

Bot is a DIGITAL WORKER (Built-Operate-Ttransfer)

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ABSTRACT :

A digital worker is a type of software robot designed to automate a wide range of task traditionally performed by human . unlike a Bot, which typically handle a single narrow task , a digital worker can orchestrate entire work flow across multiple system , making it more capable and versatile . digital worker utilize artificial intelligence (AI), machine learning (ML),and robotic process automation (RPA) to perform complex , unstructured task enhanced efficiency and freeing up human employee for more strategic works. A digital worker is AI – powers software that performs end-to-end business task –combining (RPA)robotic process automation . work flow automation and AI decision-making to execute meaningful part of business process automatically . a cross authority source “DIGITAL WORKER” refer to software that act like a functional members of a organizational work flow. It is not a human nor just a single Bot , instead . it is a persistent, AI-driven system capable of handling multi-step work flows , making context – aware division and collaperative with human employees, the digital workers represent a shift from task-based automation to role-based AI system that function as part of the organization work flow

KEY WORDS : AI, chat Bot ,Robot, RPA, APA.,

INTRODUCTION :

A digital worker is a software – powered employee that can complete the range of task traditionally done by people . they integrate technology such as AI & RPA (robotic process automation) as well as machine learning (ML) and work flow automation digital worker can intract with multiple system such as Opera PMS , ORACLE ,SAP and sale force. They are designed to controlled human effort , increasing business process efficiency and freeing employee to do other task . digital worker and human worker co-exit to benefit you entire organization unlike digital worker . which performs complete business function from start to finish and chat bot , which form an connection a bot (short for ROBOT and same time called and internet bot) is a software application that operate over a network and is performed to do a specific ,repetitive, pre-defined work task that a human world typically do. Bot an software program that performs digital workers based on a set of code an AI technician –or you depending as your (RPA) robot processing automation .bot ease of use – will quickly train the bot depending on the task you want

the bot to perform . these are often menial duties like these we have already machined . which may include coping documents sending E-mail and computing files . the essential point to the receivable is that a bot can only performs once function based on the instruction in its code once setup . the bot can automated these menial , less creative task through you work flow.

FUNCTION of DIGITAL WORKER vs Bots :

To fully grasp the different between digital works and bots . it help to see side – by- side companion of their capabilities .

Some suitable task for bots :

Human refer responsibility including off boarding , on boarding , updating employee information and performing time sheet submission process .

Document reading , coping and E-Mailing

Repot compiling and e- system gathering .

Account process - building and reporting .

Message auditing reports.

Some suitable task for digital works :

Check hardware payable and account receivable .

Virtual IT administrator.

Customer service response.

Supply chain manage and analysis for best processing recommendation.

Bot MEANS - (Built-operate-transfer) :

In the context of gaming “Bot” refer to automated software application that performs task or interact with user in on time game , bot can be used to represents AI – controlled characters or players and they may exhibits business that are repetitive or predictable often learning to the term being used to describe players , who play mechanically or without skill , Bot can also refer to automated accounts on social media that post or interact without real-human involvements,

ROBOT means:

A robot is mechanical especially programmable via computer capable of automatically carrying act a complex service of action . a robot can guided by an external or internal control device robot may be humanoid , but most an task performing meaning periotarised functionality over aesthetics

.robot can be autonomous or semi-conductor ray from humanoid such as the human replaced human in performing in performing reputation not to do or once unable to do the basis of size limitation or which take place in extent environments such as outer space or bake to the sea. These are concuss about the increasing use of robot and they role-in society robot are balanced for rising technology unemployements as the replies worker in increarising the member of function . the use of robot in utilizing cabinet reuses ethical concern . the ppriority of robot autonomy and potential refer consumer have been controlled in fuction and may be a relist concern in the function.

HOW to differ from ROBOT to BOt :

A robot is a physical machine performs action in the real-world which a bot is software that performs automated task inline , robots have body and sensor bots exits only as programs .robot is a physical and programmable mechanism that sensor its environments and perform action such as mining grasping or navigating robots interact with in the physical world

Examples;

-industrial robot arms.

-robot a vacuum

-mars rooms

Physical machanics acting in the real-world.

Bot :

A Bot is a software program that performs instructed task , often repetition uses on computer or these instruments Bot do not have the physical body.

Examples :

Web growler , spam bot , chat bot and software agents acting in the digital environments .

The bot has evalued to refer to automated system or programs that performs task , particularly in technology and automation.

