





## IDC FutureScape: Worldwide IT Industry 2017 Predictions Latin America Impact

Q&A with the IDC Latin America 2017 Predictions Team



## Latin America IT Industry Predictions Team 2017

**Bold** = **Q&A** participants

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# ORGANIZATIONAL IMPACT

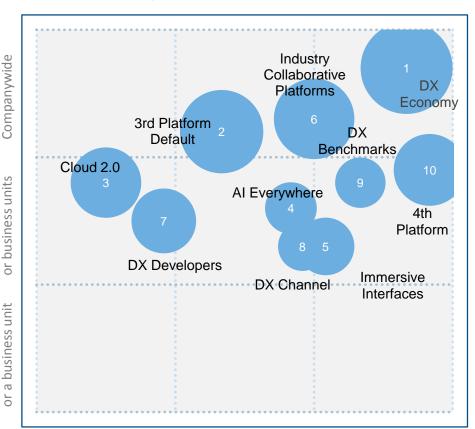
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## IDC FutureScape:

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## **IT Industry 2017 Latin America Implications**



- By 2020, 40% of Latin America's top 3000 companies will see the majority of their business depend on their ability to create digitally enhanced products, services, and experiences
- By 2020, 3rd Platform technologies and services will drive nearly 40% of IT spending growing at twice the rate of the total it market
- By 2020, 55% of all enterprise IT Infrastructure and software spending will be for cloud-based offerings; the cloud will morph to become distributed, trusted, intelligent, industry focused, and
- By 2020, 10% of all Digital Transformation initiatives, and 60% of all effective IoT efforts, will be supported by Cognitive/Al capabilities
- In 2017, 1 out of 10 consumer-facing Latin America top companies will experiment with AR/VR as part of their marketing efforts
- By 2019, the Number of Industry Collaborative Clouds in Latin America will double to more than 50 across many industries; most of these will come from partnerships between top cloud vendors or public and private industry collaboration efforts.
- By year-end 2017, over 40% of the Top 3,000 companies in Latin
   America will have dedicated digital transformation and innovation teams
- 8 By 2020, Over 50% of Cloud Services Providers' Cloud Revenue Will Be Mediated by Channel Partners/Brokers
- 9 DX Benchmarks Define New Leaders By 2020, all enterprises' performance will be measured by a demanding new set of DX-driven benchmarks, requiring 20–100% better business performance
- By 2020, 1/3 of Health/Life Sciences and Consumer Products companies will begin developing the first wave of products and services tightly integrating 3rd Platform technologies with the human body.

0-12 12-24 24+

TIME (MONTHS) TO MAINSTREAM

Note: The size of the bubble indicates complexity/cost to address. Source: IDC, 2016



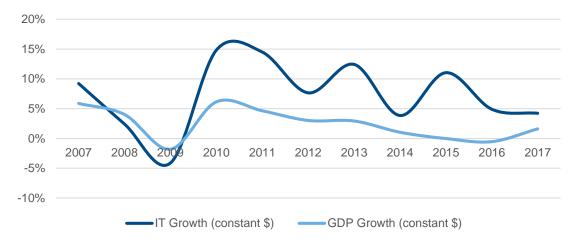


### Digital Transformation At The Heart of **Economic transformation**

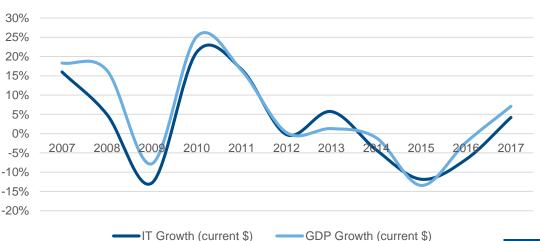
- IT spending in dollars of that year grows at similar rates to that of the economy
- Total ICT spending in Latin America will reach 274.2 billion dollars in 2017, 3.9% more than in 2016 at constant dollar rates.
- Those companies that invest during the economic downturn are the same companies that show greater results and higher profitability after the rebound.

