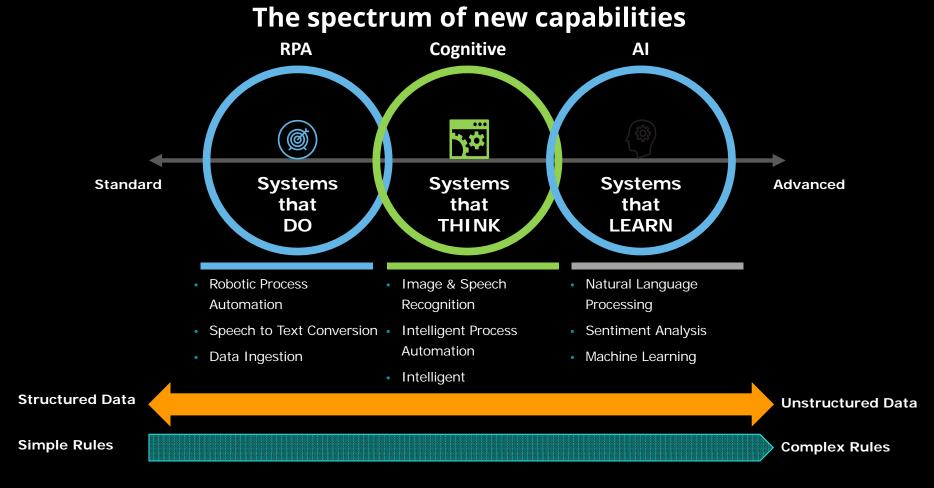
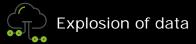
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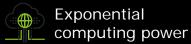


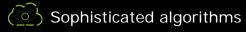
The Bots Are Coming

Paul Macmillan May 23, 2019





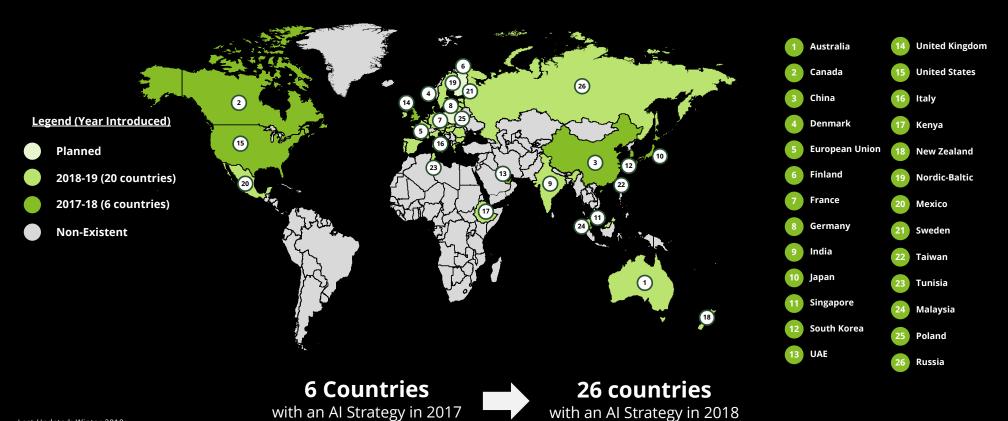






Intelligent humanmachine interactions

There is a global surge of national artificial intelligence strategies



Last Updated: Winter 2018 © 2019 Deloitte Inc.