Bot slang :

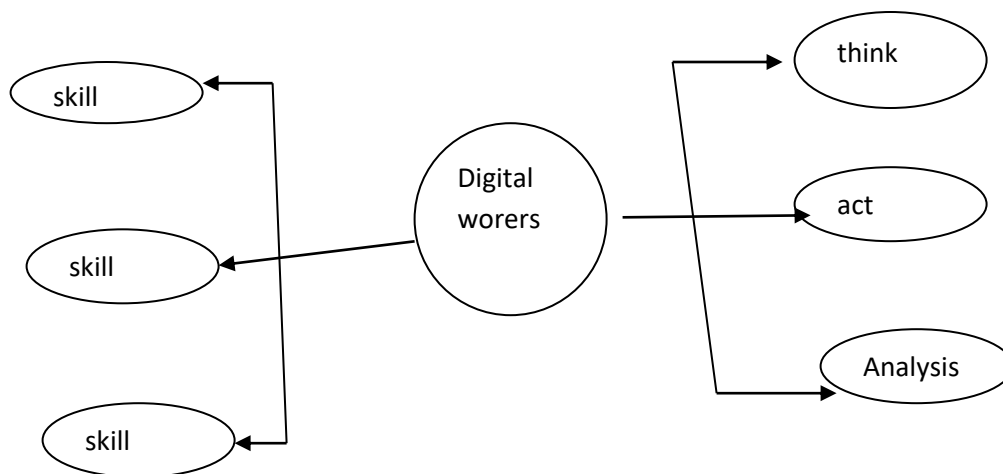
The slang “Bot” comes from “robot” , gaming its modern meaning as instruct and gaming culture used it describe automated program and later human who act vertically predictably . it innovationfrom technical usage into an instruct from un managed or low skill below. an instruct certain grew –“ Bot” became a standard clipped from automated program.

he slang emeged from technical term for automated program and has popularized y gaming culture , eventually becoming a gaming instrument for machnical , predictable or fake behavior,

WHY DIGITAL workers :

A Bot becomes a “digital workers” when it is more beyond the executing the single , isolated shift and start handling compute end-to-end business role by combining robotic process automation (RPA) and artificial intelligent (AI) and decision-making capability ,

BASIC ideas :



A traditional Bot handle one narrow , repetitive task (like coping data from a separate sheet or answering as a single FAQ) a digital workers takes an entire job function or multi-step works flow –such as operating as an virtual accounts payable clerk the read E-mail , process invoice , log entry in to SAP or Oracle and analyzing discrepancies ,

Basic Bot follow rigid, pre-written code and break if an application layout or data format changes . digital worker integrate AI, machine learning (ML) and natural language process to interpret instructed data (like free – text , e-mail or scanned PDF) handling except and adapt the over time .

Write script Bot works inside a single isolated tools , a digital workers orchestras action across multiple enterprises system data employee would. The role vs task as explained by automation anywhere standard Bot are task centric where as digital workers are built to “think-act-analysis “to augmented human terms in a specific role.

The agentic process automation (APA) is an enterprises automation approach when automation AI agent precise data ,reason through goal and execute multi-step work flow across the system without needing fixed rule for every step .

Precise : collect and integrate data from API, documents , e-mail and use application.

Reason : uses large language model (LLM) and cognitive AI to evaluate context policies and edge connection.

Act : execute the task across the connected enterprises tool , software or legacy platforms .

Learn : adapt to put comes and refines function , decision – making over time.

RPA – Robotic process Automation : follow rigid , pre- programmed script and break when certain colleagues or data instructions.

APA – agentic process automation : chase the targets out comes , dynamically handles excepts and orchestras decision-across the multiple channels.

ROBOT vs BOT :

These are different is that a robot is physical machine that instruct with the real world . which the Bot is primarily digital software program that operate on a computer networks. Particularly compromises and definition are out lined in bring an the robot which break down how software automation differ from hardware.

ROBOTS

physical function a robot has tangible body hardware motors and sensors that allows it more and touch thing physical worked.

Environments :

It operate physical space like factories , warehouse or hospitals.

Examples :

Robot assembly across in car plants , automation mobile robot (AMRS) or humanoid mechanism.

Bot (internet/software Bot):

Digital forms : a Bot is asset of code or software application with no physical body .

Environments :

It lives entirely inside the instruction , cloud sensor , web browser ,or digital application .

Examples :

Web grawler social media auto – poster , tracing script , and customer servicing chatbot .

Chat GPT a Bot or AI :

It is both (specifically or an AI chat bot , powered by artificial intelligents(AI))

AI – artificial intelligent :

This is brand categories of computing technology that enable mechanism to think, learn, recognizing pattern process languages .

