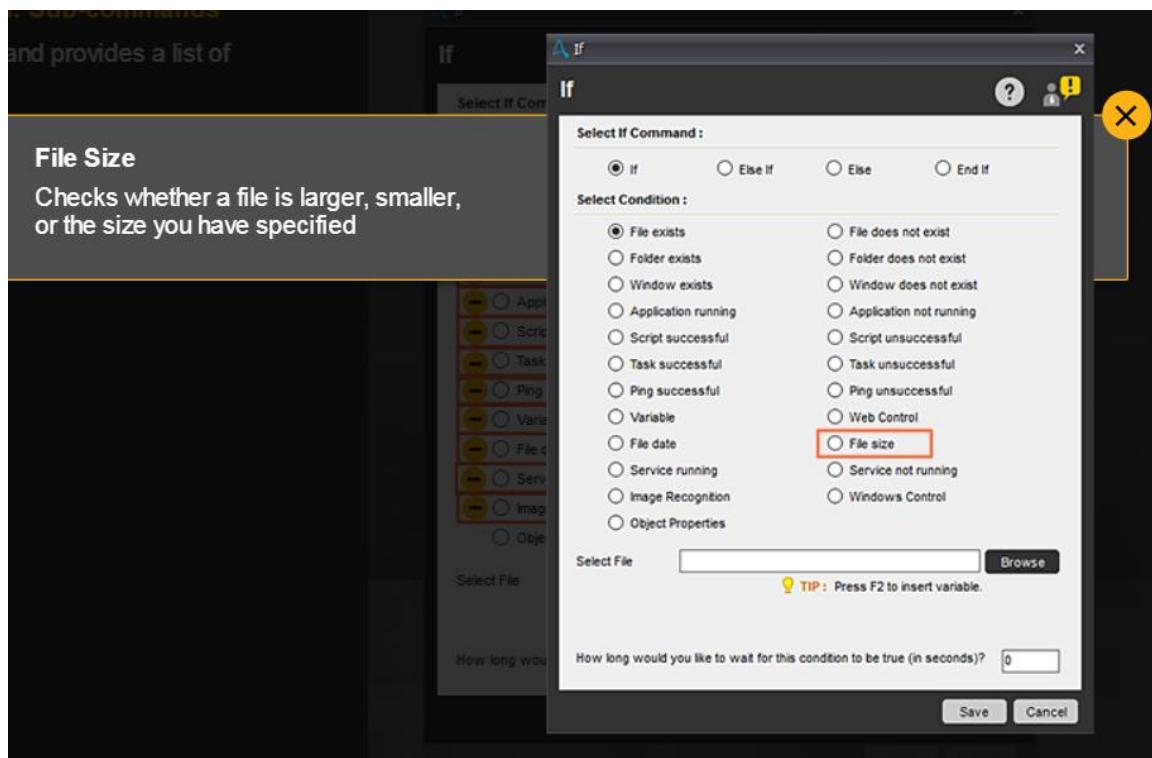
Web Control

- Identifies whether a specific web control exists on a Web page
- Is used when editing TaskBot Logics that are created using the Web Recorder

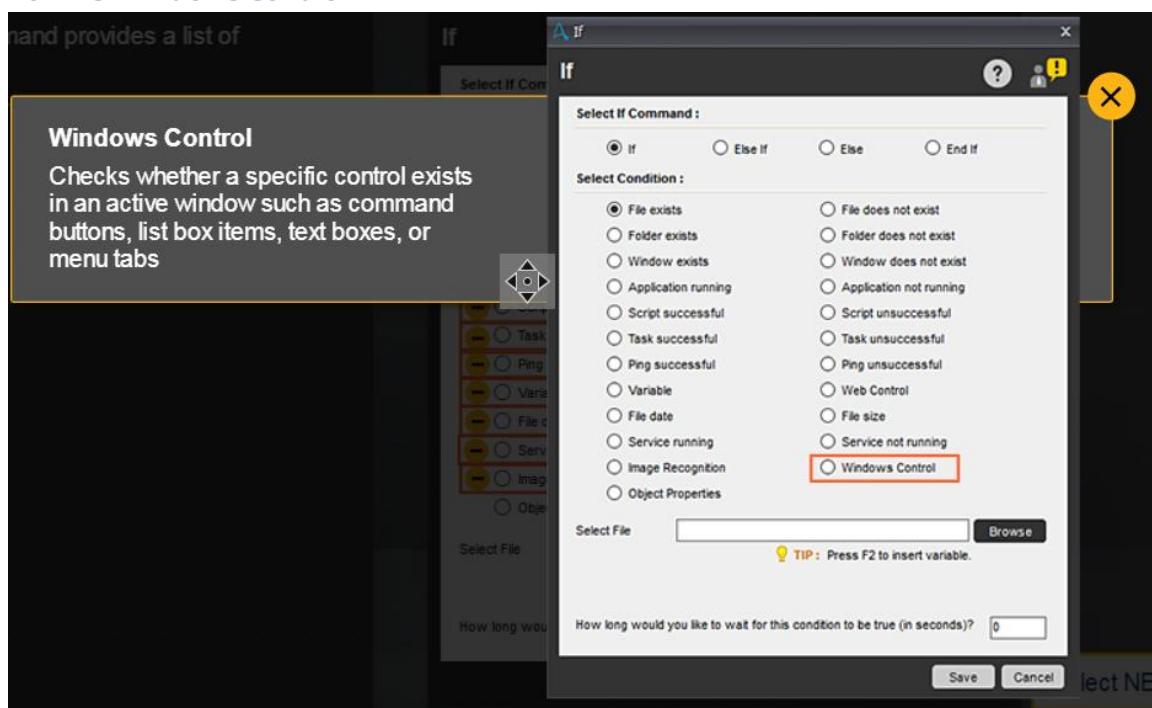
Note

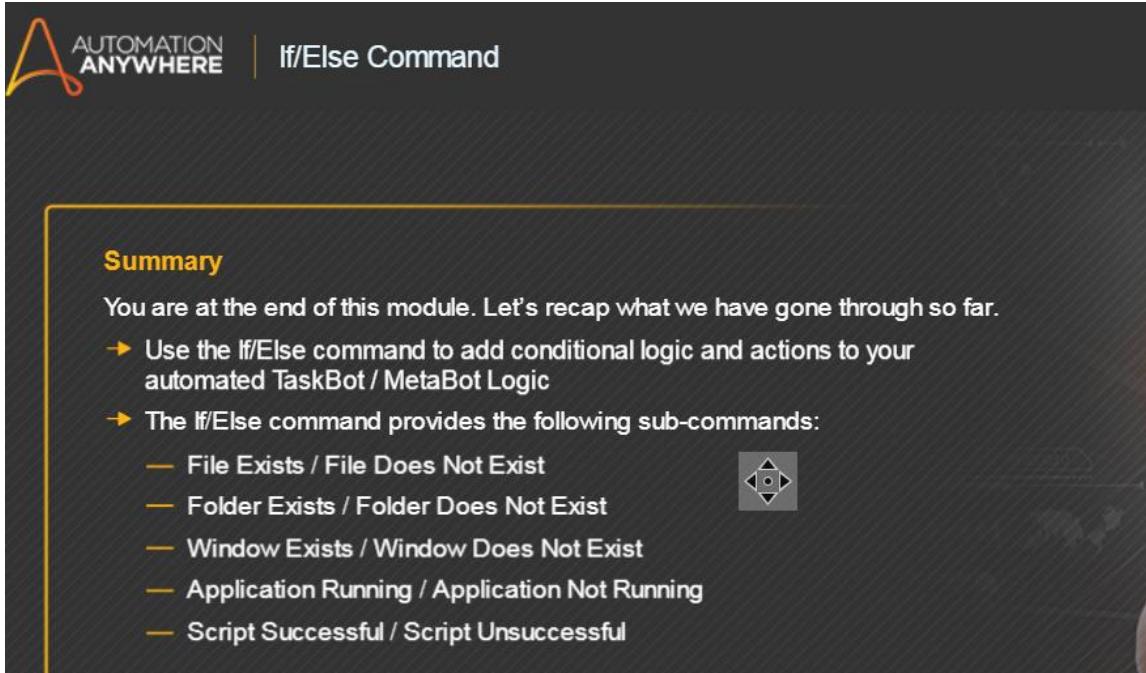
If you have upgraded to version 8.1.2 and changed the parameter to Select Page, you will have to re-capture the control. Refer Editing a Web-only Task with Web Recorder Command for details.

10.2.12 File Size



10.2.13 Windows Control



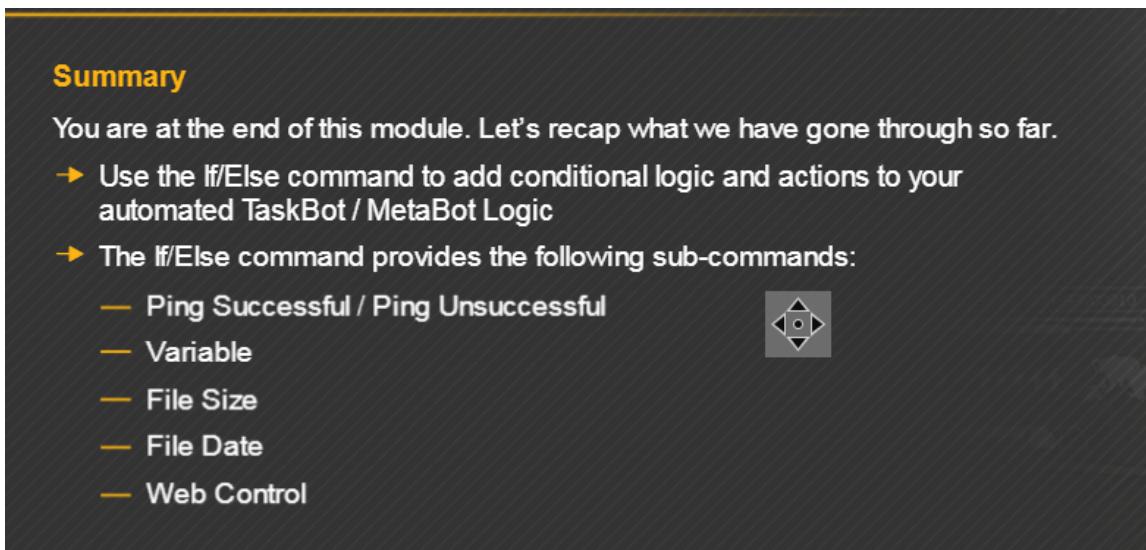


The screenshot shows the Automation Anywhere RPA Professional (V11) software interface. In the top navigation bar, the 'If/Else Command' is selected. On the left, there's a sidebar with the 'AUTOMATION ANYWHERE' logo. The main content area displays a summary of the module's content.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Use the If/Else command to add conditional logic and actions to your automated TaskBot / MetaBot Logic
- The If/Else command provides the following sub-commands:
 - File Exists / File Does Not Exist
 - Folder Exists / Folder Does Not Exist
 - Window Exists / Window Does Not Exist
 - Application Running / Application Not Running
 - Script Successful / Script Unsuccessful



The screenshot shows the Automation Anywhere RPA Professional (V11) software interface. In the top navigation bar, the 'If/Else Command' is selected. On the left, there's a sidebar with the 'AUTOMATION ANYWHERE' logo. The main content area displays a summary of the module's content.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Use the If/Else command to add conditional logic and actions to your automated TaskBot / MetaBot Logic
- The If/Else command provides the following sub-commands:
 - Ping Successful / Ping Unsuccessful
 - Variable
 - File Size
 - File Date
 - Web Control

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Use the If/Else command to add conditional logic and actions to your automated TaskBot / MetaBot Logic
- The If/Else command provides the following sub-commands:
 - Image Recognition
 - Object Property
 - Window Controls



11. Manage Web Control Command

The screenshot shows the Automation Anywhere RPA Professional interface. At the top, there is a navigation bar with icons for Home, Record, Run, Test, Help, and Logout. Below the navigation bar, the title "Manage Web Controls Command" is displayed. On the left, there is a sidebar with the title "About Manage Web Controls Command". A text box within this sidebar contains the following information: "The Manage Web Controls command captures objects on the web page and works with them." In the center of the screen, there is a large window titled "Commands" with a sidebar titled "MetaBots". The main pane of the "Commands" window lists various commands under categories such as "Run Script", "SAP Integration", "Screen Capture", "Send Email", "Services", "SNMP", "SOAP Web Service", "String Operation", "System", "Task", "Terminal Emulator", "Variable Operation", "Wall", and "Web Recorder". Under the "Web Recorder" category, the "Manage Web Controls" command is listed and highlighted with a yellow box. A speech bubble at the bottom right of the window says "Select NEXT to continue.".

Uses of Manage Windows Control Command

This command is useful in:

- ▶ Performing actions on the controls
- ▶ Assigning captured properties to variables; and
- ▶ Recording actions that are performed simultaneously

Tip

Manage Windows Control Command can perform actions that use only standard Windows controls. If your application contains customized controls, it might not be able to capture them.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- ▶ The Manage Windows Control command allows you to capture Windows control properties such as, buttons, list box items, text-boxes, menu tabs, combo boxes, checkboxes, and tables.
- ▶ It enables you to:
 - Perform specific actions such as left-click, right-click and double-click
 - Assign captured actions to variable only when using Set/Append text
 - Simultaneously record actions that are performed

12. File and Folder

The screenshot shows the 'File/Folder Command' section of the Automation Anywhere RPA Professional interface. At the top left is the Automation Anywhere logo. To its right, the text 'File/Folder Command' is displayed. Below this, a heading 'About File and Folder commands' is followed by a subtext: 'The File and Folder commands provide an easy way to operate files and folders.' A horizontal dashed line separates this from a grid of icons. The grid contains seven icons: 'Create' (document with plus), 'Open' (folder), 'Copy' (document with copy symbol), 'Move' (four arrows), 'Rename' (document with edit icon), 'Delete' (document with X), and 'Organize' (stacked folder). Below the grid, a note states: 'This command offers advanced operations for working with files and folders based on:' followed by two more icons: 'Size' (document inside a folder) and 'Date created or modified' (document with keyhole).

AUTOMATION ANYWHERE | File/Folder Command

About File and Folder commands

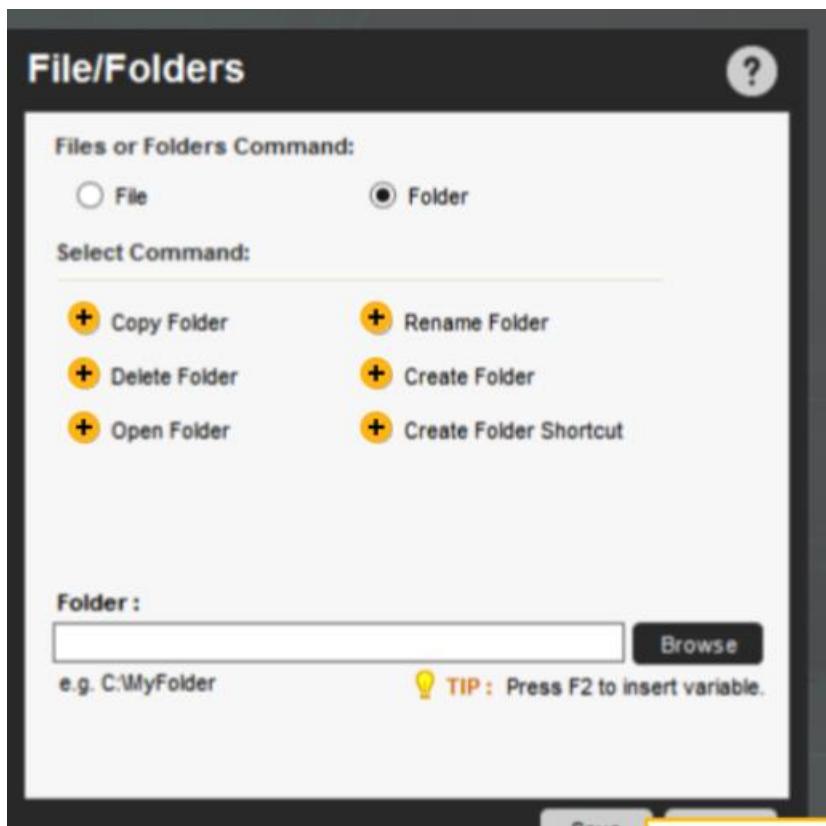
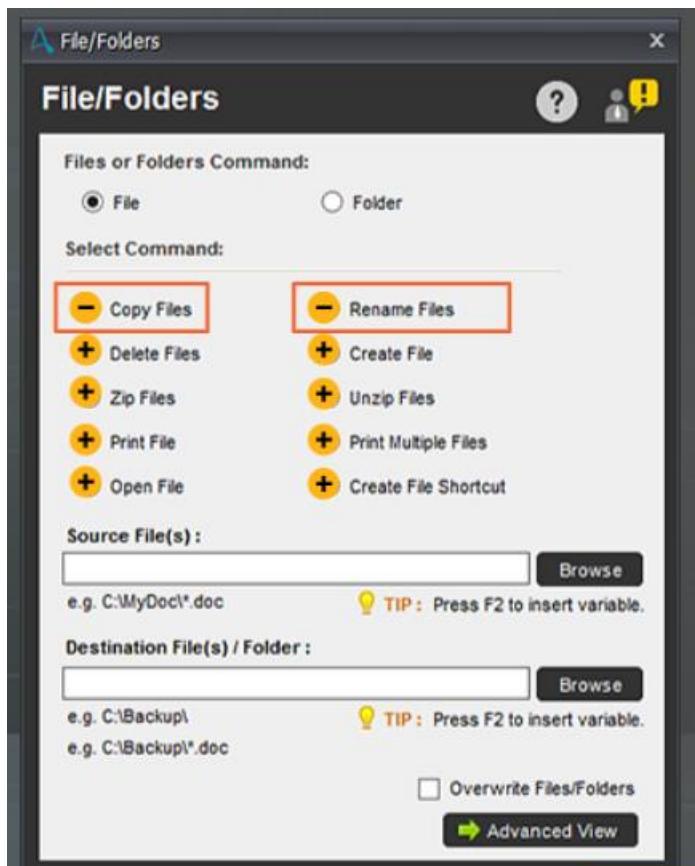
The File and Folder commands provide an easy way to operate files and folders.