4

These national strategies focus on some common outcomes



Setting Ethical and Privacy
Standards

Australia Singapore Nordic-Baltic Region



Accelerating Research through Centres of Excellence

Sweden Finland France



Increasing Talent, Jobs, and Economic Growth

United Kingdom Taiwan South Korea

Canada is charting its own path towards Al

Pan-Canadian AI Strategy



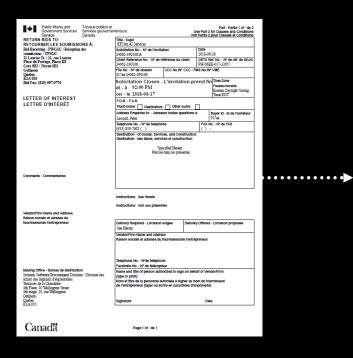
- 1 Enhance Canada's research and training profile
- 2 Increase collaboration across geographies
- (3) Attract talent to translate research into benefits

Responsible Artificial Intelligence



- 1 Narrow versus general intelligence
- 2 Data quality and prevention of bias
- **3** Transparency and accountability

Artificial Intelligence Source List (EN578-180001/B)



Services

Expert Advice on AI Applications and Taxonomies Feasibility Assessments, Peer Reviews

Products

Design Implementation and Road-mapping Develop and Implement Pilots

Solutions

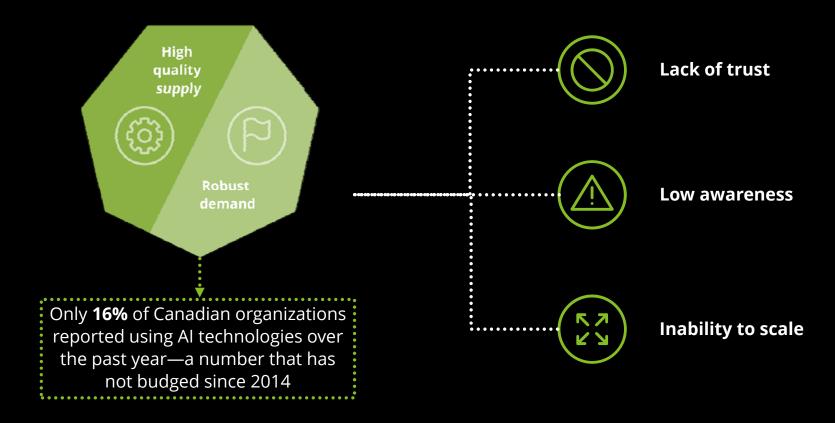
Commercially off-the-shelf products (COTS) related to AI Text analytics and sentiment analysis Clustering and pattern recognition Outcome predictions Chatbot interactions Automated decision making support

Despite this global mobilization towards artificial intelligence, many governments still fail to realize the full benefits of these technologies. Why?

Despite this global mobilization towards artificial intelligence, many governments still fail to realize the full benefits of these technologies. Why?

Often because artificial intelligence is viewed with a lack of trust, low awareness, and an inability to scale.

We spoke to organizations across Canada to learn more about these barriers



Deloitte Future of Canada: State of Al in Enterprise Survey N=147 © 2019 Deloitte Inc.



Businesses and consumers express concerns about the unintended consequences of Al adoption

Top 3 ethical risks of Al that concern Canadian early adopters

Jsing Al to manipulate information and create falsehoods	42%
Jnintended consequences of Al decisions	41%
ack of explanation / audit trail for Al decisions	41%
	Inintended consequences of AI decisions

Deloitte Future of Canada: State of Al in Enterprise Survey N=147



Suppliers have difficulties proving the value of their AI solutions

Top 3 challenges reported by AI suppliers

Challenges in measuring and proving the business value_{41%} of the Al solution

2 Issues working with partners and yendors

Difficulty finding the right use case to tackle with Al

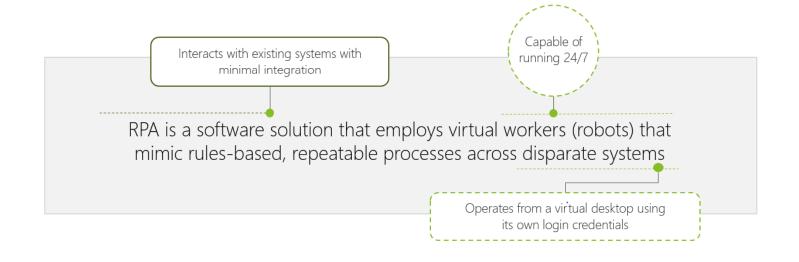


Organizations struggle to move from experimentation to full implementation

Top 3 challenges reported by AI early adopters

1	Integrating Al into the company's roles and functions	40%
2	Implementation challenges	39%
3	Data issues	39%

Defining Robotic Process Automation (RPA)