Bot (chat Bot) ;

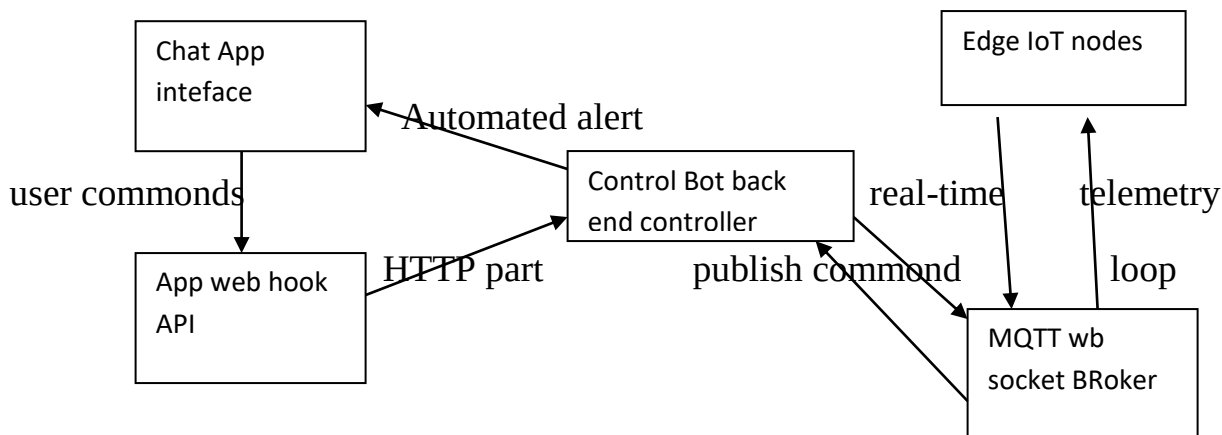
This is use freeing application or interfaces that let you type of speech message back and forth .

AI behind chat Bot :

Chat GPT runs an a large language model(LLM) built with a technology called a genetic pre-trained transformer (GPT) . instead of using a rigid , pre-written script like older automation-service Bot . it predict and generate new text in real-time based an the prompt you give it .

IoT is Bot :

IoT (internet of things) and Bots (software robot) are completely different technology through the both operate automatically the main difference is that IoT involves physical hardware connected to the internet which Bot is purely software running an a computer and server .



IoT :

A network graphical object enabled use sensor and software .

- physical hardware (denial application ,gadgets).
- collect data from real-physical world and act on it .
- to bring the gap between the physical ans digital world.

Bot (software robot) :

- software application programs to run automated task over the internet)

A

- Virtual software (code running on a screen /server)
- Simulate the human activities digital task quickly .

V
S

Bot on a website . it has no physical body . it sit on a web page , read the text question you type and instantly replies with automated text answer to help you troubleshooting a problems.

AI (artificial Intelligence) :

An AI is a computer system that can reason , learn from data and make decision . while a traditional Bot is piece of software that run pre-programmed rules to perform automated task

- AI mimic human intelligent adapt to the information , a Bot follows fixed , rigid scripts.
- AI learn improve from data and past experience , a Bot does not learn or change rules a human rewrite its code .
- AI handle complex , open-ended end and expected situation a Bot only handles specifics , pre-defined inputs.
- A Bot can be powered AI to become smarter , making the overlap (such as an AI chat Bot) through many basic Bots run with zero AI.

Traditional Bot (rule-based) :

A basic customer service widgers of FQA reponece on a website.it look for specific keywords (like “refund” or ” hours “) and spit out a pre-written text block . if you ask something outside its script it gets struck or says I do not understand .

Artificial Intelligence (AI) :

- large language model (LLM) like chat GPT .
- it user mechanism learning to understand., context, write code , translate language and gamester orchestra culture based on a prompt rather than following strict flowcharts.

CONCLUSION

A traditional Bot is a simple , rule-based program that execute isolated , simple task . where as the digital workers is an advanced evaluate combining AI machine learning(ML) , and Robotic process automation (RPA) to handle end-to-end , multi-department trans with many and adaptability . the traditional Bot execute fixed , single step – rules via code with AI adaptation handle isolated task like simple sheet submission , data coping or automated FQA replies , operate without long- term context or decision-making power. But digital workers utility agentics AI , many context to the run complete cross – system business work flows (such as full HR an on boarding or multi-step invoice processing) adapt dynamically to unstructured data and make real

–time decision function more like a virtual colleagues or assistant with an assigned identity and across control in the work place directories unstructured data and dynamic decision – making.

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