



You make **possible**



Accelerating an Analytics-Driven Organization

Shanthi Iyer
VP and Chief Data Officer, Cisco

CISCO *Live!*

Barcelona | January 27-31, 2020



Top Data & Analytics Technology Trends

Automated data management

Impact: Focus on high-value tasks

Analytics democratization

Impact: Faster, cheaper experimentation

Real-time analytics

Impact: New, time-sensitive applications

Conversational analytics

Impact: Broader adoption

Explainable AI

Impact: Trust and transparency



Intelligent



Emergent



Scalable

Business Benefits of ML/AI



Maximize operating
cash flows and margins



Maximize customer
retention and cross-sell



Rapidly identify
and mitigate risk



Drive growth into
new markets



Scale business in complex,
multi-modal world

ML/AI: A Different, Disruptive Paradigm

Analytics

(Business Intelligence, Descriptive Analytics)

> Humans make decisions

> Hard to measure; low impact

> Ad-hoc need; mostly upfront

> Analysts, architects, administrators



*Strategic
intent*

*Measurable
impact*

*Stakeholder
engagement*

*Analytics
talent*

Advanced Analytics

(Data Science, Machine Learning, AI)

> Data makes decisions;
humans take action

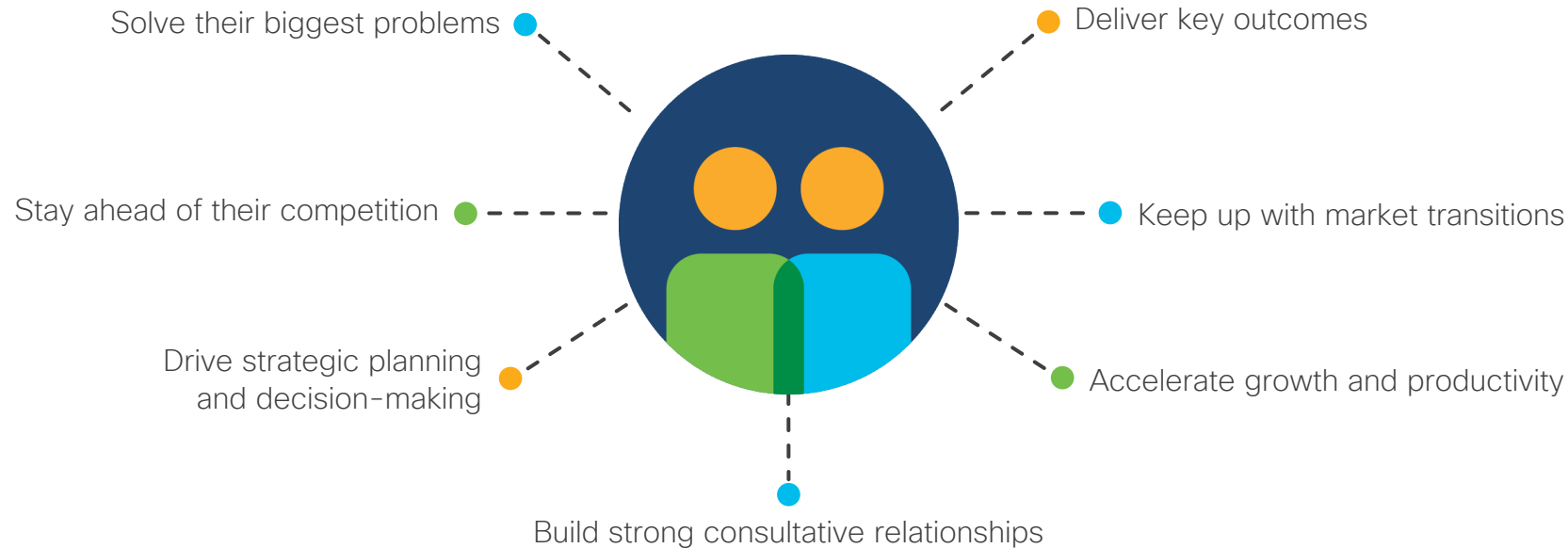
> Easier to measure; high impact

> Frequent, ongoing engagement

> Scientists, engineers

What We're Hearing from Our Customers

Cisco customers want us to partner with them to:



Cisco's Transformation

Cisco is moving to a Customer Lifecycle Value based business; data and analytics are foundational to our transformation



Customer Lifecycle

Company needs to pivot to a customer-centric model



Success Measures

New critical metrics need to be defined for the enterprise



Culture

Data and analytics driven decisions

Cisco's Data & Analytics Office

The Why & The What

A centralized DAO function providing **visibility**, **connection** and **transformation**.
Changing the culture of an entire company starts **here**.



Enterprise Data Governance



Education

Growing Cisco's internal community of data and analytics practitioners through education, exposure and experiences