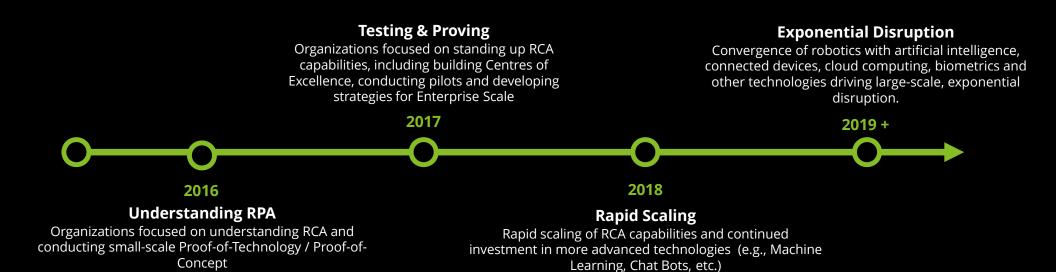
What RPA Is....

- Computer-coded software
- Programs that replace humans performing repetitive rules-based
- tasks-functional and crossapplication macros

What RPA Is Not...

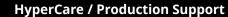
- Walking, talking auto-bots
- Physically existing machines processing paper
- Artificial intelligence or voice recognition and reply software

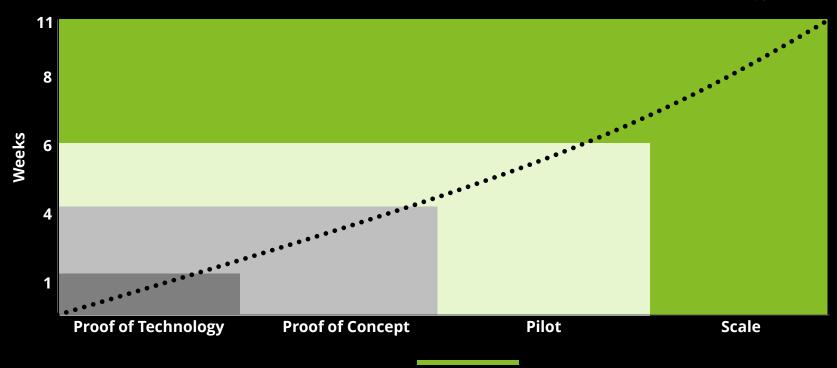
The bots are coming!



Robotics have become prominent across industries, with impact on workforce productivity and customer experience driving adoption at scale.

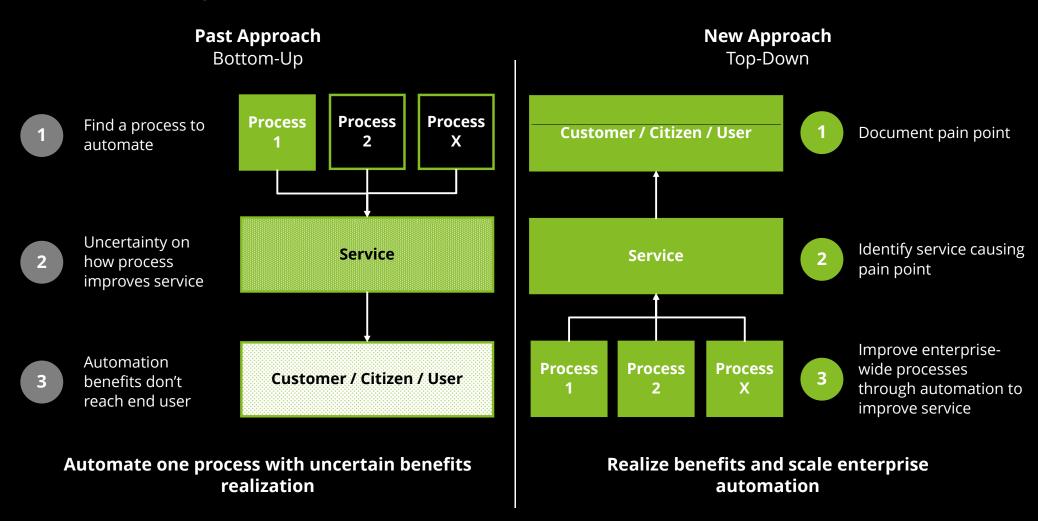
Organizations across industries are have shifted focus from proof to scale