Create Open Copy Move

Rename Delete Organize

This command offers advanced operations for working with files and folders based on:

Size Date created or modified



Summary

You are at the end of this module. Let's recap what we have gone through so far.

► The file command provides the following options:

- Copying an existing
- Renaming
- Deleting an existing file
- Creating a new file
- Compressing a group of files into a ZIP file
- Extracting files from a Zip folder



Summary

You are at the end of this module. Let's recap what we have gone through so far.

► The file command provides the following options:

- Printing a file and multiple files in a folder
- Opening an existing file and
- Creating file shortcut for opening a file

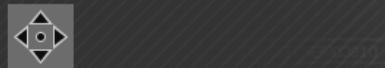


Summary

You are at the end of this module. Let's recap what we have gone through so far.

→ **Folder commands:**

- Copying an existing folder
- Deleting a folder
- Opening a folder
- Rename an existing folder
- Creating new folders, as well as
- Creating folder shortcuts



13. Object Cloning

AUTOMATION ANYWHERE | Object Cloning Command

Different Modes of Capturing Objects

The Object Cloning command provides three modes of capturing objects from desktop and web-based applications.

Note: If you enable 'Secure Recording mode', no values and images are captured. The Edge application should be open when automating using the browser. If the automation is recorded in Internet Explorer, it will not play in Edge.

If you enable 'Secure Recording mode', no values and images are captured. The Edge application should be open when automating using the browser. If the automation is recorded in Internet Explorer, it will not play in Edge.

Object Cloning

Select Window : Inbox - ami.panchal@automationanywhere.com - Outlook

Capture Click and hold the mouse and drag the mouse where you want to Capture.

Select Play Mode : Object Coordinates Image

OBJECT COORDINATES IMAGE

Search Image :

Min. percentage to Image Match : 100 %

Select Action To Perform : Left Click

Secure Recording Mode. Image not captured.

Re-Capture Image

Legacy Technology

TIP : Press F2 to insert a variable.

Click 'Re-Capture Position/Recapture Image' in case of any discrepancy in captured co-ordinates or image.

Select NEXT to continue.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Object cloning command allows you to create and play tasks that use technology specific applications.
- The Object Cloning Command captures the following from desktop, web-based applications and windows that use technologies such as Flex, Silverlight, Java and Html etc.
 - Objects
 - Co-ordinates
 - Image



BENEFITS OF USING THE COMMAND

Object Cloning command can be used for web and windows-based application. User can capture objects in three modes: Object, Coordinates and Image

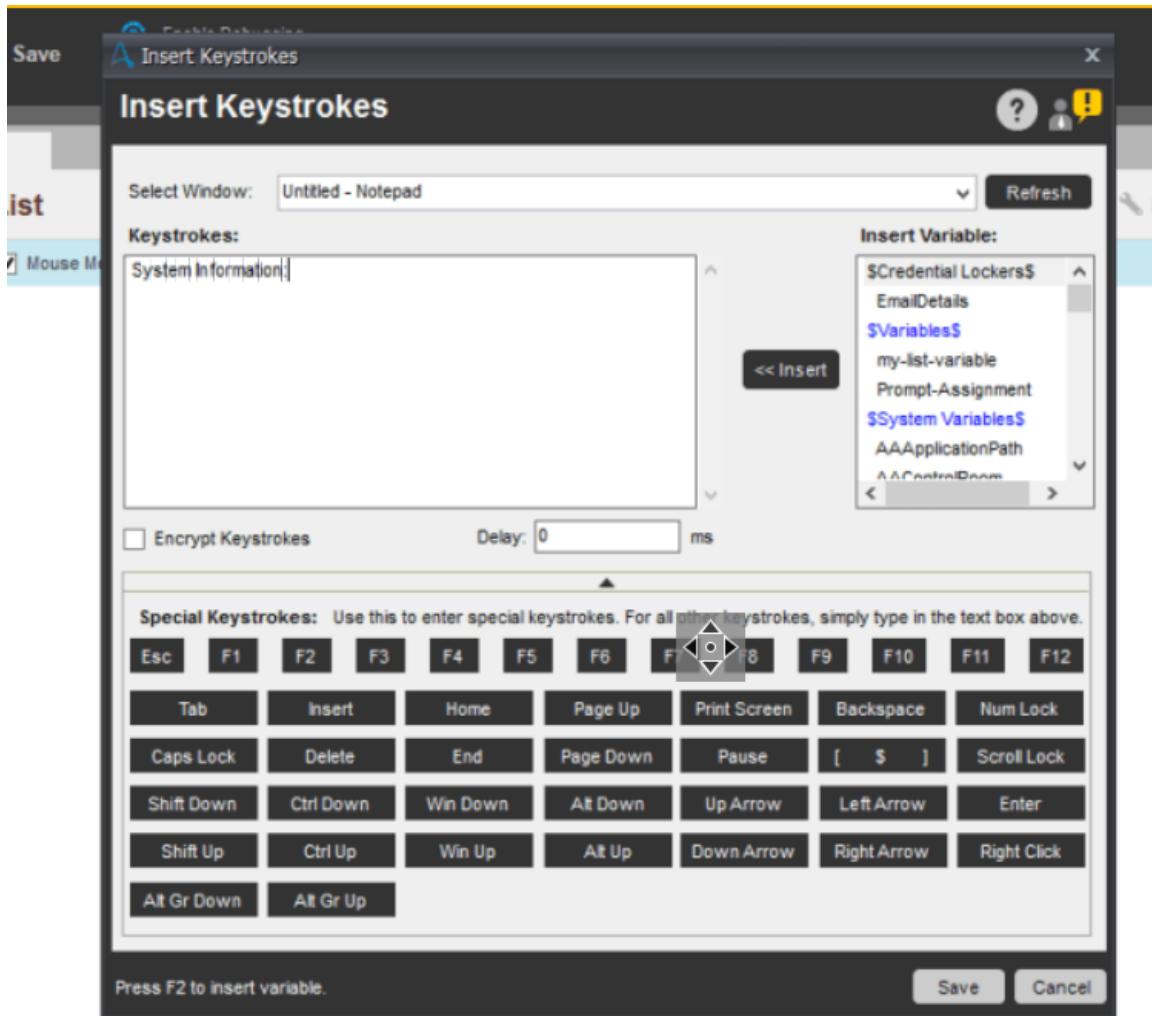
14. Insert Key Stroke Command

The screenshot shows the Automation Anywhere RPA Professional interface. In the top left, there's a logo and the text 'AUTOMATION ANYWHERE'. The main title is 'Insert Keystrokes Command'. On the left, there's a 'Note' section with a note about supported languages: German, Italian, French, and Spanish. Below it is a 'Tip' section. The central part is a 'COMMANDS' catalog with a tree view of various automation components. The 'Insert Keystrokes' command is highlighted with a red box. A yellow callout bubble points to this command with the text 'Select Next to Continue.'.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

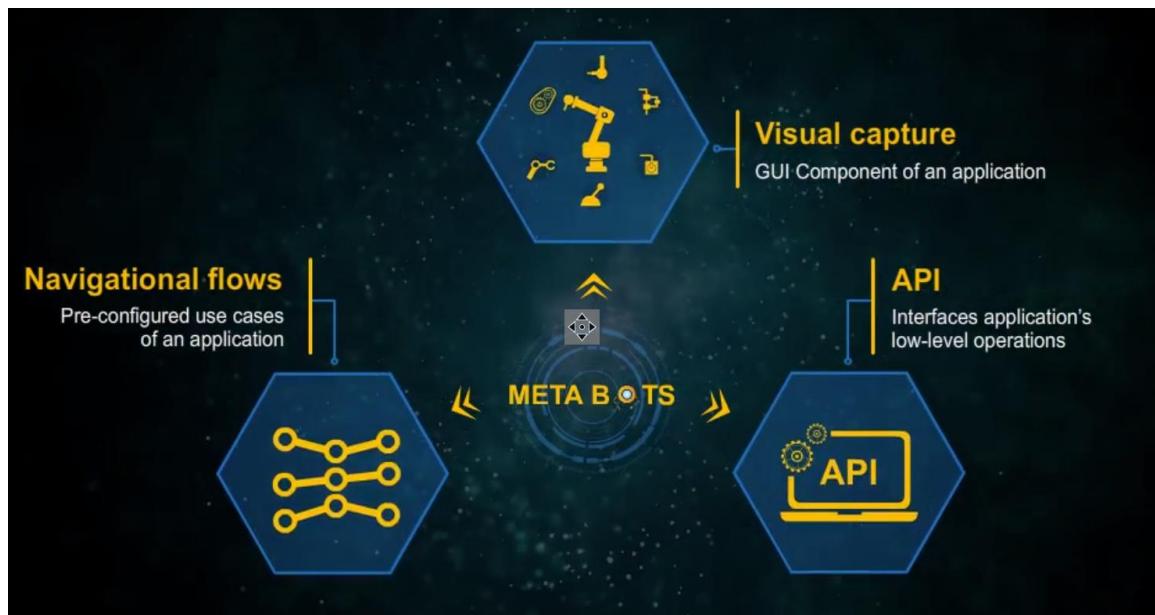
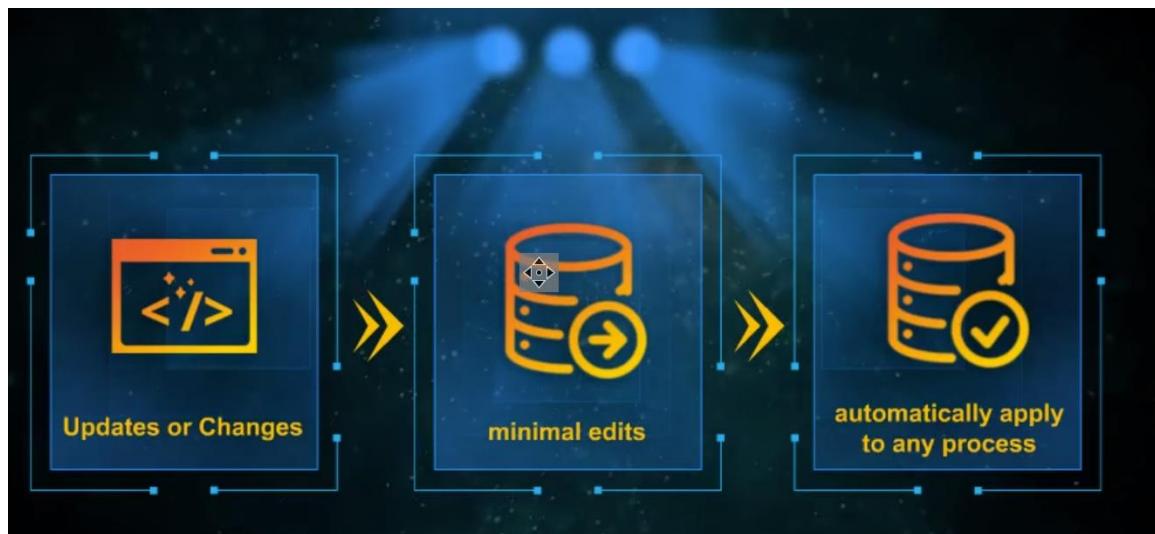
- Use the Insert Keystrokes command to automate the of keystrokes in an application using your automation TaskBot or MetaBot Logic.
- Before using the Insert Keystrokes command, verify that the application window is open.



BENEFITS OF USING THE COMMAND

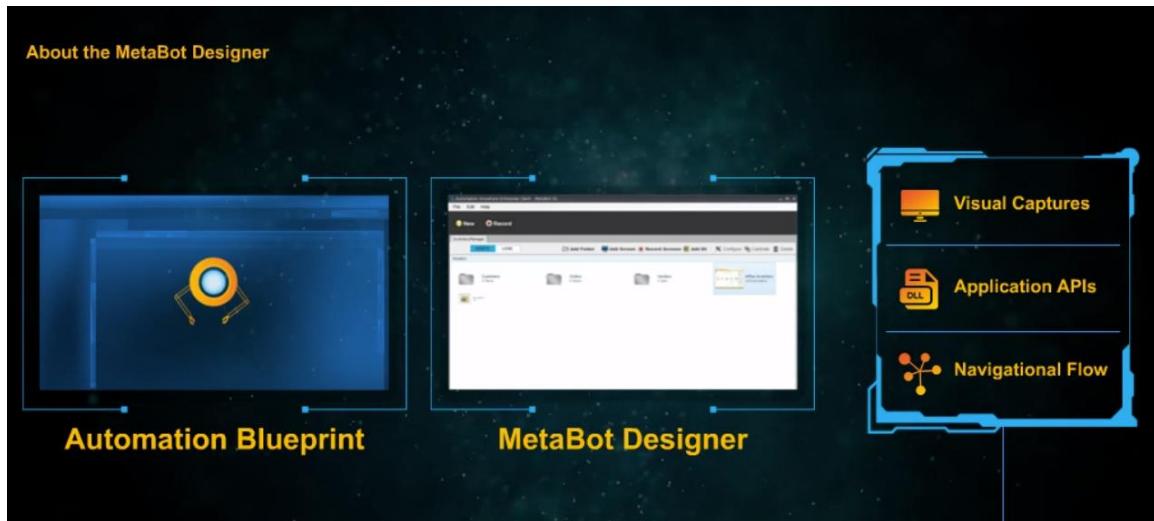
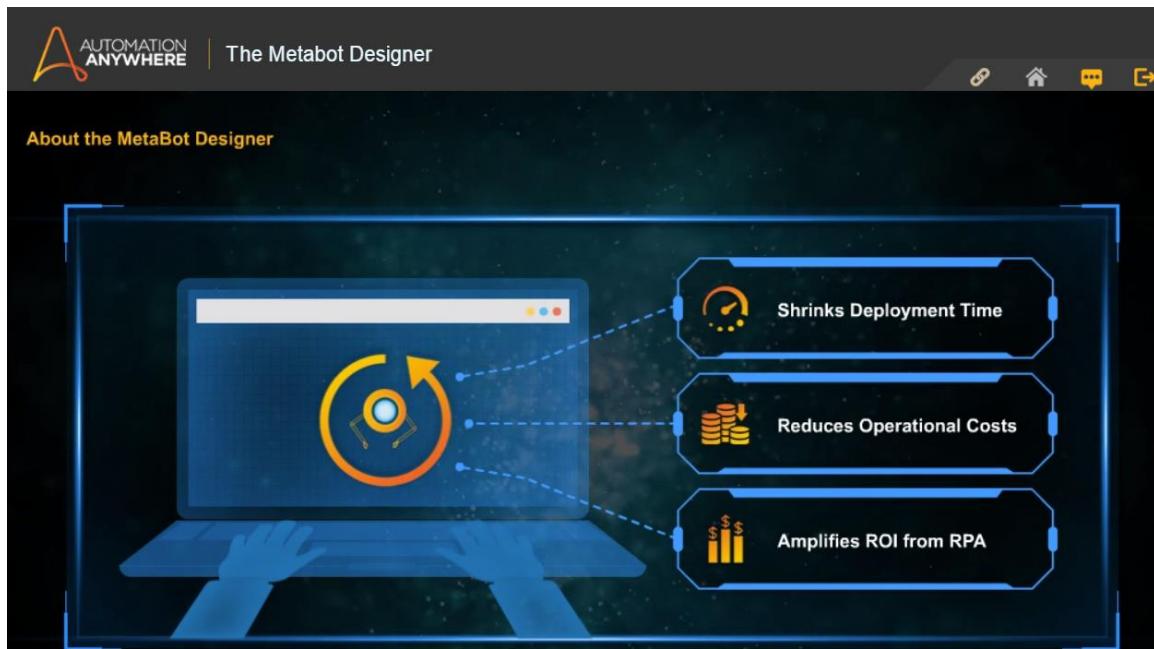
Use this command to automate the typing of keystrokes in an application and apply shortcut keys to perform a menu function or other common functions in an application.

