### ctg movelT RPA: no excuses

28 NOVEMBER, 2019 I 09:00-13:00 HOLIDAY INN, DIEGEM

## ctg

## Steven Van Schil

Unit Manager ITSM, CTG Belgium



**67** Attendees

### **28** Organisations

Sessions

215

4

11-1

4

Speakers Demo Booths



( a )

**WiFi:** HolidayInn-Free-Internet Pwd: not required

ctg

### **RPA: no excuses**

Everything has evolved into Digital Business, while focusing on **Value** has become the key to our digital existence.

Yet we still have a lot of our human co-workers spending their time on manual, low-value activities.

**Robotic Process Automation (or RPA)** is an emerging form of technology, based on the notion of metaphorical "software robot" workers, often combined with artificial intelligence (AI).

CTG understands that many organisations are still reluctant to embrace RPA, due to its perceived risks to quality and reputation.

But reliable partners and the right technological platforms can support RPA, and ensure this approach is viable for use in <u>your</u> enterprise:

The time for excuses is over, it's time for RPA!



### The Programme

Sessions & Timings



09h00	Welcome
09h30	The caveman challenge Jo Herroelen, CTG
09h50	From fear to control Vincent Fransman, CTG
10h20	Break
10h45	UiPath: Roadmap, industry challenges and path to AI Manish Patel, UiPath
11h25	Automation, AI and the future of work Guy Kirkwood, UiPath
12h05	Networking Lunch

## ctg RPA: no excuses The caveman challenge

Jo Herroelen





# "This is great guys! I'M ON FIRE!!"















# Governance



# Process

Value





# Endless possibilities







## Do "robots" have a bad reputation?



## Some people see evolution and progress.

# ...others see threats and loss of jobs

55%



## But what are we really talking about?



#### Let's be clear on a couple of things:



Automated \_\_\_\_\_\_ interaction with a computer-centric process, with a Software User Interface providing support

\_\_\_ Replace repetitive tasks \_\_\_\_

performed by humans with a virtual workforce. Humans make the judgement calls, handle exceptions and provide oversight

\_\_\_\_\_ Use a robot (computer) \_\_\_\_\_ to run application software *in the exact same way* a person works with that software, only better & faster & ...



## Virtual team mates

0



#### So what's the perfect process for RPA?

Clear logic

— Highly repetitive

High volume

\_\_\_\_\_ Structured input

— Multi-tool usage

Application longevity





## Endless opportunities

Value

Governance

10

Tools

Risks



# "This is great guys! I'M ON FIRE!!"



### ctg RPA: no excuses From fear to control

Vincent Fransman



#### Jobs under threat from automation, McKinsey 2016


### **From Fear to Control**

With **digital transformation**, IT is no longer a worry of the ICT supporting division, but digital transformation is everywhere on the agendas of corporate boards and has risen to the **top of CxOs' strategic plans**.

It is difficult to understand and explain the **impact of digitisation** on your organisation. New technologies create new opportunities for business – and new challenges as well.





### Digital Transformation





"Years of research on <u>transformations</u> has shown that the success rate for these efforts is consistently low: less than 30 percent succeed."

McKinsey, 2018



"Even digitally savvy industries, such as high tech, media, and telecom, are struggling. Among these industries, the success rate does not exceed 26 percent."

McKinsey, 2018





Organizations with successful transformations.

McKinsey, 2018







Cloudbased services Mobile internet technologies



Big data and big data architecture (eg, data lakes)

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Artificial-

tools

intelligence







Robotics<br/>(eg, robotic<br/>process<br/>automation)Advanced<br/>neural<br/>machine-<br/>learning<br/>(eg, deep<br/>learning)Augmented-<br/>reality<br/>technolo-<br/>gies

### Structural changes needed



### McKinsey, 2018





### Digital Transformation











# 

## industrial improvement







administrative improvement





## of all office jobs

if we take





### ME Cau

automate









- Industrial processes gained major improvements
- Administrative processes not yet

- New technologies from idea to adoption is faster and higher
- New technologies can replace (fast) older technologies

## 

# Challenges









### Difficulties with Change?





### work-related ilnesses are psychological





### of those, burnout takes

### **Reported people with burn-out, Belgium Statistics**



### **Reported accidents at work, Belgium Statistics**





### Stress

### Burn-Out causes:

- Exposure for long periods
- Higher volumes
- Faster times
- Less errors acceptable

#### Burn-out already studied in 1974

#### Effect:

- Reduced productivity
- Long-term illnesses

#### Bore-Out causes:

- Exposure for long periods
- Non-interesting tasks
- Repetitive tasks
- No creativity needed