#### -5% -10% -15% -20% IT Growth (current \$)

#### Latin America IT vs. GDP Growth (constant \$)

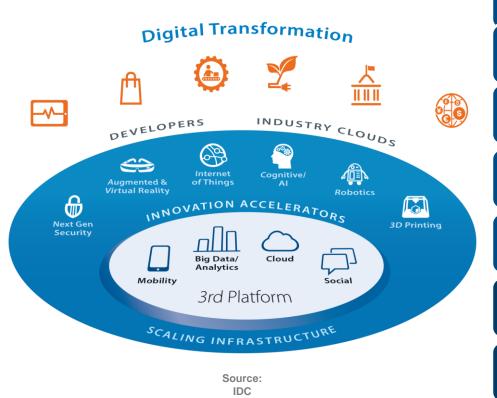


#### Latin America IT vs. GDP Growth (current \$)





## Key Themes: 2017-2020



DX at macroeconomic scale

Economic Transformation in Emerging Markets

3<sup>rd</sup> Platform pillars go "2.0"

Innovation Accelerators scale up

4th Platform over the horizon

Everything is speeding up

Consumer scale a must for all

Ecosystems as important as IP



## Dawn of the DX Economy





## Digital Transformation (DX)

Using **3**<sup>rd</sup> **Platform** technologies to create value and competitive advantage through:

- New/Enhanced Offerings
- New Business Models
- New Relationships

#### **Prediction 1**

By 2020, 40% of Latin America's top 3000 companies will see the majority of their business depend on their ability to create digitally-enhanced products, services and experiences.

By the end of 2018, revenue growth from information-based products will grow 50+% for 1/3 of the top 3000 companies in the region

By 2020, 1/5 of CEOs and COOs of the Top 3000 companies will have spent at least 5 years in a tech leadership role.

In 2020, regional spending on DX initiatives will reach \$22 billion, more than 2X larger than 2016.



#### 3rd Platform Dominates – and Evolves







#### **Prediction 2**

By 2020, 3rd Platform technologies & services will drive nearly 40% of IT spending – growing at over 5X the rate of the total market.

## The "4 pillars" will evolve:

- Mobility IoT, 5G, wireless power
- **Cloud** Cloud 2.0
- Big Data Cognitive/Al
- Social –
   Immersive, with
   AR/VR

## Innovation Accelerators will mainstream:

- Cognitive/Al
- loT
- AR/VR



## Get Ready for "Cloud 2.0"





#### **Prediction 3**

By 2020, 55% of Enterprise IT Infrastructure and Software will be for Cloud-based offerings.

#### **Distributed**

- 50+% offprem by 2018 in the region
- 85% multicloud by 2018
- 43% of IoT processed at the edge in 2019

#### **Trusted**

Cloud =
"secure"
• Cloud-based
encryption,

• By 2020,

threat
2018 analytics,
block chain,
cessed at compliance

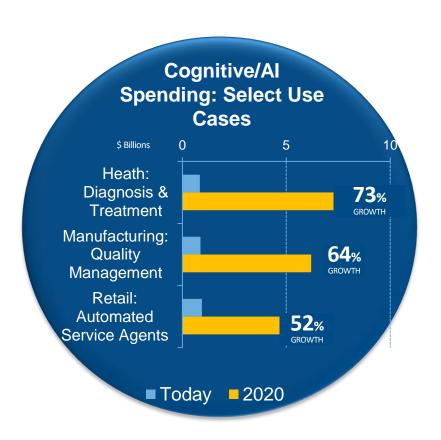
#### Concentrated

 By 2020, the Top 5 Cloud laas/PaaS players globally will control at least 75% share (vs about 50% in 2016)



## AI, Everywhere





#### **Prediction 4**

By 2020, 10% of DX initiatives – and 60% of IoT initiatives – will be supported by Cognitive/Al capabilities.

By 2025, 75% of developer teams will include Cognitive/Al functionality in one or more applications/ services.

By 2019, over 110 million consumer devices with embedded intelligent assistants will be installed in U.S. households.

In 2017-2020
9 of the Top 10
Cognitive/Al
use cases will
be industryfocused,
account for
85% of Top 10
investment.