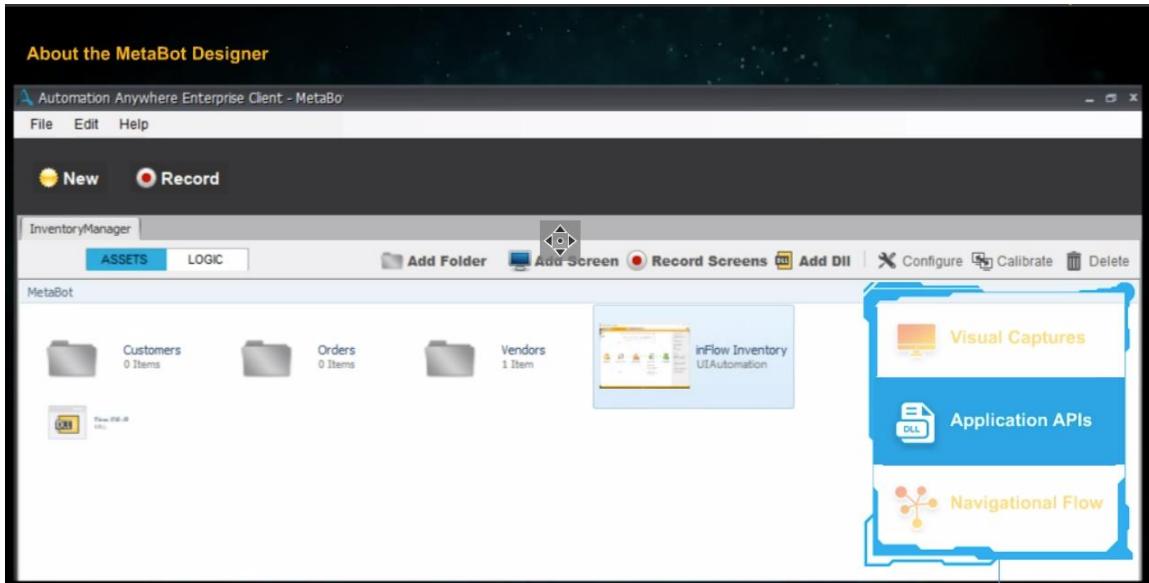
15. Meta Bots





15.1 Meta bot designer

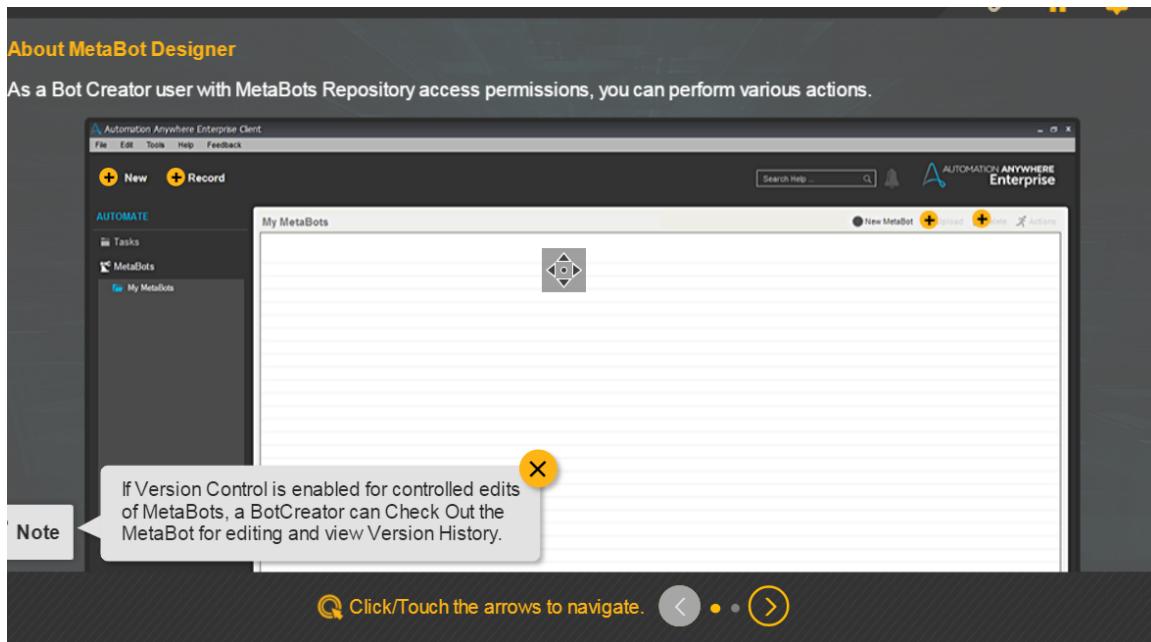




Objectives

By the end of this module, you will be able to:

- Describe MetaBot Designer
- Explain about the MetaBot Designer – Assets Logic
- Describe the features of the Assets view
- Describe the features of the Logic view
- Demonstrate how to create a MetaBot using MetaBot Designer



Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Metabot is:
 - Reusable automation building blocks
 - Blueprint of an application
 - Built using Metabot Designer
- MetaBot Designer can be accessed from the Enterprise Client application
- BotCreator user with MetaBots Repository access permissions can creates, record, upload and delete MetaBots

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- MetaBot Designer consist of the following two tabs:

- Logic
- Assets



BENEFITS OF USING THE COMMAND

- MetaBots are highly re-usable; create once, use everywhere. They can be leveraged by any automation task.
- Enterprises can leverage MetaBot library to standardize org-wide automation in a rapid manner.
- MetaBots ensures systematic, accelerated automation ROI.
- MetaBots help to eliminate common navigational errors in complex automation tasks.
- MetaBots help to automate without requiring access to live application.
- MetaBots can be easily calibrated to newer versions of applications to ensure compatibility.

KEY TAKEAWAYS

- ✓ You will have to invoke the application screen before using the Add Screen feature. Also, if the application is closed, you will be prompted to open the required application.
- ✓ When interacting with an application in a workflow mode, use Record Screen, instead of Add Screen, to record all the Screens/UI elements. These UI elements cannot be captured using Add Screen.
- ✓ Deleting a MetaBot from the MetaBot Designer doesn't delete it from Control Room.
- ✓ If an application has multiple exe's, you are required to create a separate MetaBot for each.

16. Bot Insights



16.1 Business Analytics

A screenshot of a slide from the Automation Anywhere Business Analytics module. At the top left is the Automation Anywhere logo and the text "Business Analytics". On the right, there is a photograph of a person's hand interacting with a futuristic, glowing circular interface.

Objectives

By the end of this module, you will be able to:

- Describe how to perform Business Analytics
- Describe the different types of analytics roles
- Explain the Business Analytics interface displayed for each role
- Demonstrate how to generate the Business Analytics Dashboard to view reports

The screenshot shows the 'Bot Insight' interface from the Automation Anywhere platform. The top navigation bar includes the Automation Anywhere logo, a search bar with the query 'EMPLOYEE DATAPUBLISHED', and several icons for sharing, bookmarking, and comparing. The main dashboard features several cards:

- A large card for 'Employee Data Published' showing a total volume of 31.
- A card for 'What's the total Entry Fee (USD)?' showing a total of 14,100.00.
- A chart titled 'How does Age vary by Country?' showing data for Philippines, India, and China.
- A chart titled 'How does Age vary by Employee Name?' showing data for Tom, Alice, Carol, and Stephanie.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

Business Analytics can be performed using Automation Anywhere's Bot Insight product, this is a web-based application.

Bot Insight roles include:

- Analytics Experts
- Analytics Consumer
- Control Room Admin

Summary

You are at the end of this module. Let's recap what we have gone through so far.

A user with Analytics Expert role can view two tabs in the Bot Insight tool, which include:

- Dashboard - It provides a customizable reports that can be published to be viewed by Analytics Consumers.
- Data profile - It allows you to inspect the data profile against each variable that was marked for Analytics within the task.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

A user with Analytics Consumer role can view only the Dashboard tab that provides a customizable report published by Analytics Experts.

They can:

- Share reports via email
- Bookmark the dashboards
- Compare dashboards

BENEFITS OF USING THE COMMAND

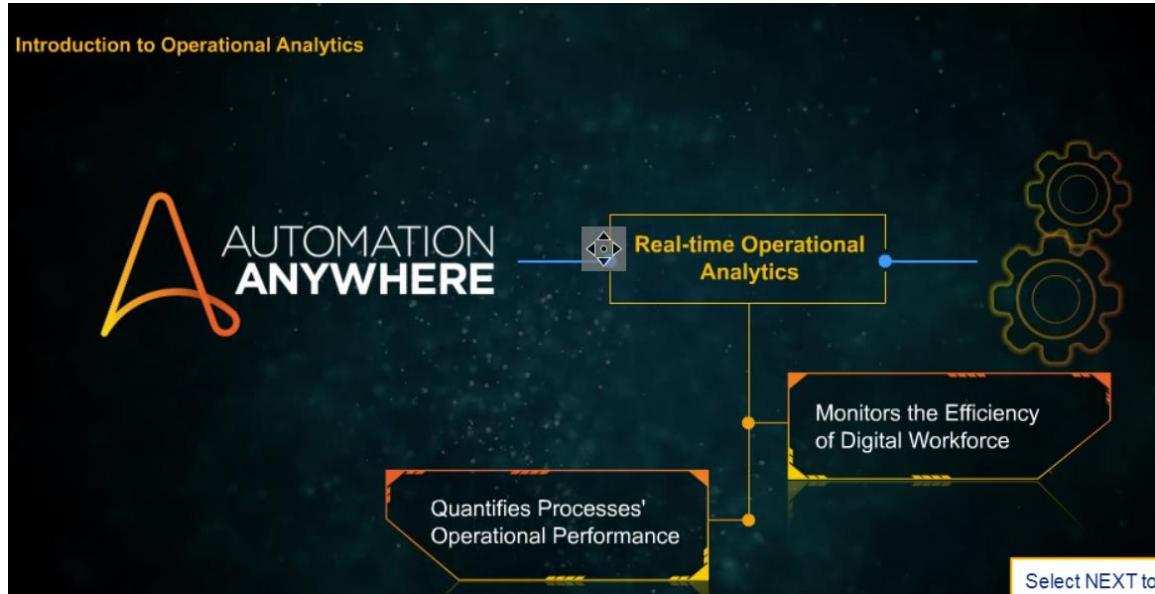
With Business Analytics, you can:

- Quantify business value added by Bots,
- Identify new opportunities from business insights,
- Quickly prototype, measure and showcase new RPA candidates (that is Bots), and
- Scale up automations and improve business process efficiency

KEY TAKEAWAYS

- ✓ Before generating the analytics dashboard for the data processed by the Bot, it is mandatory to perform the following steps. If any one step is not performed, the "Unable to generate Dashboard" message is displayed when Bot Insight is launched.
 - ✓ Tag the variables of interest
 - ✓ Log the task to enable the data for analytics
 - ✓ Execute the Bot
- ✓ In order to customize the system generated dashboard, you must login as Business Analytics Expert user.

16.2 Operational Analytics



AUTOMATION ANYWHERE | Operational Analytics

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Operational analytics help to constantly monitor the efficiency and effectiveness of bots.
- Operational related information can be accessed from the following Dashboard pages:

Bots	Provides a graphically summarized view of all the deployed bots in the Control Room
Audits	Allows a Control Room user with View Dashboards permission to view a snapshot of audit information and monitor various events

17. Control Room

17.1 Dashboard

AUTOMATION ANYWHERE | Web Control Room - Dashboards

Home

This module is divided into the following topics with their respective content. All the topics are independent and must be accessed in sequence. Upon completion of each topic, you will be redirected to this page to proceed further.

💡 Click/Touch each topic in sequence to proceed.

The sequence of topics is:

- Introduction
- Dashboards - Home
- Dashboards - Devices
- Dashboards - Audit
- Dashboards - Workload
- Summary

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- The Features Panel allows you to manage and monitor all the processes of your RPA infrastructure.
- It consists of seven important components, which help:
 - Manage Bots
 - Monitor activities
 - Create and manage users and roles
 - Monitor connected and disconnected devices
 - View Audit Logs
 - Schedule when to run Bots

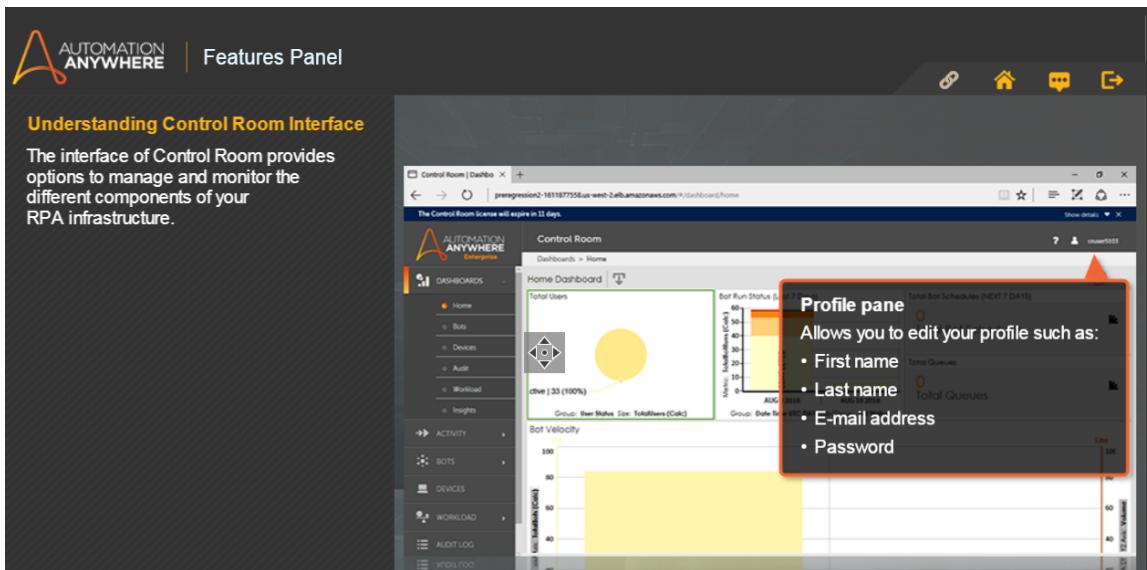
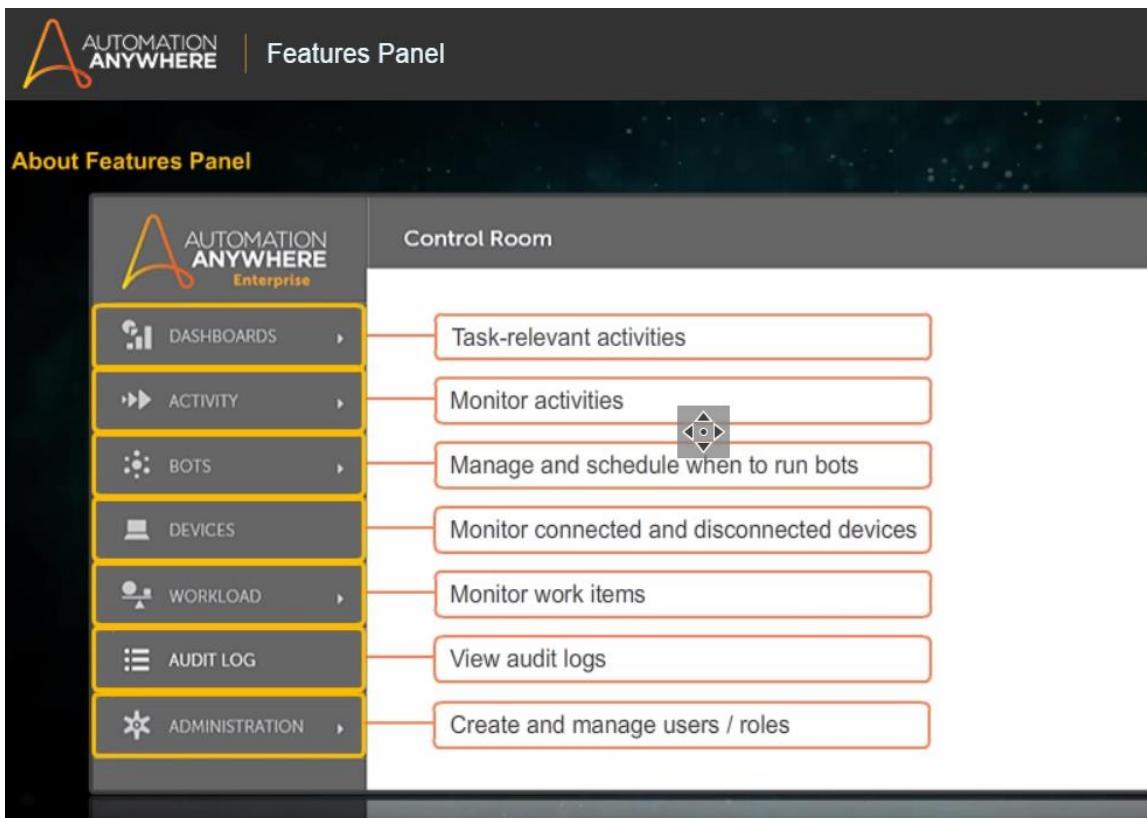


Summary

You are at the end of this module. Let's recap what we have gone through so far.

- The seven components in the Features Panel assist in accessing and managing automation infrastructure anywhere, anytime:
 1. Dashboard – Displays task relevant activities
 2. Activity – Displays the history, tasks in progress, and activities carried out in Control Room
 3. Bots – Manages the automation files repository and schedule or runs tasks
 4. Devices - Displays and manages the status of devices
 5. Workload - Manage various work items
 6. Audit Log - View recent activities of users and administrators
 7. Administration - Creates new and manages existing roles and users (client and administrator)



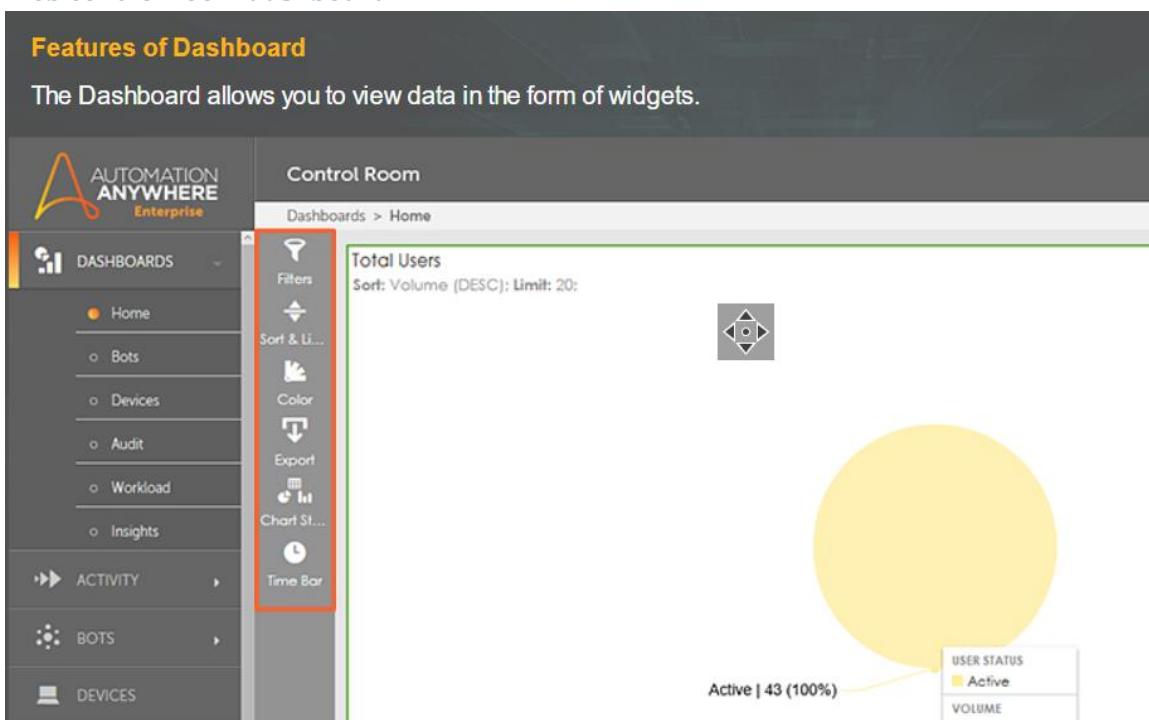




Web control room dashboard

Features of Dashboard

The Dashboard allows you to view data in the form of widgets.