### Bore-out already studied in 1987

#### Effect:

- Reduced productivity
- Drop outs (leaving the company)

### It's about people !!













### tackle this?

### **Get rid of stress factors**

#### Simplify & Automate tasks

#### Being:

- Repetitive
- high volume in short timeframe
- Rule based / no creativity needed
- Susceptible to human error
#### (RP)Automation benefit

For the employee

- Get rid of boring tasks
- Be engaged in task where your input matters
- Free up time to spend on learning new things
- Free up time to be creative / contributive

#### For the company

- Increase at scale and fast (robots don't have learning curves)
- Reduce (human) error's
- Enable your staff to engage again with company goals
- Increase staff satisfaction





process

of service



RPA NOFEAR NOLIMITS **NO EXCUSES** 

#### Enjoy your coffee... and come talk to us





Erçin Mazmahor RPA developer

Wouter Meeuwens RPA developer





Eddy Peters Process guru Joren Vanherwegen RPA developer





Guy Kirkwood Chief Evangelist



# Ctg UiPath: Roadmap, industry challenges and path to Al

Manish Patel



# Let's accelerate digital transformation

Manish Patel





#### Agenda



Robotic Process Automation (RPA): Accelerating Digital Transformation



**Customers Love RPA** 



The UiPath Enterprise RPA Platform



Your Journey to Becoming Digital



We are UiPath – the RPA Leader

	-			-			
				-	-		
				-			
	-						
			-	-	-		
				-			

#### Are You Keeping Up With Digital Transformation?

Ui Path





#### You Face Pressure From Many Sources





#### Yet Your Core Priorities Stay the Same





#### **Previous Eras of Technological Disruption**



# Ui Path<sup>~</sup>

#### Automation is the Next Disruption of Work

"Coming over the horizon is a new wave of opportunity related to the use of robotics, machine learning, and AI. Companies that deploy automation technologies can realize substantial performance gains and take the lead in their industries, even as their efforts contribute to economy-level increases in productivity."

> McKinsey Global Institute 2017



**Ui** Path<sup>®</sup>

# How Will **Automation** Impact Your Business?

**93%** of organizations say that automation kickstarts digital transformation\*

\*The Economist "Advance of Automation" Survey available at automationfirst.economist.com



#### **'Automation First' Companies Will Win Their Markets**





#### What Can Automation Do for You?

**Robotic Process Automation** 

(J)

Emulates a person by executing manual, repetitive tasks

Makes decisions based on set rules

Seamlessly integrates with existing applications

Accelerate Benefits From Digital Transformation



Reduce Compliance Cost & Risk

**Customer Outcomes** 





Increase Employee Satisfaction & Engagement



#### What Can Software Robots Do?

Here are some of the tasks that can be easily handed over to Robots



Look at That Robot Go!



#### Anything That Can Be Automated, Will Be



Customers			
LOVERPA			



#### **Automation Now a C-Level Priority**

The INTELLIGENCE UNIT

**91%** of surveyed organizations are using automation technologies

73% are 'very' or 'entirely' satisfied with the returns from automation to date

For **84%** of companies, automation is a C-level executive's responsibility



"We've gone from people not even having heard of RPA to it being one of the most talked-about things in our planning meetings."

State Auto Insurance



#### You're in Good Company...





#### **World's Largest Hybrid RPA Implementation**

SMBC

Implementation time:

5 months

**¥50B** Cost reduction by 2020

Hours created by 2020

**3M** 

200+ Operations automated

**5 SIS** Accenture, EY, Deloitte, IBM, and PwC

Compliance/risk operations

Support branch operations

Routine operation center processes

Other high-volume routine operations within Headquarter departments

Information-gathering processes used to enhance sales & planning

#### **PwC Rolls Out the Largest Robot Deployment in History**

**Enterprise Level Governance & Standards** 

The program includes thousands of Robots generating new revenue streams and completely transforming PwC's services strategy



#### Source: PWC

Path

The UiPath		
Enterprise RPA Platform		
<b>Ui Path</b> <sup>™</sup>		

#### Your End to End Automation Suite

From planning to measuring your automation, everything you need in one platform





#### **UiPath Connect Enterprise**

Manage your automation pipeline, store documentation/components, calculate ROI, and report on performance with a cloud-based automation lifecycle management tool





#### **UiPath Studio**

#### Visually design your automations

#### StudioX – For Business Users Studio – For RPA Devs StudioT\* – For testing automation \* Coming Q12020 in Preview

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#### **UiPath Robots**

#### Run your automations from a desktop, data center, or the cloud



# Path

#### **UiPath Orchestrator**

Securely control, manage, and monitor your global digital workforce. Deploy it how you want.