#### Immersive Interfaces Catch Fire





#### **Prediction 5**

In 2017, 1 out of 10 consumer-facing Latin America top companies will experiment with AR/VR as part of their marketing efforts.

In 2018, the monthly active user base of consumers using mobile augmented reality apps will exceed 30M in Latin America.

By 2020, over 20% of commercial media on Facebook will be 360°/VR, as Social goes "immersive". Dark horse scenario: 20% of all social media is 360° by 2020.

In 2019, companies will deploy earworn wearables, with Alenabled voice interface, as digital assistants for customerfacing roles.



## Industry Collaborative Clouds Surge



A cloud-based platform through which multiple companies in an industry collaborate in some fashion towards a common goal, such as improving industry insight and/or capability.

# SIEMENS SIEMENS SIEMENS DEBRARMENT OF TECHNOLOGY NYSE Euronext. SAP Ariba Industry Collaborative Clouds Intelligent Manufacturing FORWARD Intelligent Manufacturing SOLTRA

#### **Prediction 6**

By 2019, the number of Industry Collaborative Clouds will double to more than 50.

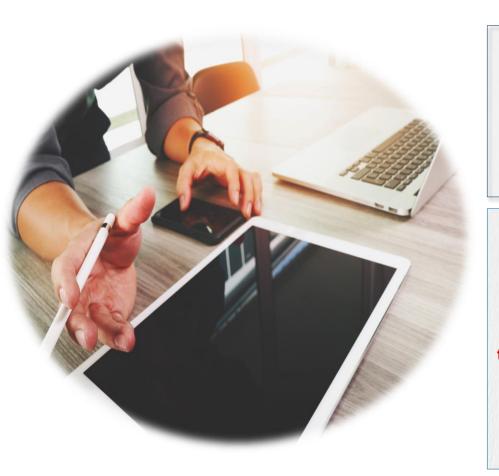
By 2020, almost 60% of enterprises will actively participate in compliance Clouds. By 2020, 30% of the top 3000 companies in the region will be suppliers of digital services through Industry Collaborative Clouds.

90%+ of Industry
Collaborative
Clouds will partner with a
Cloud megaplatform
provider.



## DX Developer Teams, Communities





#### **Prediction 7**

By year end 2019, over 60% of the top 3,000 companies in Latin America will have dedicated digital transformation/innovation teams.

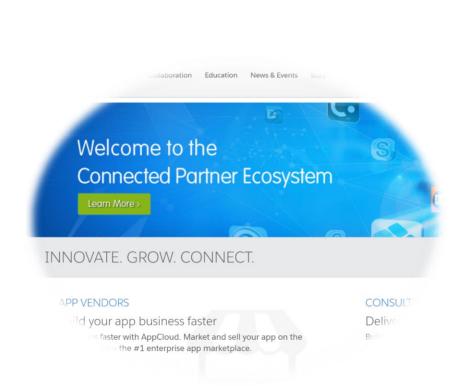
By 2019, enterprises pursuing DX strategies will expand their developer teams by 2-3X By 2019, more than 20% of the value of software will be monetized through "things" and consumer and business services.

By 2020, DX teams will source 80%+ of their solution components from open source communities.



#### The DX Channel Arrives





#### **Prediction 8**

By 2020, over 50% of Cloud services providers' revenues will be mediated by channel partners/brokers.

By 2020,
major IT
distributors
will have
transitioned at
least 1/3 of
their business
from hardware
sales to cloud
services
sales/brokering

By 2019, most Cloud service providers outside of the Top 10 will offer brokered access to their leading competitors' cloud services.

By 2020, the "cloud broker" landscape serving SMBs will become highly verticalized, offering cloud-based business services.