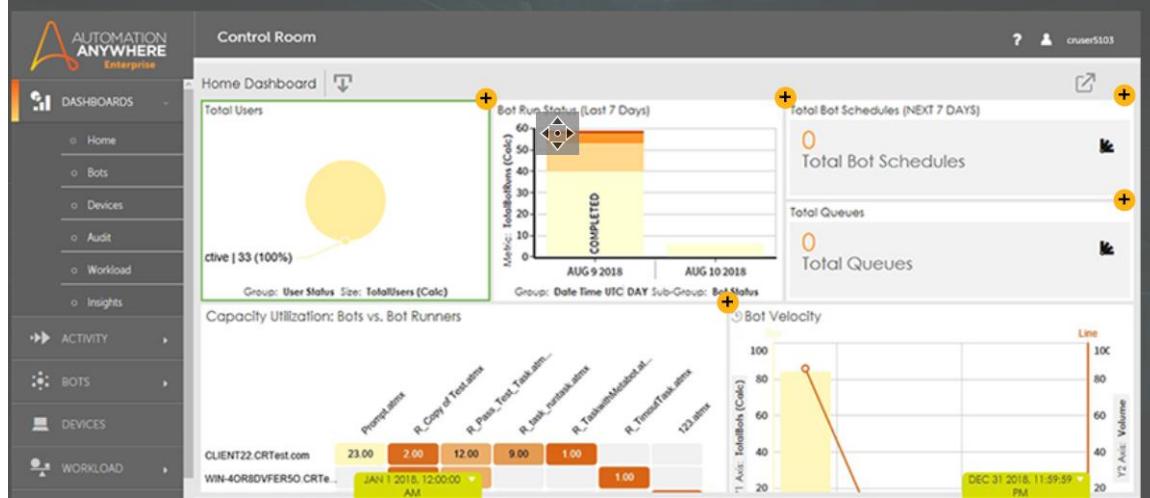


17.1.1 Dashboard Home

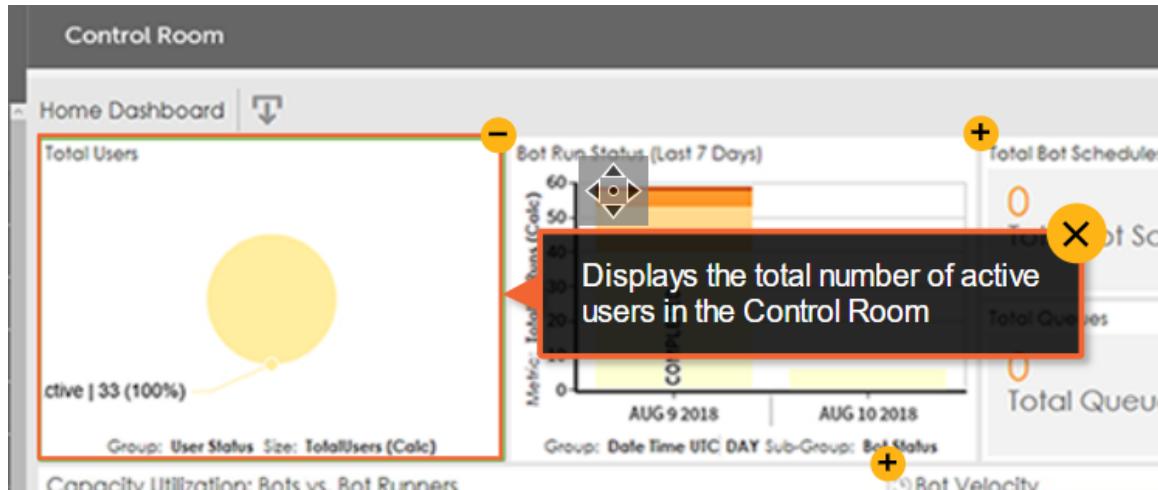
Dashboard Component - Home

The Home Page of the Dashboard provides information.

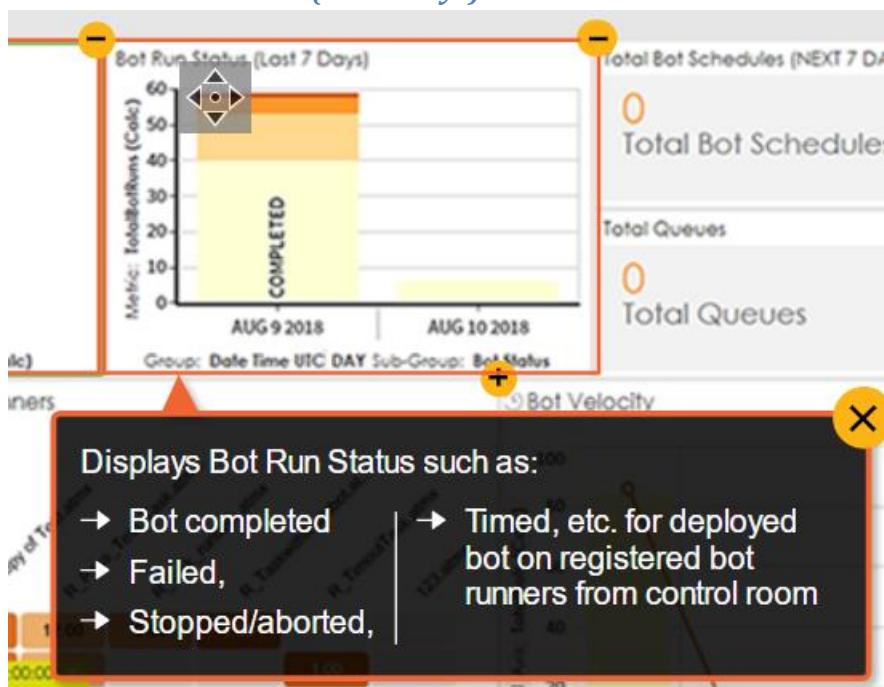
💡 Click/Touch each widget to learn more.



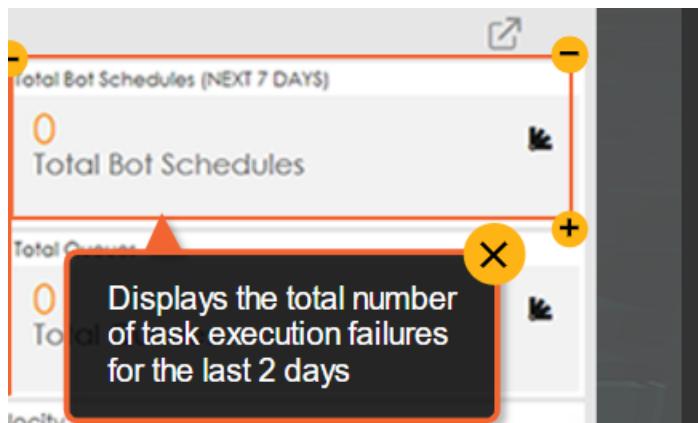
17.1.1.1 Total Active Users



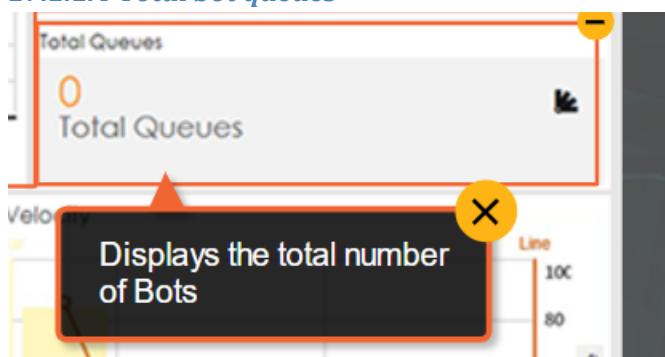
17.1.1.2 Bot run status (Last 7 days)



17.1.1.3 Total bot schedules



17.1.1.4 Total bot queues



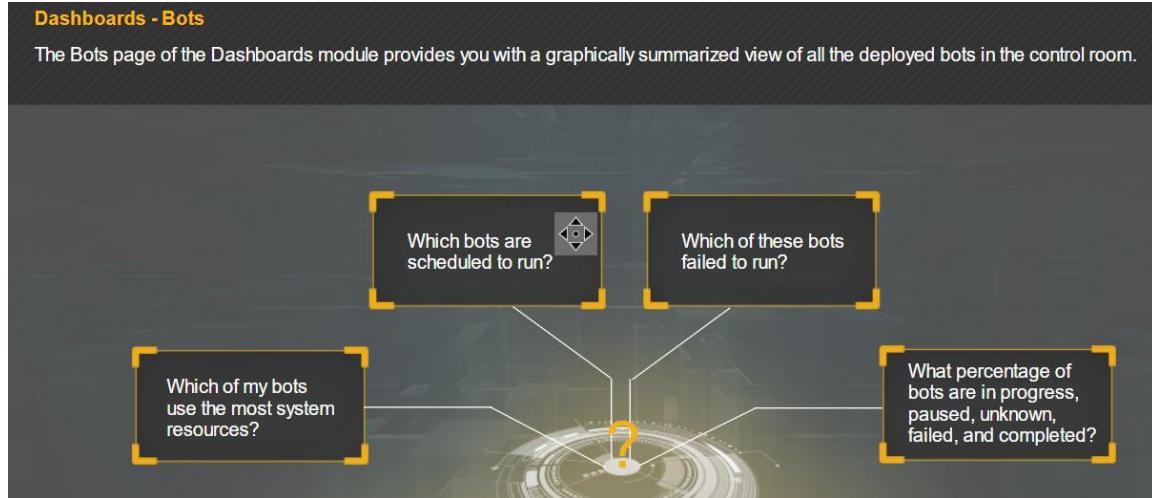
17.1.1.5 Capacity utilization Bots Vs Bots runner



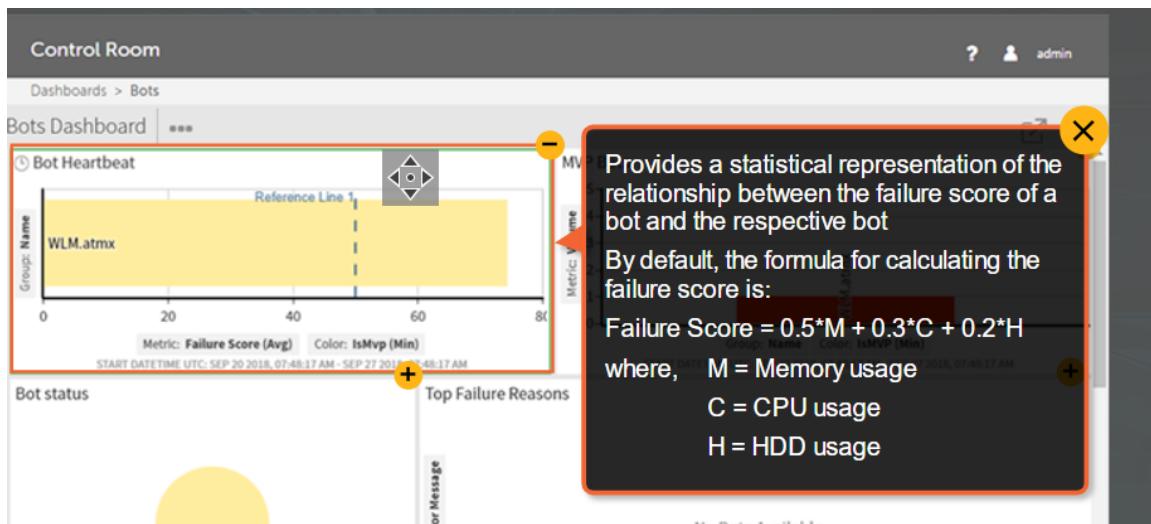
17.1.2 Dashboard- bots

Dashboards - Bots

The Bots page of the Dashboards module provides you with a graphically summarized view of all the deployed bots in the control room.



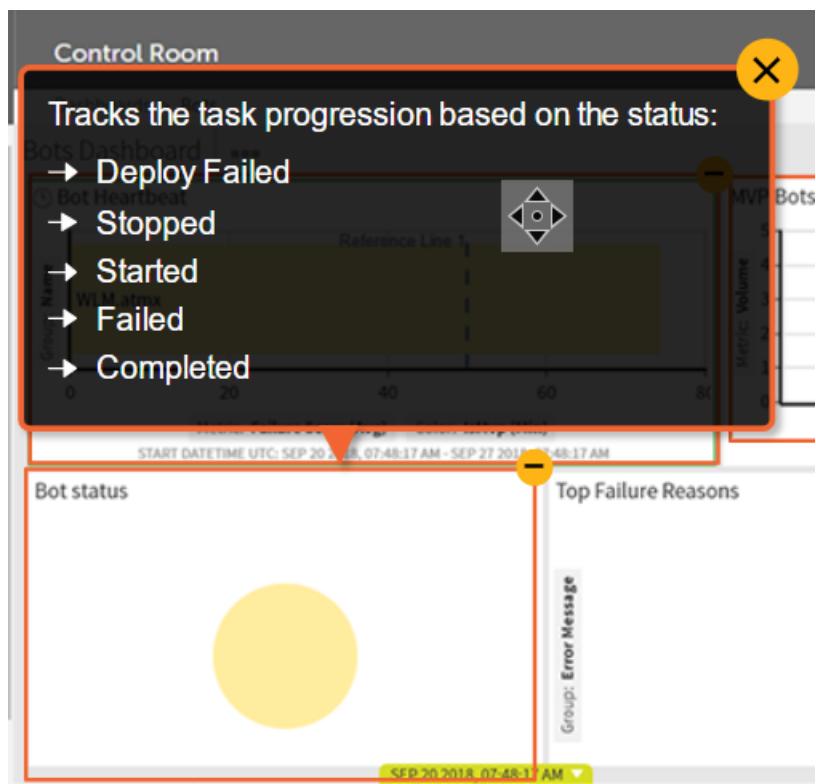
17.1.2.1 Bot- heart beat



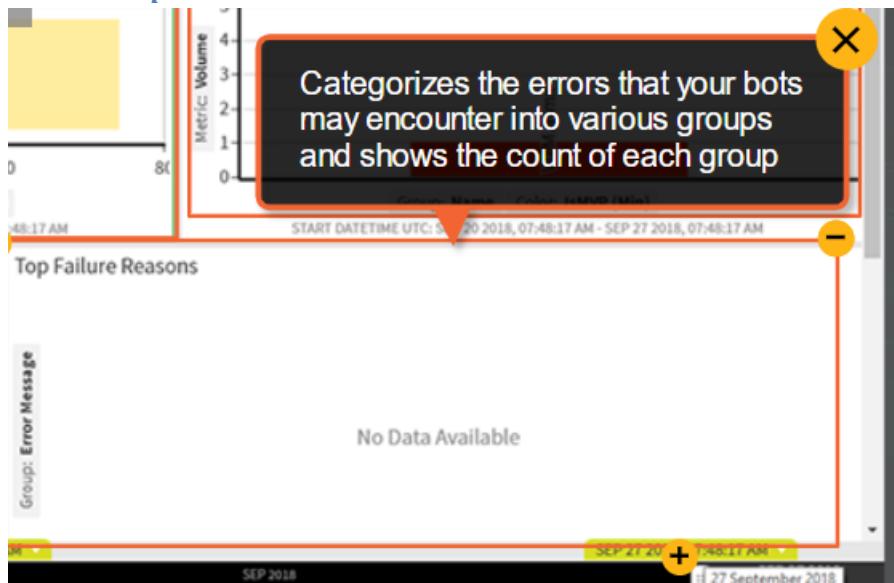
17.1.2.2 MVP Bots



17.1.2.3 Bot Status



17.1.2.4 Top Failure Reasons



17.1.2.5 Upcoming schedule

The screenshot shows a timeline from SEP 20 2018, 07:48:11 PM to SEP 21 2018, 07:48:11 PM. A yellow circle highlights a specific point on the timeline. A callout box with an orange border and white text states: "Displays all bots that are scheduled to run, which are sorted by the number with which they are run".

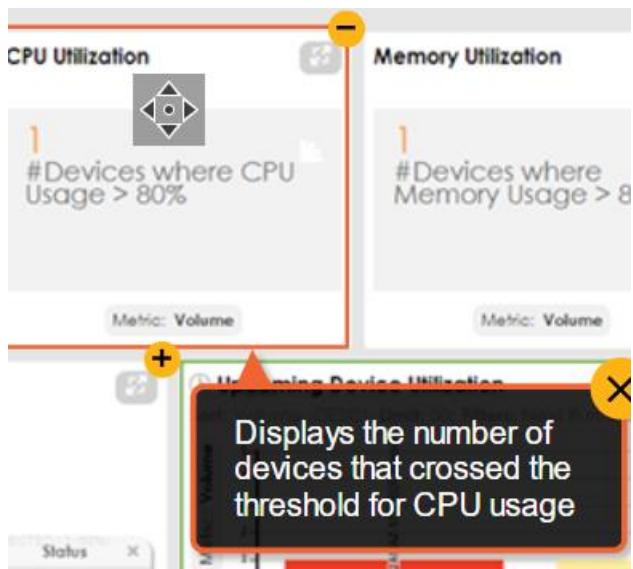
17.1.3 Devices Dashboard

The screenshot shows various metrics for device utilization. Three charts are displayed: CPU Utilization (#Devices where CPU Usage > 80%), Memory Utilization (#Devices where Memory Usage > 80%), and HDD Utilization (#Devices where HDD Usage > 80%). Below these, there is an "Overall Device Status" section showing disconnected devices (40%) and connected devices (60%). A callout box highlights the "Upcoming Device Utilization" chart, which shows device utilization over time.