#### **UiPath Apps**

Bring a human in the loop to automate more work from start to finish through seamless human-robot collaboration

nd Ope
nd Ope
nd Ope



#### **UiPath Insights**

Measure and analyze how your robots and your processes perform



#### 

THE ECOSYSTEM



PROJECTS

MARKETPLACE

### A company's automation can be roughly divided into three levels





#### **The Value of Bottom-Up Automation**

The combination of a comprehensive top-down and bottom-up approach to automation allows in the medium terms to create more value



# Automation Opportunities




# **Our robots learn 3 types of Cognitive Skills**



109

Where Do You Start?				
<b>Ui Path</b> <sup>™</sup>				



## **Start Easy; Move at Your Pace**





### More Than a Product Strong ecosystem and enabling technologies



# **UiPath Global Technology Alliance Ecosystem**





Ui Path

About	UiPath		
UIPath			

	No arc	th	

### A Leader in the 2019 Gartner Magic Quadrant for Robotic Process Automation Software

UiPath achieves the highest and furthest overall position for its ability to execute and completeness of vision

UiPath believes this signals a tipping point for automation market growth and adoption

Figure 1. Magic Quadrant for Robotic Process Automation Software



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# **A Forrester Wave Leader**

Highest Scores in Current Offering, and Highest Possible Scores in Strategy and Market Presence

*"References report that UiPath will go the extra mile to meet a client's need and cite the transparent and innovation culture as a plus.* 

They also applaud the low cost of getting started, the well-organized partner channel, overall product stability, and strong security."

THE FORRESTER WAVE<sup>™</sup>

Robotic Process Automation

FIGURE 1 Forrester Wave™: Robotic Process Automation. Q4 2019

Q4 2019



# **Featured in Forbes**

- #3 on the Forbes 2019 Cloud 100 list
- Cover article for September 2019



Guess who is on the front cover of @Forbes! Huge milestone for the #RPA market. Here's the authentic story of @danieldines and UiPath from an apartment in Bucharest to a hyperscale global leader - bit.ly/2llcBwv.





# **Ui**Path

Crossing the chasm from pilot to full scale RPA deployment



One of the big challenges of 2019 will be helping our clients scale-up their RPA program as few organizations have entered into a full scale phase

#### **STAGES OF IMPLEMENTATION OF RPA**

According to a recent Capgemini global survey\*, only 10% of companies in the financial sector, the most advanced in terms of RPA implementation, have started a full scale implementation





Our client base reflects this situation as well with only 3% having today more than 50 robots implemented

#### **CLIENTS BY NUMBER OF ROBOTS**



Clients by number of robots installed (abs)

Note: licenses for attended/ un-attended robots considered. Orchestrator and Studio licenses not considered. Data as of 9th January 2019







# Preparing for an RPA Roll-out

Scale-up assessment

10 most common Pitfalls to avoid for a successful roll-out



During the preparation phase organizations need to secure the backing of the C level and build a realistic rollout plan

#### MAIN ISSUES TO ALIGN TO BE ABLE TO SCALE-UP

Α	Ensuring Key stakeholders engagement and C level support	
В	Determining the approach and scope of the automation program	
С	Building an Operating Model	
D	Secur	ing funding



A It is crucial to engage the C level and key stakeholders as soon as the early benefits of an RPA pilot are visible

#### **ENGAGING KEY STAKEHOLDERS**

WHO	WHY
CFO	It will become crucial to have CFO support to be able to properly fund the RPA roll-out program
Heads of major Business Units and departments	These are the ultimate beneficiaries of RPA, and their consent and support will be required to modify and automate processes
Head of support services	More often than not the head of support services (GBS) tends to be the early sponsor of an RPA initiative as quite often RPA is first deployed in back office functions
CIO	While RPA tends to be more business led, CIO and IT should not be ignored as IT's full backing is a pre-requisite to a successful RPA program
Chief Personnel Officer	The deployment of RPA will be a source of anxiety among staff and it is important to enroll the help of the HR department to create a communication and change program accordingly
IT Security	IT security specialists need to feel reassured that RPA will not be breaking any security rules and that it is in full accordance with the organization's security protocol
Chief Compliance Officer & Internal audit	As RPA will modify some processes and alter issues such as segregation of duties, it is important that an organization chief compliance officer and the internal audit team are involved and their concerns addressed upfront and that an ongoing collaboration is established with them