## New DX Enterprise Benchmarks for All













**DIGITAL** EADERSHIP

DIGITAL OMNI-**EXPERIENCE** 

DIGITAL **INFORMATION** 

**DIGITAL OPERATING** MODEL

DIGITAL WORKFORCE

33%

of CEOs will have technology leadership experience

improvement in Net Promoter score when customers own their experience

35% 100% 20%

growth of revenue from informationbased products

of operational processes will be self healing

50%

reduction in management layers

#### **Prediction 9**

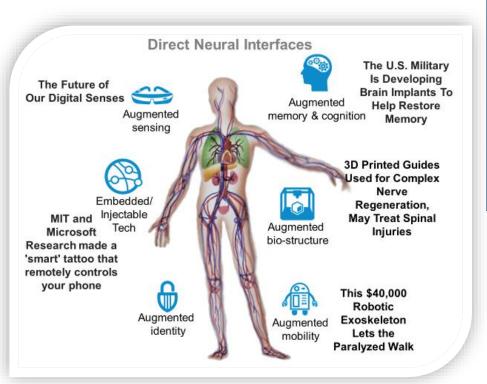
By 2020, all enterprises' performance will be measured by a demanding new set of DX-driven benchmarks, requiring 20-100% better business performance



#### 4th Platform On the Horizon



The 4th Platform: integration of digital technologies with human biosystems, and the use of digital technologies to engineer biological systems at the cellular and subcellular level.



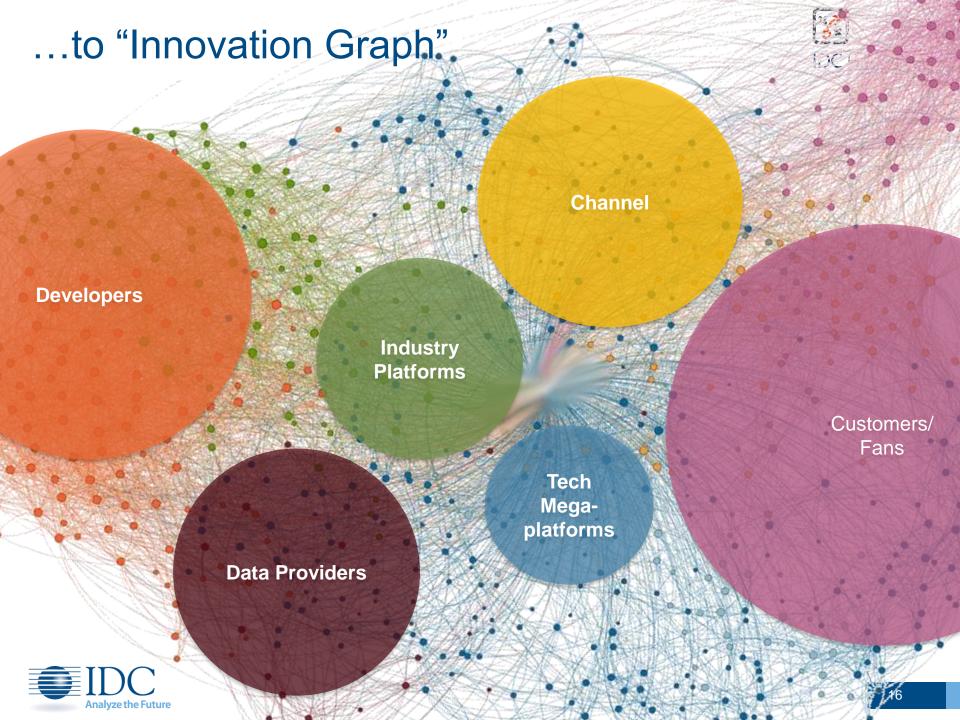
#### **Prediction 10**

By 2020, 1/3 of Health/Life Sciences and CP companies will begin to develop the first products and services tightly integrating 3rd Platform technologies with the human body.

"Augmented Humanity" offerings will be mainstream in the mid-2020s.