17.1.3.1 Failure Analysis

The screenshot shows a bar chart titled "Failure Analysis" with the metric "Device Failure Score (Avg)". The chart lists two hosts: ENGGAT90.AASPL-BRD.COM and ENGGAT114.AASPL-BRD.COM. A callout box with an orange border and white text states: "Displays devices with most failures".

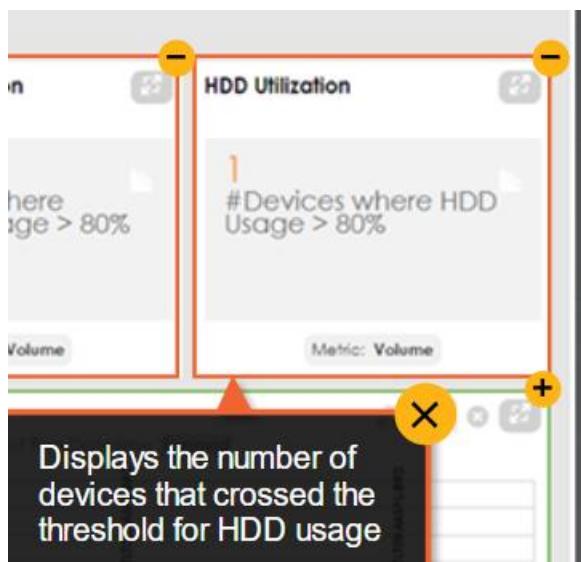
17.1.3.2 CPU Utilization



17.1.3.3 Memory Utilization



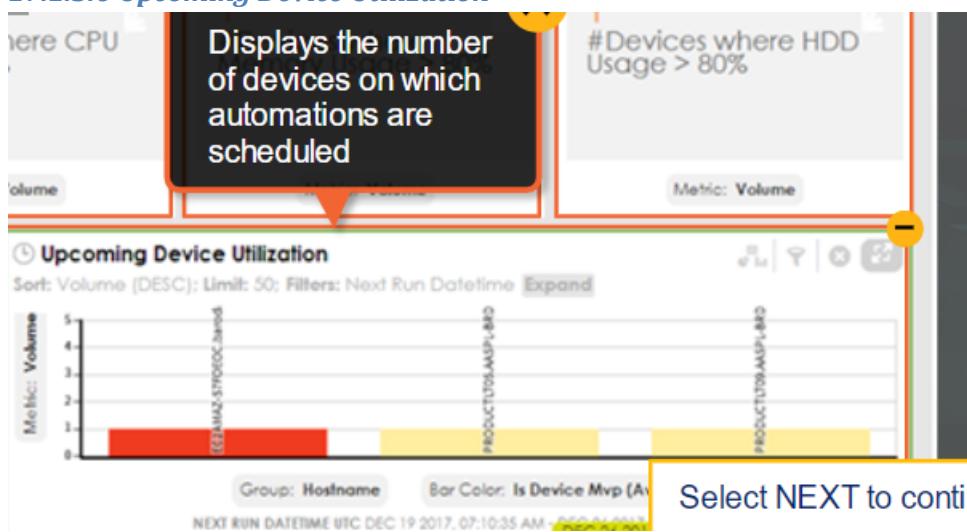
17.1.3.4 HDD Utilization



17.1.3.5 Overall Devices Status



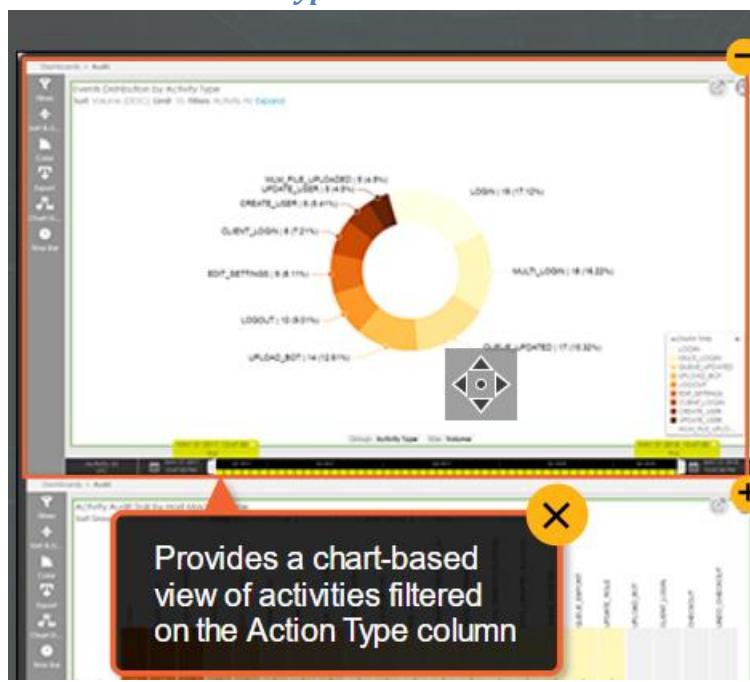
17.1.3.6 Upcoming Device Utilization



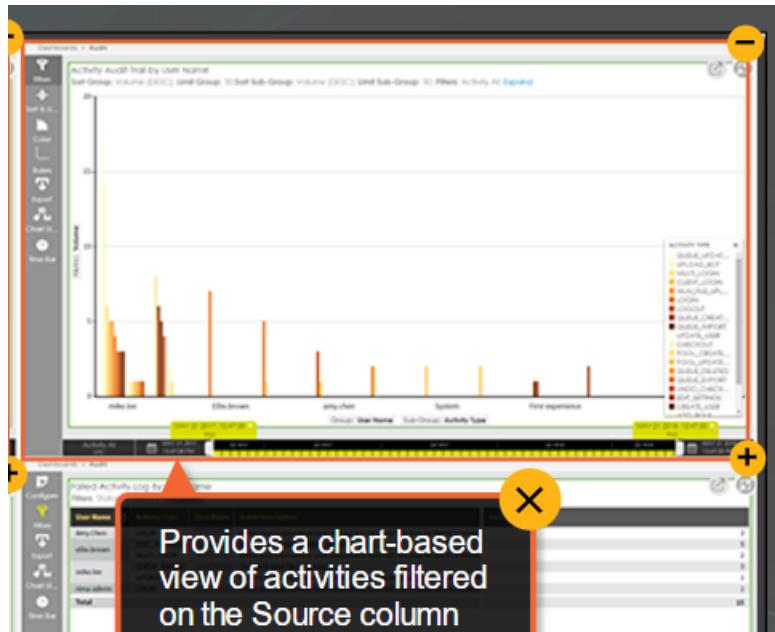
17.1.4 Dashboard Audit



17.1.4.1 View Action Type Column



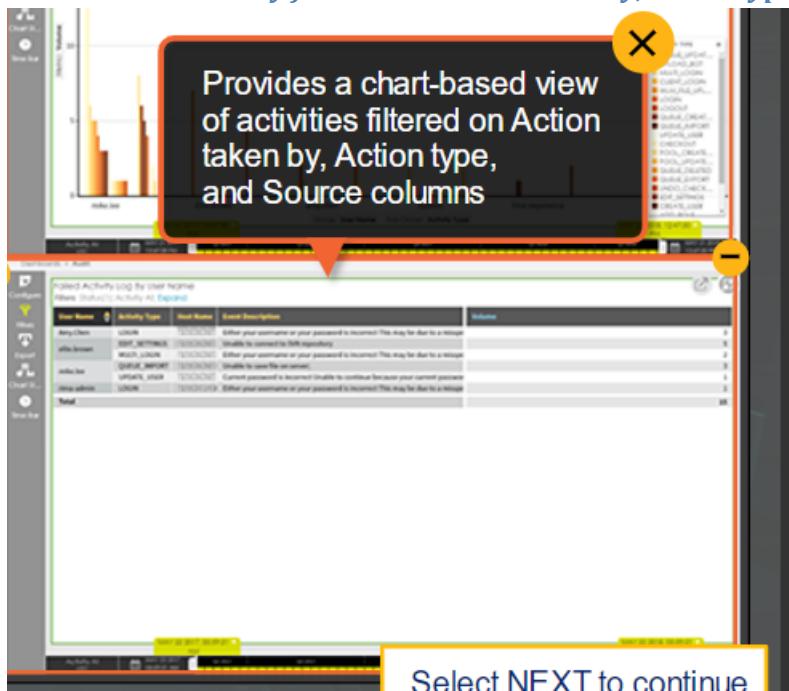
17.1.4.2 View Activity filtered source of column



17.1.4.3 View Activity filtered actions taken by column



17.1.4.4 View Activity filtered on action taken by, action type and source column

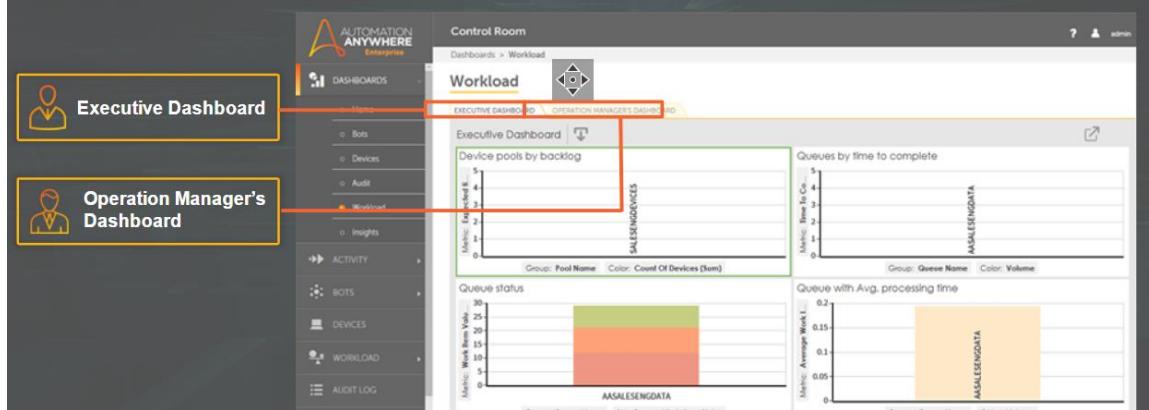


17.1.5 Dashboard- work load

Dashboards - Workload

The Workload page allows you can view the status of device pools, queues and work items in the Workload Executive and or Operation Manager's Dashboard.

💡 Click/Touch each dashboard to learn about it in detail.

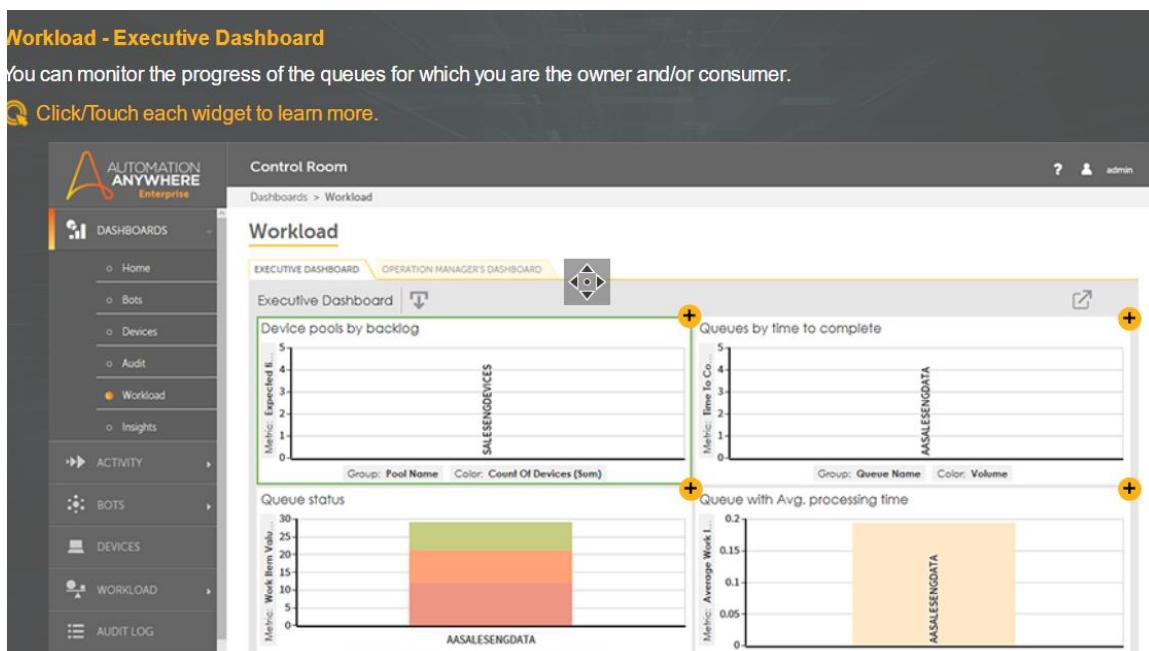


17.1.5.1 Executive Dashboard

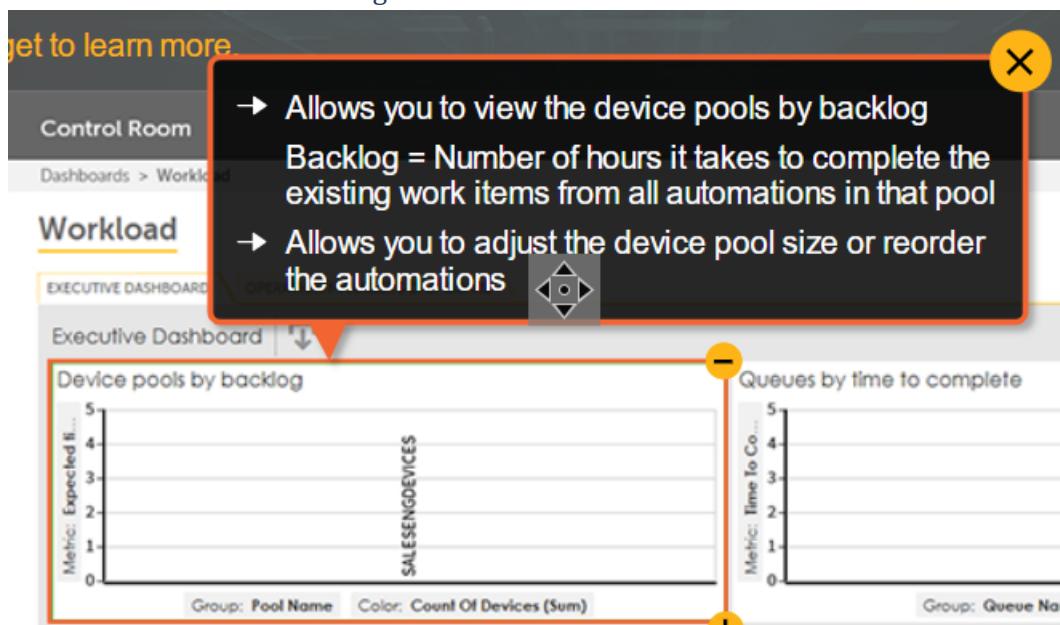
Workload - Executive Dashboard

You can monitor the progress of the queues for which you are the owner and/or consumer.

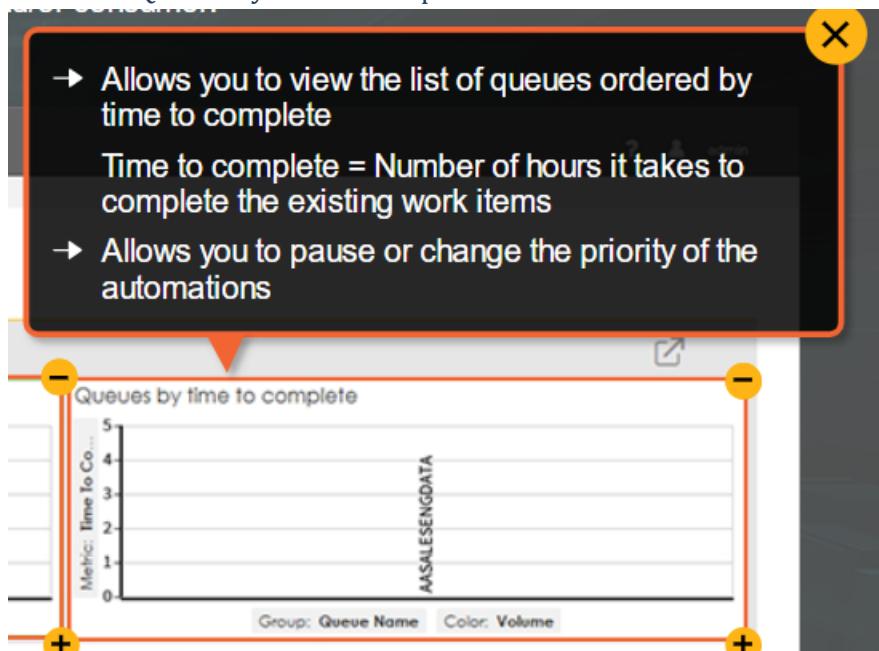
💡 Click/Touch each widget to learn more.