Best in class
training programs



Competitions
& events



University
partnerships



Non-profit volunteer
opportunities



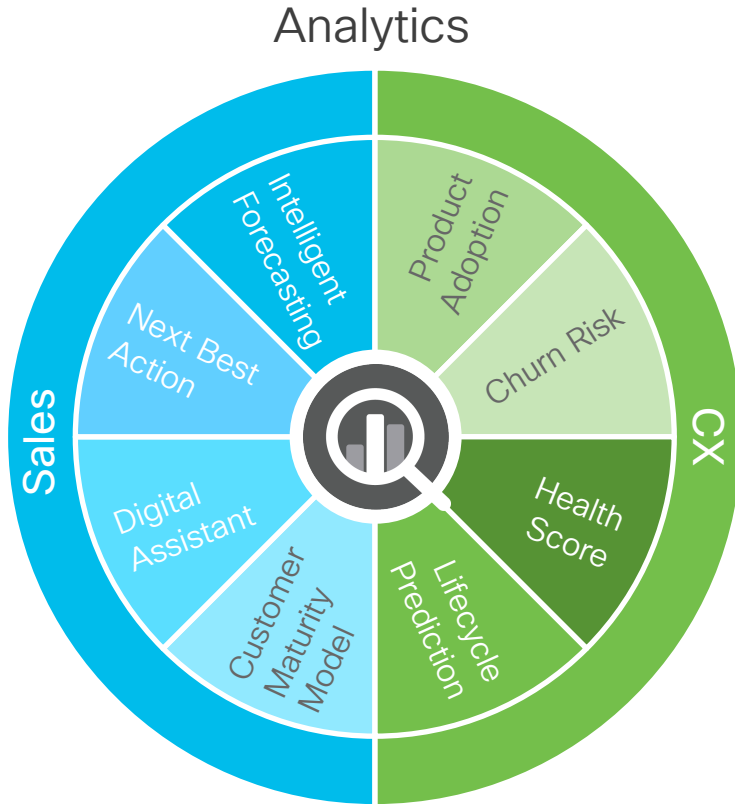
Professor in
residence



Knowledge
sharing forums



Advanced Analytics Focus Areas



Targeted Deliverables

- Shared data access
- ML engineering as a service
- Co-development across ML community
- Execution focused on business results

Productivity-Driven Analytics

Smart
products

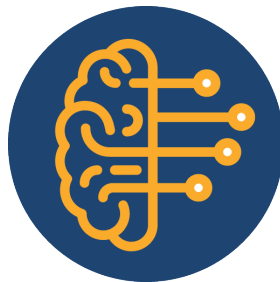
Intelligent RMA
experience

Automated digital
assistant



Predictive
models

Commerce



Deep
learning

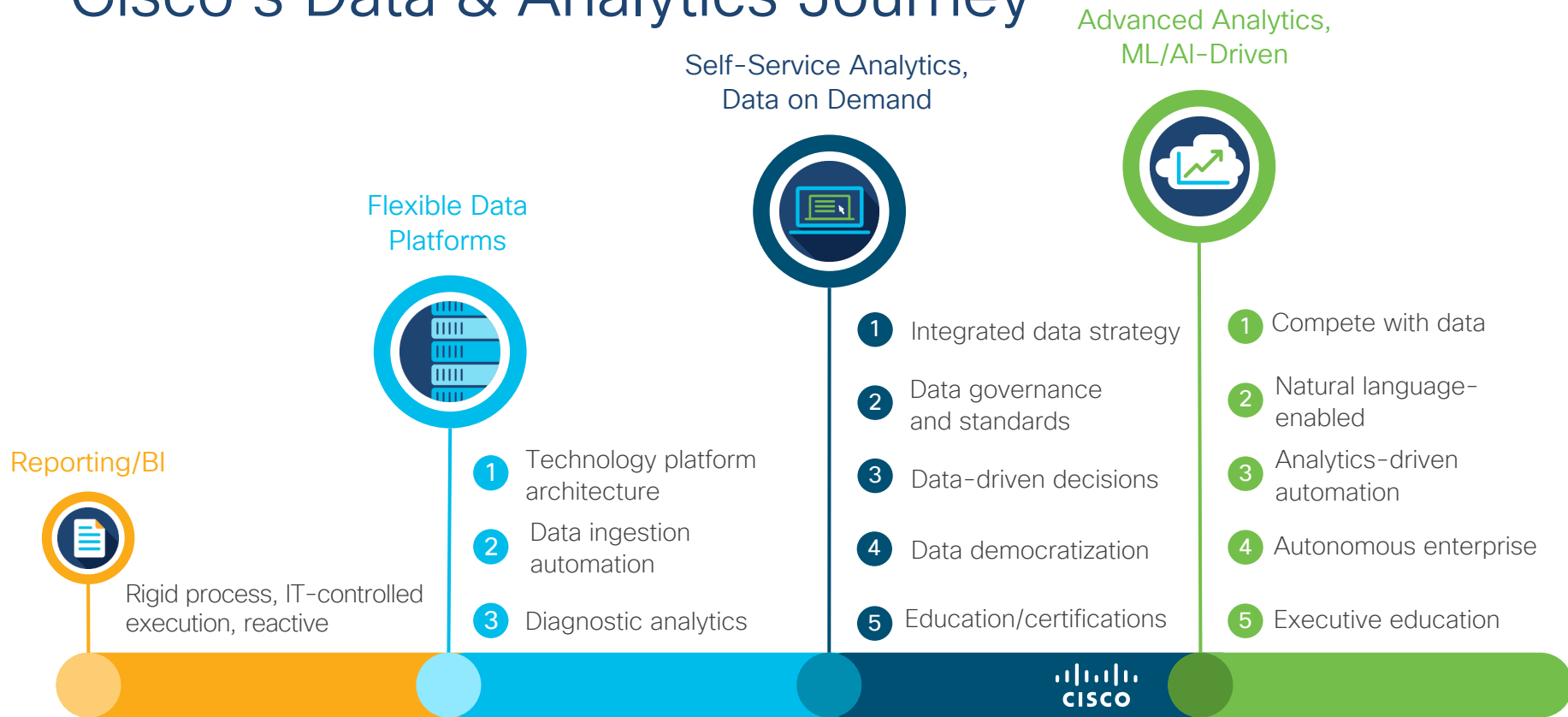
Financials



Natural language
processing

Factory

Cisco's Data & Analytics Journey



Key Learnings About Data and Analytics



Drive value



Tight partnerships



Strong governance



Executive
sponsorship



Don't wait for
perfection – start
and evolve



Showcase
what's possible



You make **possible**