R&D/Innovators stage: now – 2021 Early Adopters stage: 2021-2026 Early Mainstream stage: 2026 -







## IDC FutureScapes:2017 Worldwide Predictions

IDC FutureScape: Worldwide Software Business Models and Monetization 2017 Predictions

IDC FutureScape: Worldwide Wearables/AR-VR 2017 Predictions IDC FutureScape: Worldwide Connected Vehicle 2017 Predictions

IDC FutureScape: Worldwide Financial Services 2017 Predictions

IDC FutureScape: Worldwide Government 2017 Predictions IDC FutureScape: Worldwide Healthcare 2017 Predictions

IDC FutureScape: Worldwide Manufacturing 2017 Predictions

IDC FutureScape: Worldwide Manufacturing Product /Service Innovation 2017 Predictions

IDC FutureScape: Worldwide Manufacturing Supply Chain 2017 Predictions

IDC FutureScape: Worldwide Mining 2017 Predictions

IDC FutureScape: Worldwide National Security & Public Safety 2017 Predictions

IDC FutureScape: Worldwide Oil & Gas 2017 Predictions

IDC FutureScape: Worldwide Operations Technology 2017 Predictions

IDC FutureScape: Worldwide Payments 2017 Predictions IDC FutureScape: Worldwide Retail 2017 Predictions IDC FutureScape: Worldwide Smart Cities 2017 Predictions

IDC FutureScape: Worldwide SMB 2017 Predictions
IDC FutureScape: Worldwide Telecom 2017 Predictions

IDC FutureScape: Worldwide Utilities 2017 Predictions

IDC FutureScape: Worldwide IT Industry 2017 Predictions

IDC FutureScape: Worldwide Digital Transformation (DX) 2017 Predictions

IDC FutureScape: Worldwide CIO Agenda 2017 Predictions

IDC FutureScape: Worldwide CMO 2017 Predictions

IDC FutureScape: Worldwide 3D Printing 2017 Predictions

IDC FutureScape: Worldwide Analytics, Cognitive/AI, and Big Data 2017 Predictions

IDC FutureScape: Worldwide Cloud 2017 Predictions

IDC FutureScape: Worldwide Connected Devices 2017 Predictions

IDC FutureScape: Worldwide Consumer Technology 2017 Predictions

IDC FutureScape: Worldwide Datacenter 2017 Predictions

IDC FutureScape: Worldwide Enterprise Infrastructure 2017 Predictions

IDC FutureScape: Worldwide HPDA 2017 Predictions

IDC FutureScape: Worldwide Imaging, Printing, Doc Solutions 2017 Predictions

IDC FutureScape: Worldwide Intelligent ERP 2017 Predictions

IDC FutureScape: Worldwide Internet of Things 2017 Predictions

IDC FutureScape: Worldwide Mobility 2017 Predictions

IDC FutureScape: Worldwide Robotics 2017 Predictions

IDC FutureScape: Worldwide Security Products & Services 2017 Predictions

IDC FutureScape: Worldwide Services 2017 Predictions

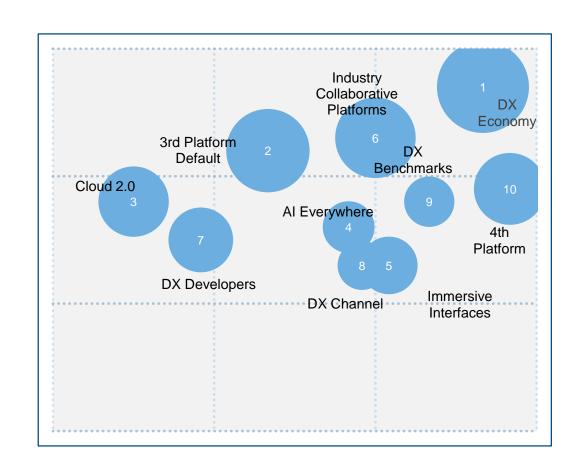
IDC FutureScape: Worldwide Social and Customer Experience 2017 Predictions



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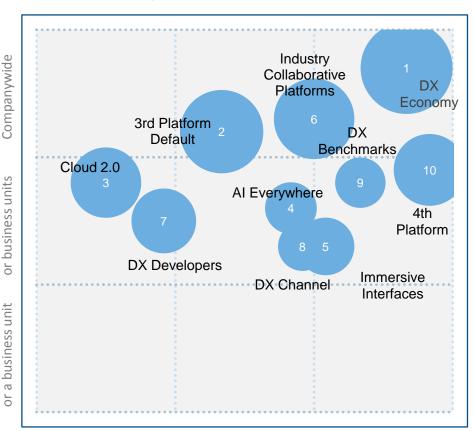
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