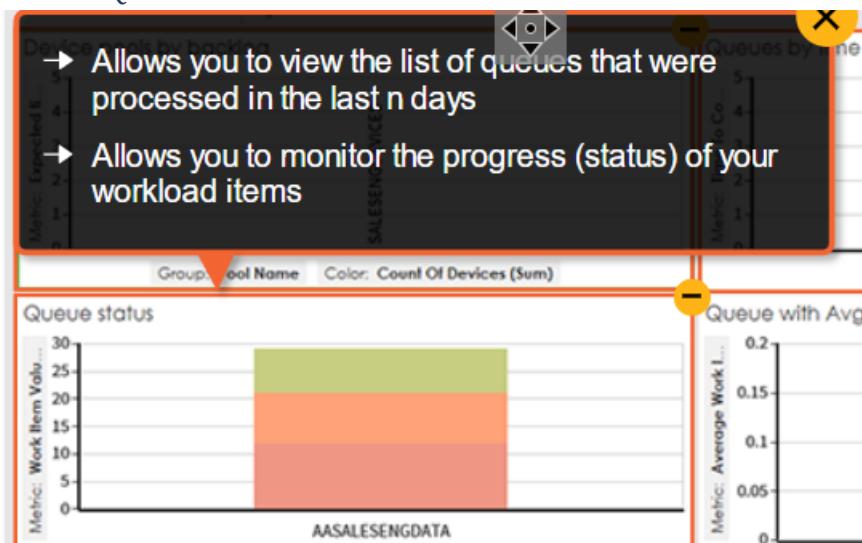
17.1.5.1.1 Device Pool Backlog



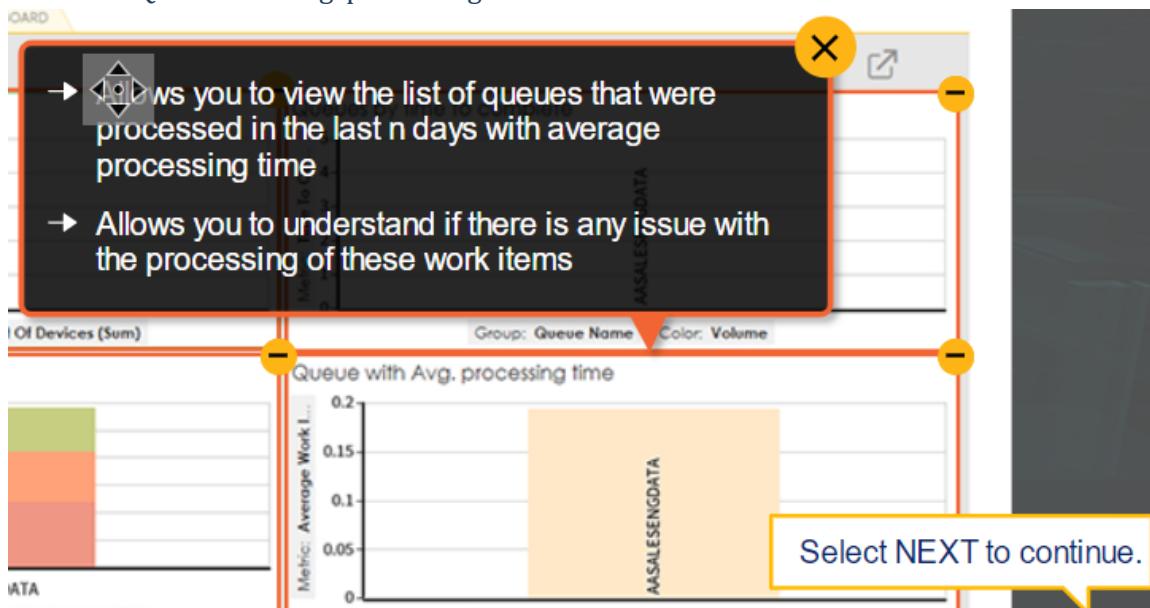
17.1.5.1.2 Queues by time to complete



17.1.5.1.3 Queue Status

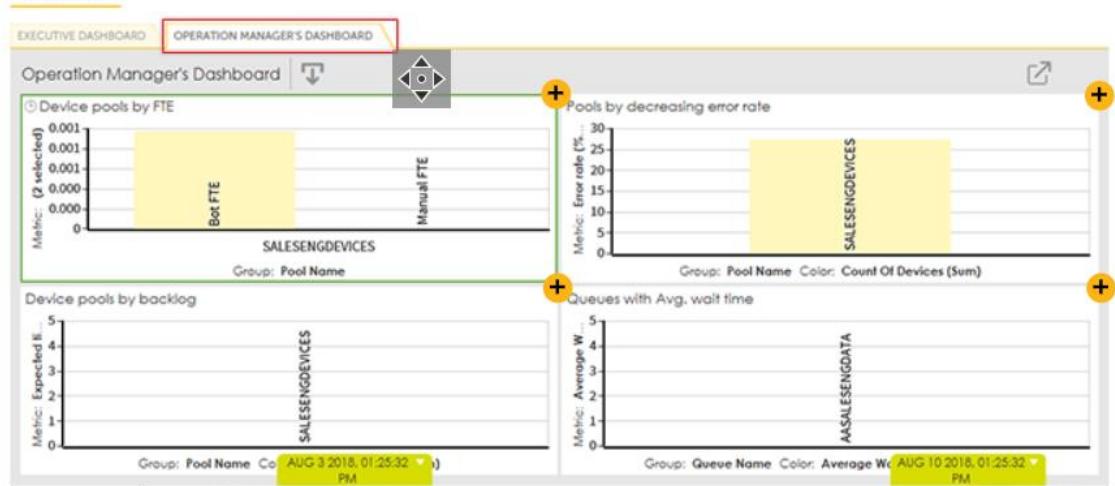


17.1.5.1.4 Queue with Avg. processing time



17.1.5.1.2 Operational Managers Dashboard

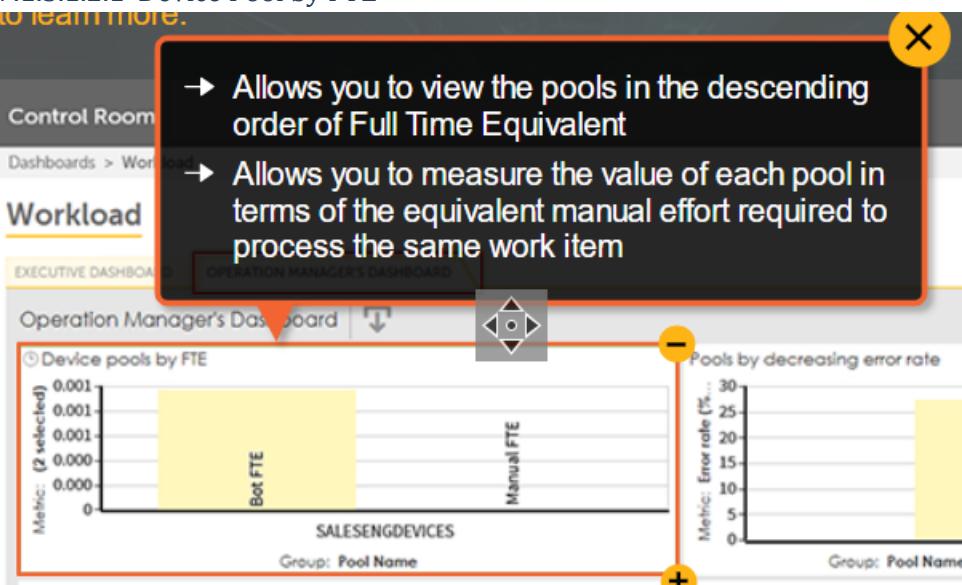
Workload



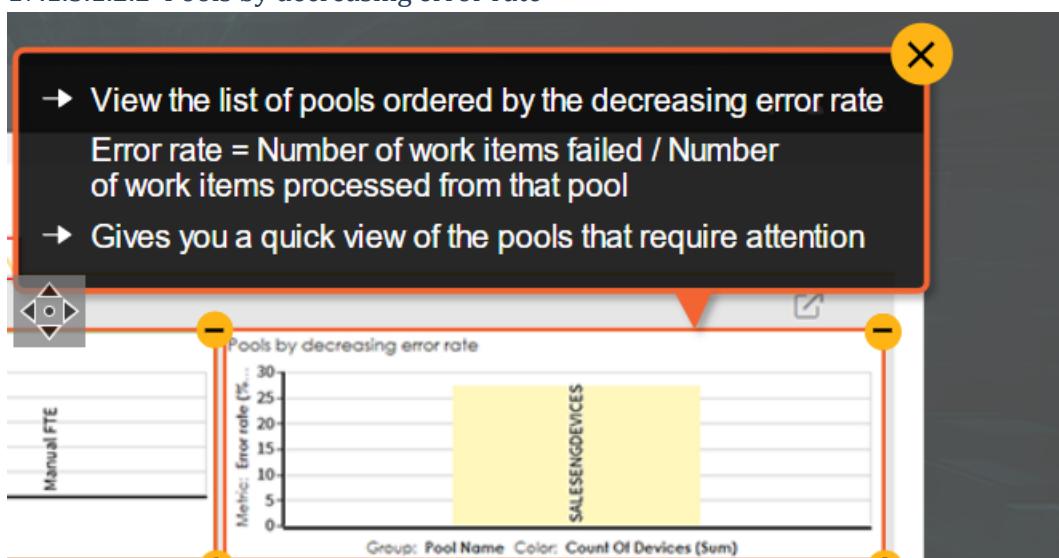
17.1.5.1.2.1 Device Pool by FTE

[To learn more.](#)

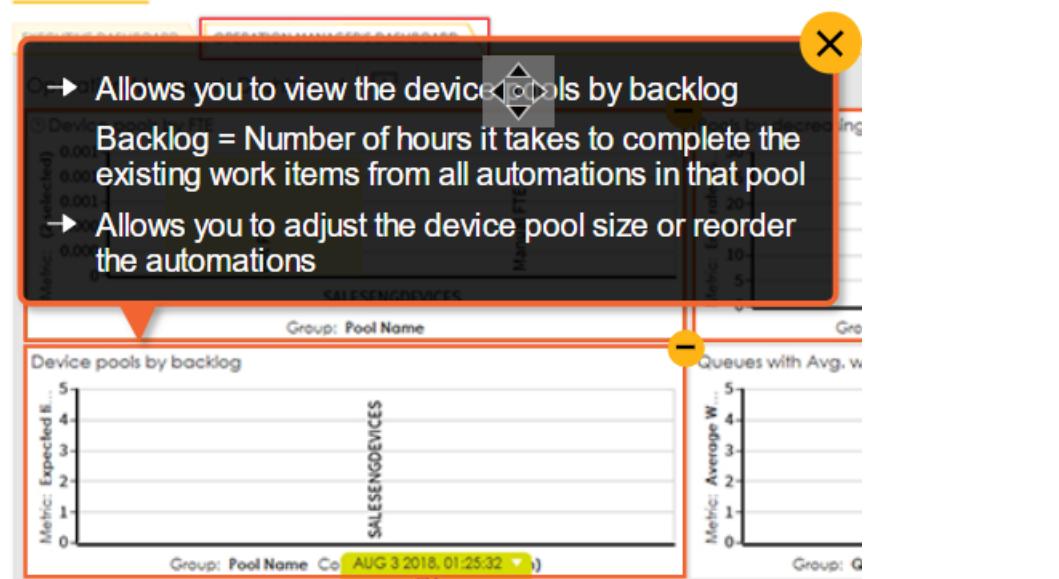
- Allows you to view the pools in the descending order of Full Time Equivalent
- Allows you to measure the value of each pool in terms of the equivalent manual effort required to process the same work item



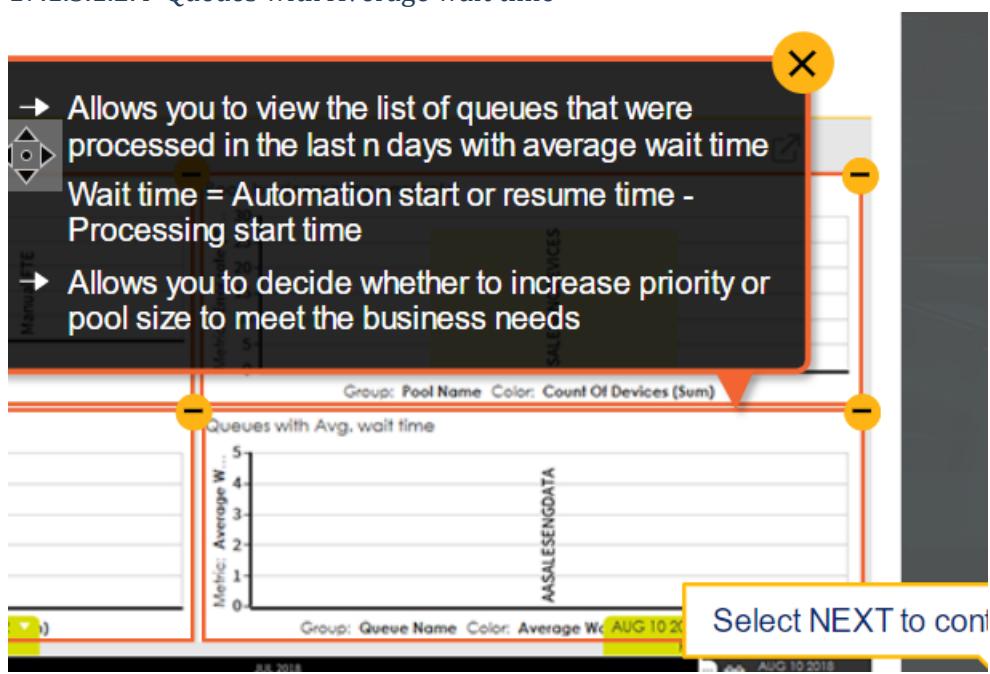
17.1.5.1.2.2 Pools by decreasing error rate



17.1.5.1.2.3 Device Pool by backlog



17.1.5.1.2.4 Queues with Average wait time



17.2 Activity

The screenshot shows the 'Control Room Feature Panel: Activity' interface. On the left, there's a sidebar with the 'AUTOMATION ANYWHERE Enterprise' logo and a navigation menu. The 'ACTIVITY' section is highlighted with an orange box and has three options: 'In progress', 'Scheduled', and 'Historical'. A callout box with an orange border points to the 'Activity' section with the following text:

Activity

- Provides detailed information about the automation on a network
- Monitors running, deployed, or scheduled tasks

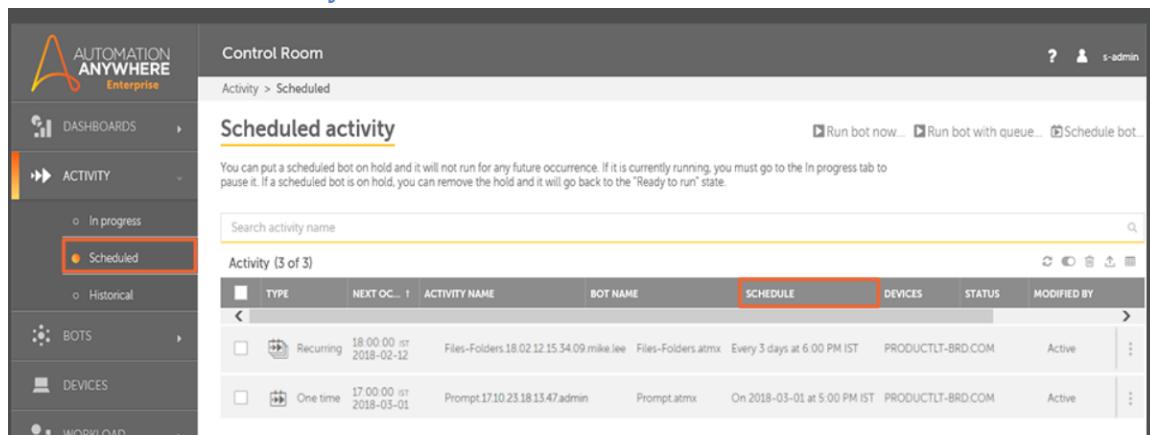
17.2.1 In Progress Activity

The screenshot shows the 'In progress activity' list in the Control Room. The sidebar shows 'ACTIVITY > In progress'. The main area displays a table with one row of data. A callout box with a yellow border points to the table with the following text:

- By default, you will be able to monitor and manage all the ongoing automation which has been triggered or scheduled by you.
- If you have **View my in-progress activity** permission, you can also manage and monitor all the ongoing automations on the bots where you have either Upload, Download or Delete permission.

STATUS	PROGRESS	ACTIVITY	TYPE	STARTED ON	BOT	QUEUE	DEVICE	USERNAME	ITEM NAME	MODIFIED BY
19:56 02 IST 2018-08-24	CurrencyUpdates.atmx	--	---	SSS-LAPTOP2...	bot-runner-1	CurrencyUpdates	Every4...	System		

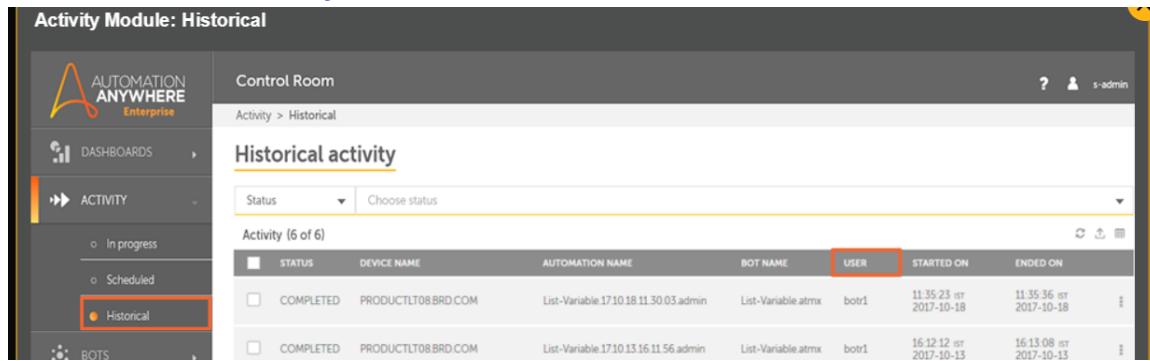
17.2.2 Scheduled activity



The screenshot shows the 'Control Room' interface under the 'Activity' tab, specifically the 'Scheduled' section. A search bar at the top allows for searching activity names. Below it, a table lists three scheduled activities:

	Type	Next Occurrence	Activity Name	Bot Name	Schedule	Devices	Status	Modified By
<input type="checkbox"/>	Recurring	18.00.00 IST 2018-02-12	Files-Folders.18.02.12.15.34.09.mike.lee	Files-Folders.atmx	Every 3 days at 6:00 PM IST	PRODUCTLT-BRD.COM	Active	...
<input type="checkbox"/>	One time	17.00.00 IST 2018-03-01	Prompt.17.10.23.18.13.47.admin	Prompt.atmx	On 2018-03-01 at 5:00 PM IST	PRODUCTLT-BRD.COM	Active	...