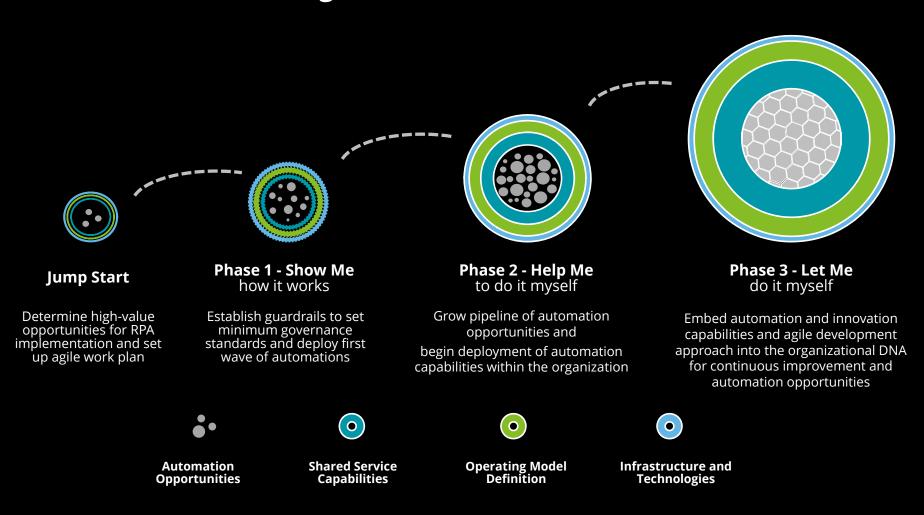


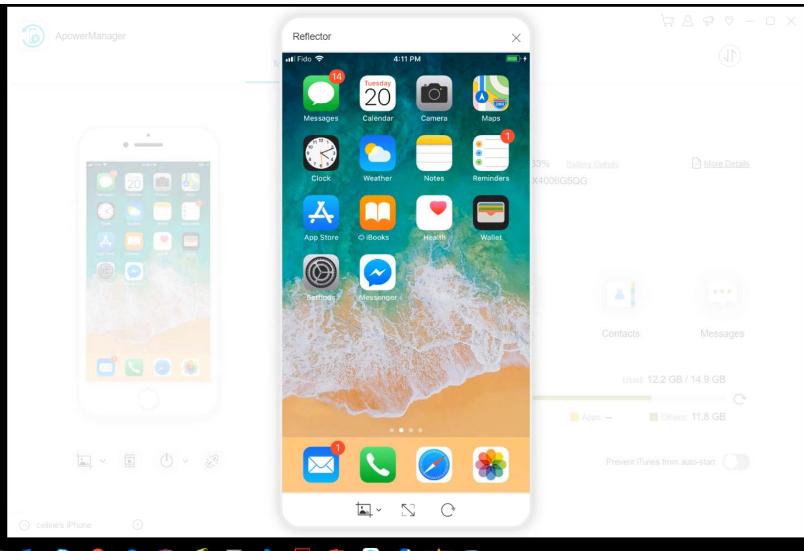
Lessons learned and new approaches have enabled organizations to focus on scale from the get-go