Organizations need to secure the backing of the C level, understand the strategic importance of RPA and agreeing on few fundamental issued to be ready to scale up their automation program

#### MAIN ISSUES TO ALIGN TO BE ABLE TO SCALE-UP

Α	Ensuring Key stakeholders engagement and C level support
В	Determining the approach and scope of the automation program
С	Building an Operating Model
D	Securing funding



В

#### LEVELS OF AUTOMATION





#### COMPLEMENTARY APPROACHES TO AUTOMATION



### **Bottom-up effort**



B

The combination of a comprehensive top-down and bottom-up approach to automation allows to create more value

#### **VALUE CREATION OPPORTUNITIES**



**Number of Automation Opportunities** 



#### MAIN ISSUES TO ALIGN TO BE ABLE TO SCALE-UP

Α	Ensuring Key stakeholders engagement and C level support	
В	Determining the approach and scope of the automation program	
С	Building an Operating Model	
D	Secur	ing funding



C The operating model for RPA will be determined by the maturity of the RPA deployment, the chosen approach to automation, the scope of the program and finally the organization's existing structure

**KEY DRIVERS OF AN RPA OPERATING MODEL** 





С

#### **KEY COMPONENTS OF AN RPA ORGANIZATION**

X	ROLE	
-	STRUCTURE	
4	SKILLS	
\$	GOVERNANCE	
	PROCESSES	



С

To determine the required skills, it is important to first understand the different steps of the automation for large process automation

#### THE 8 STEPS OF TOP DOWN AUTOMATION







#### MAIN ISSUES TO ALIGN TO BE ABLE TO SCALE-UP

Α	Ensuring Key stakeholders engagement and C level support		
В	Determining the approach and scope of the automation program		
С	Building	an Operating Model	
D		Secu	ring funding



D

One key element of scaling-up on automation program is to move from a funding and ROI per automatable process to a company wide ROI and program level funding

**CHANGE OF FUNDING MINDSET** 



**Ui**Path

# Preparing for an RPA Roll-out

Scale-up assessment

3 10 most common Pitfalls to avoid for a successful roll-out





## Having solely a tactical approach to RPA

2

Under-estimating the stakeholder management effort



Having a process by process approach to ROI and justifying it solely on FTE reductions



Under-estimating the skills required for a full roll-out



Lacking a clear operating model





Wanting to automate too much of a process



Not selecting carefully enough the best processes to automate



Forgetting about IT



Considering RPA as an IT only topic



No C level backing

# **Ui**Path

# Thank you!

# Ctg Automation, AI and the future of work

Guy Kirkwood








# function start()

var today = Date(); var h = today.getHours(); var m = today.getMinutes(); var s = today.getSeconds(); m = correctTime(r); s = correctTime(s); d o c u ment, get El ementById( //calling the function var t = set Timeout(start,



## 3 to 6 products

**Ui** Path





1,328 to 2,860 employees



## 2,349 to 5,087 customers



.

## \$150m to \$300m ARR

### Magic Quadrant

#### Figure 1. Magic Quadrant for Robotic Process Automation Software



### THE FORRESTER WAVE™

### Robotic Process Automation Q4 2019



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Technology Fast 500 NORTH AMERICA Deloitte.





## Fordes.

New Billionaire Daniel Dines

"I want a robot for every person."

THE 2019 CLOUD 100

### **Boss of the Bots**

UIPATH IS TERMINATING OFFICE GRUNT WORK WITH ITS ARMY OF SOFTWARE ROBOTS—AND HAS BUILT A \$7 BILLION JUGGERNAUT, SEEMINGLY OVERNIGHT







"We need automation just to relieve the stress created in organisations."





CONTRACTOR OF

## 

"We went from one license to having robots in 10 out of 12 *departments* in just 18 months."





"Employees are asking 'can a robot do that?" Market *pull* is now becoming stronger than *push*."



### "RPA is providing the most valuable thing on Earth... *time*."

LWAY

3

2

"We have happier employees."

2 Security

Socurity Benefit\*

Robots (

Security Benefit

Robots

Ui Path

Security Bene.

Security Benefit

Cas





"Robots are becoming net job *promoters*. They are creating more jobs than they eliminate."



**Ui**Path<sup>®</sup>





### "A robot for every person."



"It's our responsibility to make sure no one is left behind."





## guy@uipath.com







## Enjoy our networking lunch!



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