17.2.3 Historical Activity



The screenshot shows the 'Control Room' interface under the 'Activity' tab, specifically the 'Historical' section. A dropdown menu allows selecting a status, with 'Choose status' currently selected. Below it, a table lists completed historical activities:

	Status	Device Name	Automation Name	Bot Name	User	Started On	Ended On
<input type="checkbox"/>	COMPLETED	PRODUCTLT08.BRD.COM	List-Variable.17.10.18.11.30.03.admin	List-Variable.atmx	botr1	11:35:23 IST 2017-10-18	11:35:36 IST 2017-10-18
<input type="checkbox"/>	COMPLETED	PRODUCTLT08.BRD.COM	List-Variable.17.10.13.16.11.56.admin	List-Variable.atmx	botr1	16:12:12 IST 2017-10-13	16:13:08 IST 2017-10-13

17.3. Bots

The screenshot shows the 'Control Room Feature Panel: Bots' interface. On the left, there's a navigation sidebar with sections like DASHBOARDS, ACTIVITY, BOTS (with 'My bots' selected), DEVICES, WORKLOAD, AUDIT LOG, and ADMINISTRATION. The main area is titled 'Control Room' and 'Bots > My bots'. It displays a table of files and folders (229 of 229) with columns for NAME, SIZE, CLIENT LAST, LAST MODIFIED, and MODIFIED BY. A tooltip box highlights the 'My bots' section with the following text:

- **My bots:** Centralized location for all Bots, Workflows, Reports, Documents uploaded from the enterprise client
- Provides the ability to run and schedule tasks on 'Bot Runners'

17.3.1 My bots

This screenshot shows the same interface as above, but with a different focus. The 'BOTS' section in the sidebar is highlighted with a yellow box and a red arrow pointing to it. A large gray tooltip box appears over the 'My bots' item in the sidebar, containing the text: "Centralized location for all Bots, Workflows, Reports, Documents uploaded from the enterprise client".

About Bot Module

The Bots page consists of two components shown in the below screen image.

Displays Bot files and folders that are uploaded from AA Enterprise Client

TYPE	NAME	SIZE	CLIENT LAST	LAST MODE	MODIFIED BY
Folder	Sample Tasks	N/A	N/A	16:50:23 IST 2018-08-03	newrima
Folder	XYZ	N/A	N/A	17:25:33 IST 2018-08-01	test
Task Bot	Copy of Files-Folder's atrmx	1.28 MB	14:58:56 IST 2018-03-01	18:32:31 IST 2018-07-31	test
Task Bot	Database_CSV atrmx	12.37 KB	18:53:50 IST 2018-05-30	18:41:13 IST 2018-07-31	test
Task Bot	InsertWorkItems atrmx	6.73 KB	18:12:35 IST 2018-08-07	18:12:45 IST 2018-08-07	botdeveloper1 inactive
Task Bot	WorkItem atrmx	6.69 KB	18:33:38 IST 2018-08-07	18:33:48 IST 2018-08-07	botdeveloper1 inactive

My Bots

Let us look at the actions the Control Room admin can perform on the My Bot page.

Note

As a Control Room user, you must have the right privileges to access this page. Folders for which you do not have access to will not be visible to you.

- Executes a TaskBot with the work items present in queues
- Processes work items collectively on all Bot Runners

17.3.2 Credential

The screenshot shows the 'Control Room Feature Panel: Bots' interface. On the left, a sidebar menu includes 'DASHBOARDS', 'ACTIVITY', 'BOTS' (with 'My bots' and 'Credentials' selected), 'DEVICES', 'WORKLOAD', 'AUDIT LOG', and 'ADMINISTRATION'. The main panel title is 'Control Room' with 'Bots > Credentials'. Below this, tabs for 'MY CREDENTIALS' (selected), 'MY LOCKERS', and 'CREDENTIAL REQUESTS' are visible. A search bar and a 'Create credential...' button are present. The central area displays a table titled 'Credentials (1 of 1)' with columns: LOCKER NAME, MY ACCESS, REQUEST STATUS, and CREDENTIAL OWNER. One row is shown: '...', 'Credential owner', 'N/A', and 'admin'. A callout box highlights the 'Credentials' section with the text: 'Credentials: Centralized location for securely creating and storing sensitive information'.

This screenshot shows the same interface as above, but with three entries in the 'Credentials' table. The table has columns: TYPE, NAME /, LOCKER NAME, MY ACCESS, REQUEST STATUS, CREDENTIAL OWNER, LAST MODIFIED, and MODIFIED BY. The entries are:

TYPE	NAME /	LOCKER NAME	MY ACCESS	REQUEST STATUS	CREDENTIAL OWNER	LAST MODIFIED	MODIFIED BY
Standard	DBConnection	Locker_HRD	Credential owner	N/A	locker-admin-1	12:47:26 IST 2018-08-29	locker-admin-1
User-provided	SalesForceLogin	Locker_Sales	Credential nonowner	Requests sent	sales-locker-admin	15:37:46 IST 2018-08-29	sales-locker-admin
User-provided	SAPLogin	Locker_HRD	Credential owner	Requests sent	locker-admin-1	14:36:21 IST 2018-08-29	locker-admin-1

A callout box highlights the table with the text: 'lays the credential information created by a user'.

Credentials

The Credential page provides a centralized location for securely creating and storing sensitive information included in automation task.

Control Room
Bots > Credentials

Credentials

MY CREDENTIALS MY LOCKERS CREDENTIAL REQUESTS

- Displays the list of credentials created by a user
- Allows users to see their credentials

All Control Room users can create credentials.
Users with:
→ Manage my lockers permission can create lockers
→ Administer all lockers can manage all the lockers in the vault

Note

BOTS > Credentials

Credentials

MY CREDENTIALS MY LOCKERS CREDENTIAL REQUESTS

- Displays the list of user created lockers
- Allows user with Locker_Admin/ Manage My Locker permission to create locker
- Allows users to view lockers created by them or the lockers they are members of

Credentials

The Credential page provides a centralized location for securely creating and storing sensitive information included in automation task.

Control Room
Bots > Credentials

Credentials

MY CREDENTIALS MY LOCKERS CREDENTIAL REQUESTS

- Displays the list of user-provided credential requests sent to a Locker Admin and Locker owner
- Sends credential request to fill in the credential value for credential created with user-provided attribute

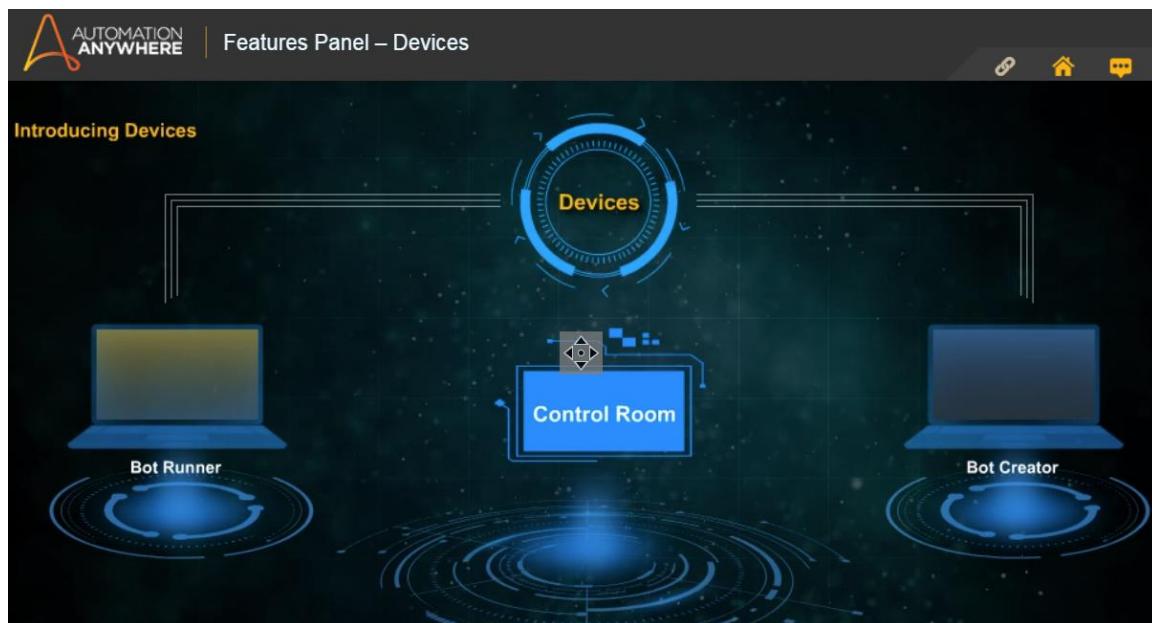
No requests yet. If someone needs...

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- Bots panel is a centralized location where all the Bots, Workflows, Reports and Documents are located.
- Bots panel components include:
 - My Bots: Displays various attributes of Bots like Bot Name, Modified Date, Modified By etc.
 - Credentials: List of credentials created by a user.

17.4 Devices



Actions Performed in the Audit Log

Control Room

Bot runners and bot creators

Runs bots immediately on the selected Bot runners

Schedules bots on the selected Bot runners

If a device is assigned to a device pool, the device will be listed in both My Devices and My Device Pool.

Access to devices and device pools are managed by role-based access controls associated with the user accounts.

STATUS	DEVICE NAME	USERNAME	DEVICE POOL	TYPE
Disconnected	AA-SJ-JonS2	botrun1	--	Bot runner
Connected	WIN-QLLV85EV6NA	botrun2	--	Bot runner

17.4.1 My device

Actions Performed in the Audit Log

Control Room

Bot runners and bot creators

Shows device's status, which is the combined status of the user and the device used by that user

STATUS	DEVICE NAME	USERNAME	DEVICE POOL	TYPE
Disconnected	AA-SJ-JonS2	botrun1	--	Bot runner
Connected	WIN-QLLV85EV6NA	botrun2	--	Bot runner

Note

STATUS	DEVICE NAME	USERNAME	DEVICE POOL	TYPE
<input type="checkbox"/> Disconnected	AA-SJ-34nS2	botrun1	botrunner	Bot runner
<input type="checkbox"/> Connected		botrun2		Bot runner

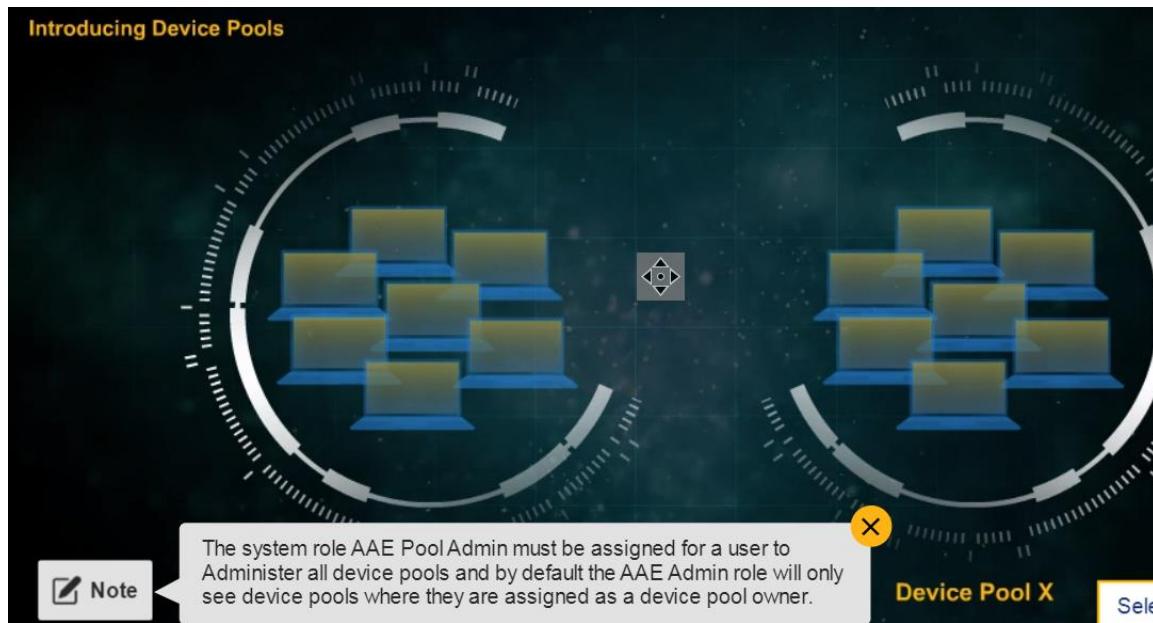
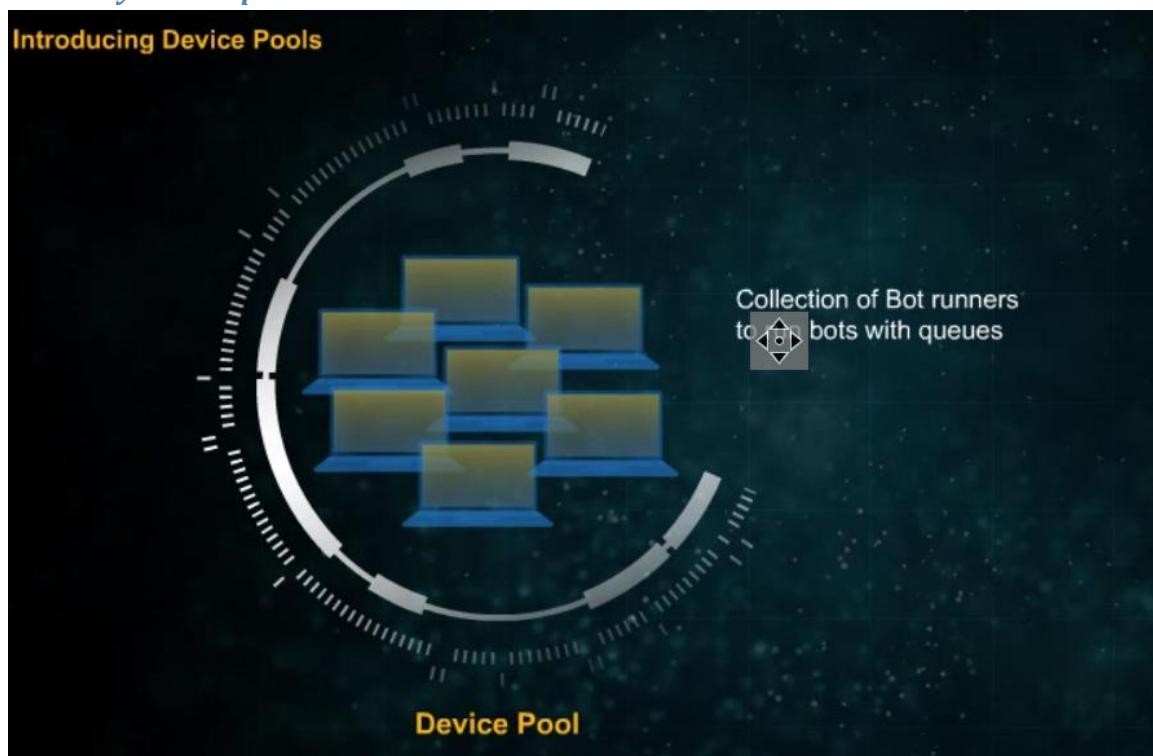
Features of Devices Tab

Action icons across the top of the Devices list allows you to perform the following actions.

STATUS	DEVICE NAME	USERNAME	DEVICE POOL	TYPE
<input type="checkbox"/> Disconnected	SSS-LAPTOP277AASPL-BRO... botrunner	botrunner	FinanceDevicePool	Bot runner
<input type="checkbox"/> Disconnected	SSS-LAPTOP277AASPL-BRO... finance_a			
<input type="checkbox"/> Disconnected	SSS-LAPTOP277AASPL-BRO... finance_b			
<input type="checkbox"/> Disconnected	SSS-LAPTOP277AASPL-BRO... finance_b			

17.4.2 My devices pool

Introducing Device Pools



Control Room Feature Panel: Devices

Control Room

Devices

Bot runners and bot creators

MY DEVICES **MY DEVICE POOLS**

A device is 'Connected' if a user is logged into the client UI on the device. A device is 'Offline' if the username is known but the user is not logged into the client UI on the device. A device is 'Offline' if the username is unknown.

Allows you to create and view list of Device Pools - Collection of devices provisioned to run the bots with connectors.

Search device name

Devices (14 of 14)

STATUS	DEVICE NAME	USERNAME	DEVICE POOL	TYPE
Disconnected	CLIENT20.CRTTest.com	cruser5287	N/A	Bot creator
Disconnected	CLIENT20.CRTTest.com	cruser5286	N/A	Bot creator
Disconnected	CLIENT22.CRTTest.com	cruser5278	N/A	Bot creator
Connected	CLIENT22.CRTTest.com	cruser5277	--	Bot runner

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- The Devices feature panel lists registered devices and device pools.
- A device is created when a licensed user first logs into a control room from the Automation Anywhere client.
- A device is categorized as a bot runner or a bot creator.
- Devices not assigned to a role are available to be allocated to a device pool.
- Device Pool contains only Bot Runners.
- A Bot runner can be assigned to only one device pool.