One way to scale RPA is to listen to the "voice of the customer"



Getting started to realize benefits









































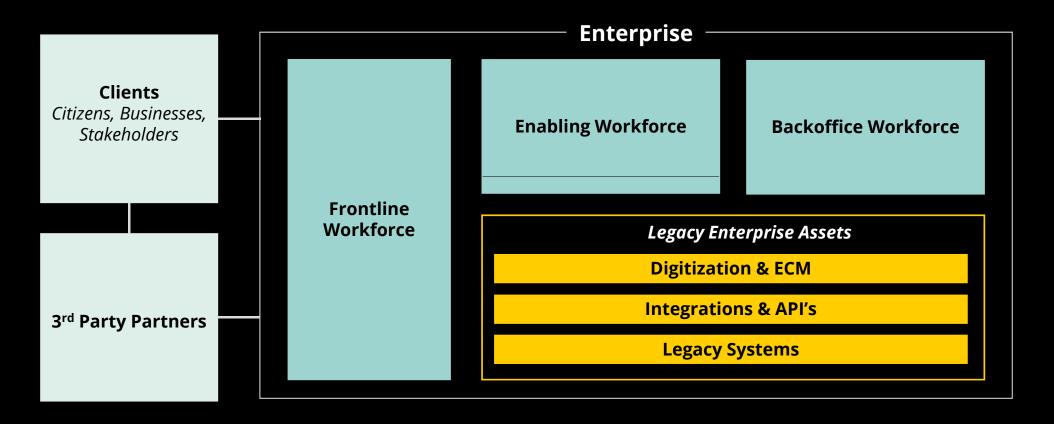








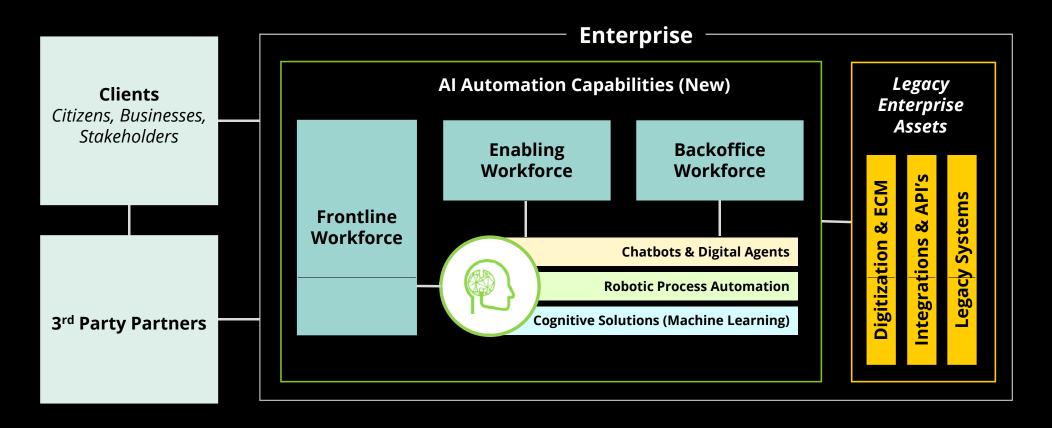
Al builds on existing talent and technical capabilities



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Introducing AI capabilities into the enterprise landscape



To begin scaling AI, organizations must align on a strategy

Sample AI Strategies

Different organizations may aspire to be different things











Al-at-the-Centre

Ecosystem Integrator

Client/Citizen-Centric

Product-Service Innovator

Cost Leader

Who are our customers and beneficiaries?
What internal data is available?
What research needs to be completed?
How do we organize and what partnerships do we need?
What talent do we need and how are our employees impacted?

Artificial intelligence is coming full force to every corner of our lives. Luckily, we're prepared for this renewal.

Deloitte.

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