17.5 WorkLoad

Control Room Feature Panel: Workload

Workload

- Breaks down work items into small, logical modules for easy management
- Processes these logical modules simultaneously to help meet your time based SLAs

About Workload Management

Workload Management

- Strategically distributes work to improve efficiency through automation OR
- Allows you to manage work items by dividing them into small yet logical modules
- Processes them simultaneously to ensure time-based SLAs are met and resource utilization is optimized

Uses of Workload Management

You can use Workload Management to:

**Benefits of Workload Management**

The following are the benefits of Workload Management.



Easily centralizes definition and management of work items



Processes queues on a collection of devices



Adds queues manually and automatically



Enhances the control of queues with specific roles and permission

Features of Workload Management

The Workload Management introduces the following two features.

ⓘ Click/Touch each feature to learn about it in detail.



17.5.1 Queues

Queues

Queues are a collection of work items that allow you to manage the work items in your Control Room.

Creates, updates, and controls work items in Queues



Can be defined by manually setting up columns or using Excel worksheet as its base

Is created by a Control Room admin with Create Queues privilege



Note You can see only those queues for which you are either the owner or participant or consumer.

Features Panel – Workload

Overview of the Queue Page

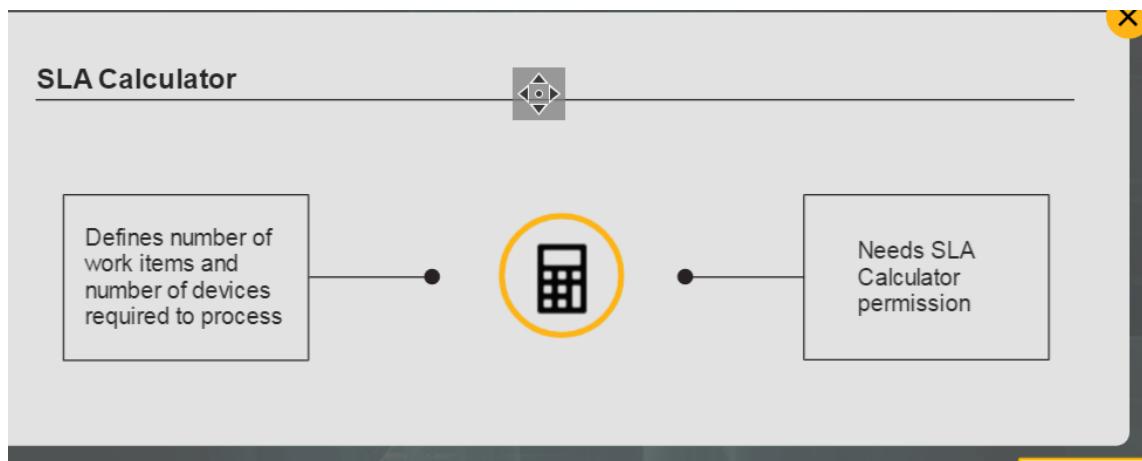
Queues panel is one of the key element in Workload.

QUEUE NAME	MY ACCESS	AUTOMATION NAME	AUTOMATION STATUS
QueueNew	Queue participant	WLM18.09.1718.39.19.deviceadmin	Active

Overview of the Queue Page

If the queue is not being used or is in draft state, the Automation Name and Automation Status column will show Not Applicable and shows the automation name if in use.

17.5.2 SLA Calculator



17.5.2.1 Automation

Overview of the SLA Calculator Page

As a Control Room admin or a user with SLA Calculator privilege, you can access the Service Level Agreement (SLA) calculator page.

The screenshot shows the Control Room interface with the SLA calculator page open. On the left, there is a sidebar with various options like DASHBOARD, ACTIVITY, BOTS, DEVICES, WORKLOAD, AUDIT LOG, and ADMINISTRATION. The WORKLOAD section is expanded, showing options for Queues and SLA calculator, with the SLA calculator option selected. A callout box highlights this selection with the text: "Allows you to select an active automation for SLA calculation". The main content area is titled "Select an automation with a queue (optional)". It includes a search bar for "Automation name" and a table titled "Available automations (0)" with columns for STATUS, AUTOMATION NAME, STARTED ON, and BOT. There is also a "New" button at the bottom right.

17.5.2.2 Calculation

Overview of the SLA Calculator Page

As a Control Room admin or a user with SLA Calculator privilege, you can access the Service Level Agreement (SLA) calculator page.

The screenshot shows the Control Room interface with the SLA calculator selected in the navigation bar. A tooltip is displayed over the 'CALCULATION' button, stating: 'Populates the number of work items processed and average processing time of a work item for that automation'. The main panel displays a table with columns for STATUS, AUTOMATION NAME, STARTED ON, and BOT.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

→ **Workload Management:**

- Strategically distributes work to improve efficiency through automation
- Has two major components:
 - Queue: Collection of work items that allow you to manage the work items in your Control Room and can be created by Control room admin with Create Queue privileges
 - SLA Calculator: Estimates device pool size or time required to process a given queue size

Summary

You are at the end of this module. Let's recap what we have gone through so far.

→ Workload Management allows you to:

- Manage work items in their Control Room Environment using queues
- Create, update and control the way items are included in queues
- Can modify the work items distributed to Bot Runners assigned to Device Pools
- Estimate a Service Level Agreements



Summary

You are at the end of this module. Let's recap what we have gone through so far.

→ Benefits of Workload Management includes:

- Easily centralizes definition and management of work items
- Process queues on a collection of devices
- Adds queues manually and automatically
- Enhances the control of queues with specific roles and permission



Summary

You are at the end of this module. Let's recap what we have gone through so far.

→ Queue page:

- Lists all queues with owner, participant, or consumer permissions
- Provides the status of the queue, it's name, automation name, etc.
- Allows you to view and edit individual queues



→ SLA page consists of two tabs:

- Automation: Allows you to select an active automation for SLA calculation.
- Calculation: Populates the number of work items processed and average processing time of a work item for an automation

17.6 Audit Log

Control Room Feature Panel: Audit Log

Let's now have a look at the rest of the components of the Features Panel.

Audit Log

- Provides information of all the actions performed in the Control Room
- Enforces internal compliance regulations and prevents tampering with mission-critical processes

Action Type	Item Name	On Taken By	Source Device	Source	Request ID	
S1:IST 08-10	Update Workitem	AASALENGDATA (16)	admin	172.16.17.100	Control Room	a678a39d-be0d-4561-...
S1:IST 08-10	PopulateQueue.18.08.1	admin	172.16.17.100	Control Room	e354e18c-9fc6-4393-...	
S1:IST 08-10	PopulateQueue.18.08.1	System	SSS-LAPTOP97.AASPL...	Control Room	7f48625d-036b-4dfb-...	
S1:IST 08-10	PopulateQueue.18.08.1	System	SSS-LAPTOP97.AASPL...	Control Room	afe2e732-2685-4381-8...	
S1:IST 08-10	PopulateQueue.18.08.1	System	fe80::bdce:2a0a:3628...	Client	4c16c049-cc5d-4885-...	
S1:IST 08-10	PopulateQueue.18.08.1	System	fe80::bdce:2a0a:3628...	Client	49f842d6-0bd6-47c0-...	

Actions Performed in the Audit Log

ITEM NAME	ACTION TAKEN BY	SOURCE DEVICE	SOURCE
Express	System	SSS-LAPTOP277AASPL...	Control Room
Express	System	SSS-LAPTOP277AASPL...	Control Room
N/A	a	fe80::4c84:c439:6ae1...	Client
N/A	a	fe80::4c84:c439:6ae1...	Client

View Audit Details

Viewing details of an action ensures that you can track all the changes that are being made in Control Room as well as Client.

Click/Touch each section to learn about it in detail.

Note

ATTRIBUTE	VALUE
AUTHENTICATION_TYPE	DATABASE

View Audit Details

Viewing details of an action ensures that you can track all the changes that are being made in Control Room as well as Client.

Click/Touch each section to learn about it in detail.

Note

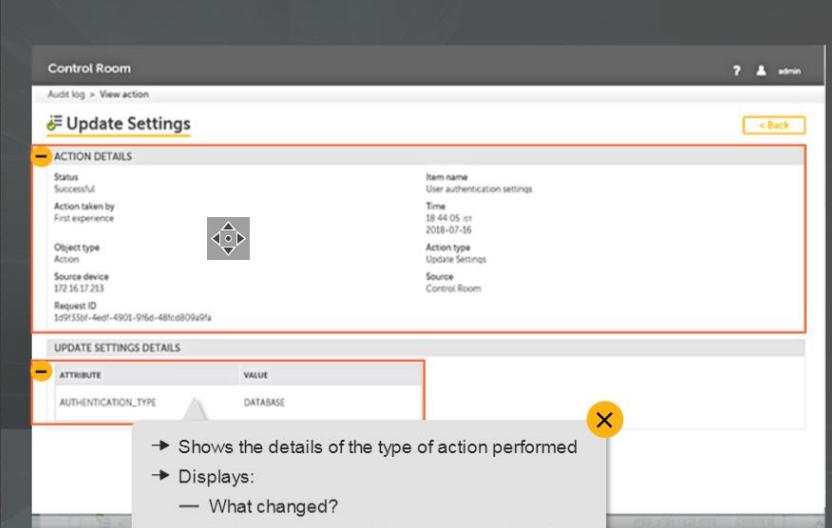
ATTRIBUTE	VALUE
AUTHENTICATION_TYPE	DATABASE

View Audit Details

Viewing details of an action ensures that you can track all the changes that are being made in Control Room as well as Client.

 Click/Touch each section to learn about it in detail.

 Note



A screenshot of the Automation Anywhere Control Room Audit log interface. The main window shows an audit entry for 'Update Settings'. The 'ACTION DETAILS' section is highlighted with a red border. Inside this section, there is a callout box with the following text:

- Shows the details of the type of action performed
- Displays:
 - What changed?
 - Updated and stored fields in Credential Vault

The 'ATTRIBUTE' and 'VALUE' columns for 'AUTHENTICATION_TYPE' are shown as 'DATABASE'.

SUMMARY

You are at the end of this module. Let's recap what we have gone through so far.

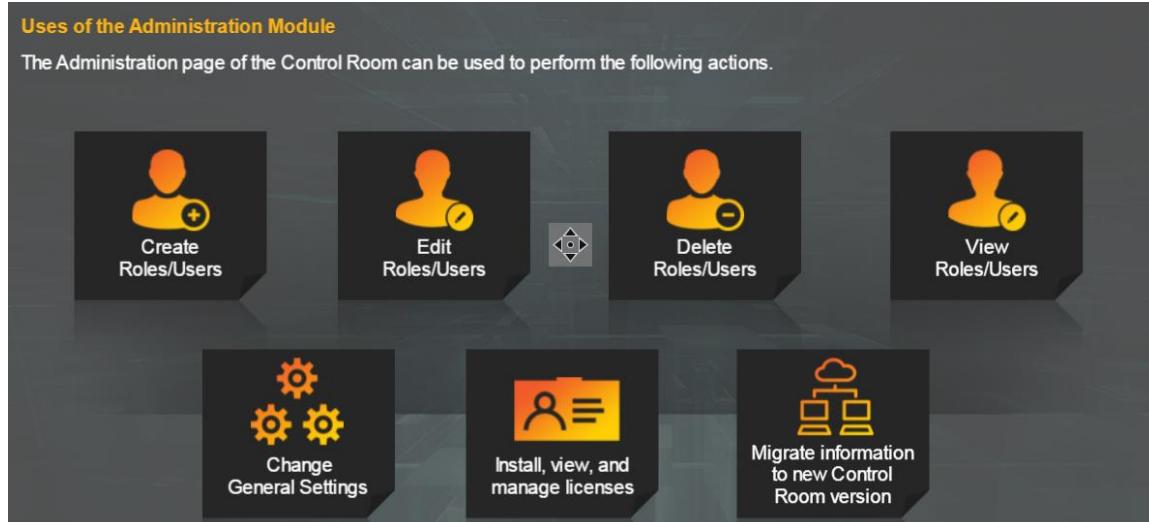
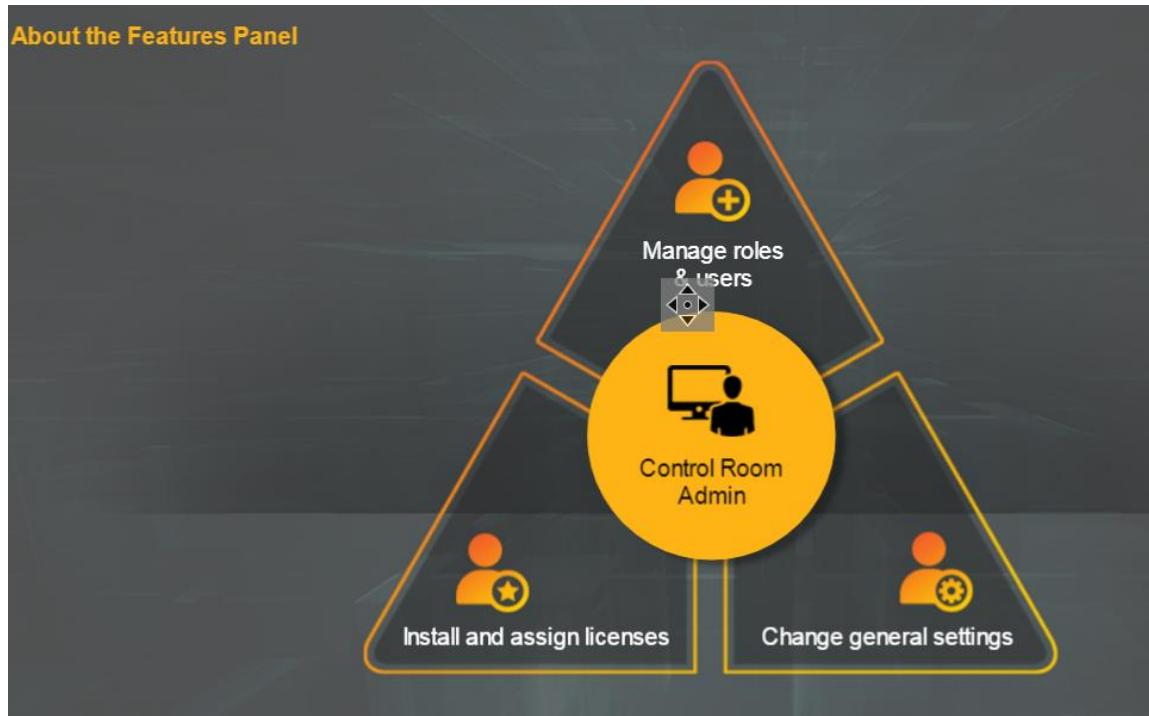
- The Audit Log is used to view recent activities performed by users and administrators in Control Room and Client.
- Audit Log also allows you to back up activities in the form of a CSV file, if required.
- The recent activities in the Audit log are captured in the form of a table.

SUMMARY

You are at the end of this module. Let's recap what we have gone through so far.

- The Audit Log allows you to view actions based on the
 - Status
 - Action Type
 - Item Name
 - Action taken by

17.7 Administration



Control Room Feature Panel: Administration

The screenshot shows the 'Control Room' feature panel. On the left, there's a navigation sidebar with various icons and sections like Dashboards, Activity, Bots, Devices, Workload, Audit Log, and Administration. Under Administration, there are links for Settings, Users, Roles, Licenses, and Migration. The main area is titled 'Control Room' and shows a table of 'All users'. The table has columns for User Type, Username, First Name, Last Name, Description, Roles, and Device License. There are 12 users listed, including Admin, Bot creator, Bot runner, and Other roles. A red arrow points to the 'Users' link in the sidebar.

17.7.1 Settings

Sub-components of the Administration Module: Settings

This screenshot shows the 'Settings' sub-component of the Administration module. The sidebar remains the same. The main area is titled 'Settings' and lists several categories: General, Bots, Client application, Credentials, and Email. An orange box highlights the 'Bots' category, and a callout bubble with a double-headed arrow icon is placed over it, containing the text 'Editing general setting and control room database'.

Sub-components of the Administration Module: Settings

This screenshot shows the 'Settings' sub-component again. The 'Bots' section is highlighted with an orange box. A callout bubble with a double-headed arrow icon is placed over it, containing the text 'Enable or disable Version Control in Bots'.

Sub-components of the Administration Module: Settings

Control Room
Administration > Settings

Settings

- General
- Bots
- Client application**
- Credentials
- Email

Enable or disable Secure recording, set product help URLs, and configure Device health checks in Client applications

Sub-components of the Administration Module: Settings

Control Room
Administration > Settings

Settings

- General
- Bots
- Client application
- Credentials**
- Email

Configure the connection mode to the Credential Vault in Credentials

Sub-components of the Administration Module: Settings

Control Room
Administration > Settings

Settings

- General
- Bots
- Client application
- Credentials
- Email**

Enable or disable the email settings.

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- As an admin, you can use the administration module of the Control Room to perform the following actions:
 - Manage roles by creating, editing, deleting, and viewing existing roles and users.
 - Change the general settings of the Control Room 
 - Install an extended license or install a new license

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- The components of the Administration module include the following:
 - Settings: Assists in the following:
 - Configuring general settings
 - Managing versions, secure recording, product URLs, email settings and configure Device health checks in Client applications 
 - Configuring credentials
 - Users: Provides detailed information about existing users

Summary

You are at the end of this module. Let's recap what we have gone through so far.

- The components of the Administration module include the following:
 - Roles: Provides detailed information of the roles defined for each user
 - Licenses: Provides detailed information about the current license installed. 
 - Migration: Migrates data from a previous Control Room version 10.x to the current version, that is, 11 LTS.

