

YOUR VOICE FOR BLOCKCHAIN IN THE SUPPLY CHAIN

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**CBSCA**  
Canadian Blockchain  
Supply Chain Association



EMERGING FROM THE NOISE

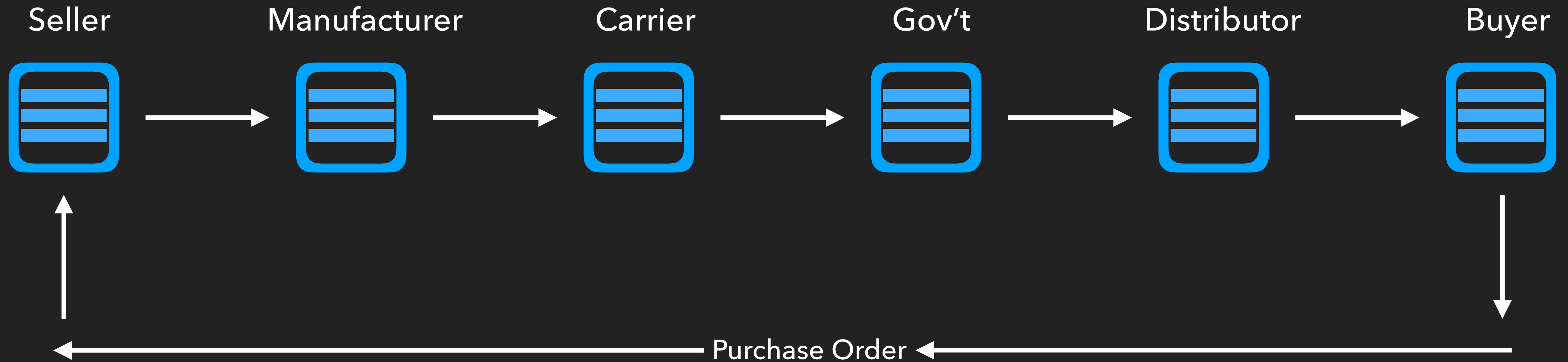
TECHNOLOGY MADE FOR THE SUPPLY  
CHAIN

GARTNER: "BLOCKCHAIN WILL MOVE THE WORLD ECONOMY AWAY FROM SLOW, EXPENSIVE, ANALOG METHODS USED SINCE THE 19TH CENTURY"

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**BLOCKCHAIN**

# SUPPLY CHAINS



Traditional supply chains can be complex  
With dozens, if not hundreds of touch-points  
But the flow of information is still very \_\_\_\_\_ linear

# BLOCKCHAIN SUPPLY CHAIN

Seller

Manufacturer

Carrier

Gov't

Distributor

Buyer



Purchase Order

Purchase Order

Purchase Order

Purchase Order

Purchase Order

Purchase Order

Sales Order

Sales Order

Sales Order

Sales Order

Sales Order

Sales Order

Waybill

Waybill

Waybill

Waybill

Waybill

Waybill

Customs

Customs

Customs

Customs

Customs

Customs

Inventory

Inventory

Inventory

Inventory

Inventory

Inventory

Payment

Payment

Payment

Payment

Payment

Payment

**S H A R E D L E D G E R**



AS WITH MOST EMERGING  
TECHNOLOGIES,  
ADOPTION IS SLOW. HERE  
LIES OUR MISSION

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**ADOPTION**

# BEYOND THE HYPE

## Blockchain Developers Around The World

 Country	Programming Background:	Blockchain + Python	Blockchain + C#	Blockchain + Ruby	Blockchain + Java	Blockchain + Solidity
 U.S.		7,752	23,542	2,168	9,784	3,641
 Canada		1,520	3,803	403	2,057	781
 U.K.		1,465	4,736	393	2,215	1,010
 Germany		931	931	196	1,313	574
 Ukraine		399	1,356	99	522	403
 Poland		394	1,166	96	539	285
 India		5,377	16,870	519	8,364	2,561

# BLOCKCHAIN IN CANADA

280 companies

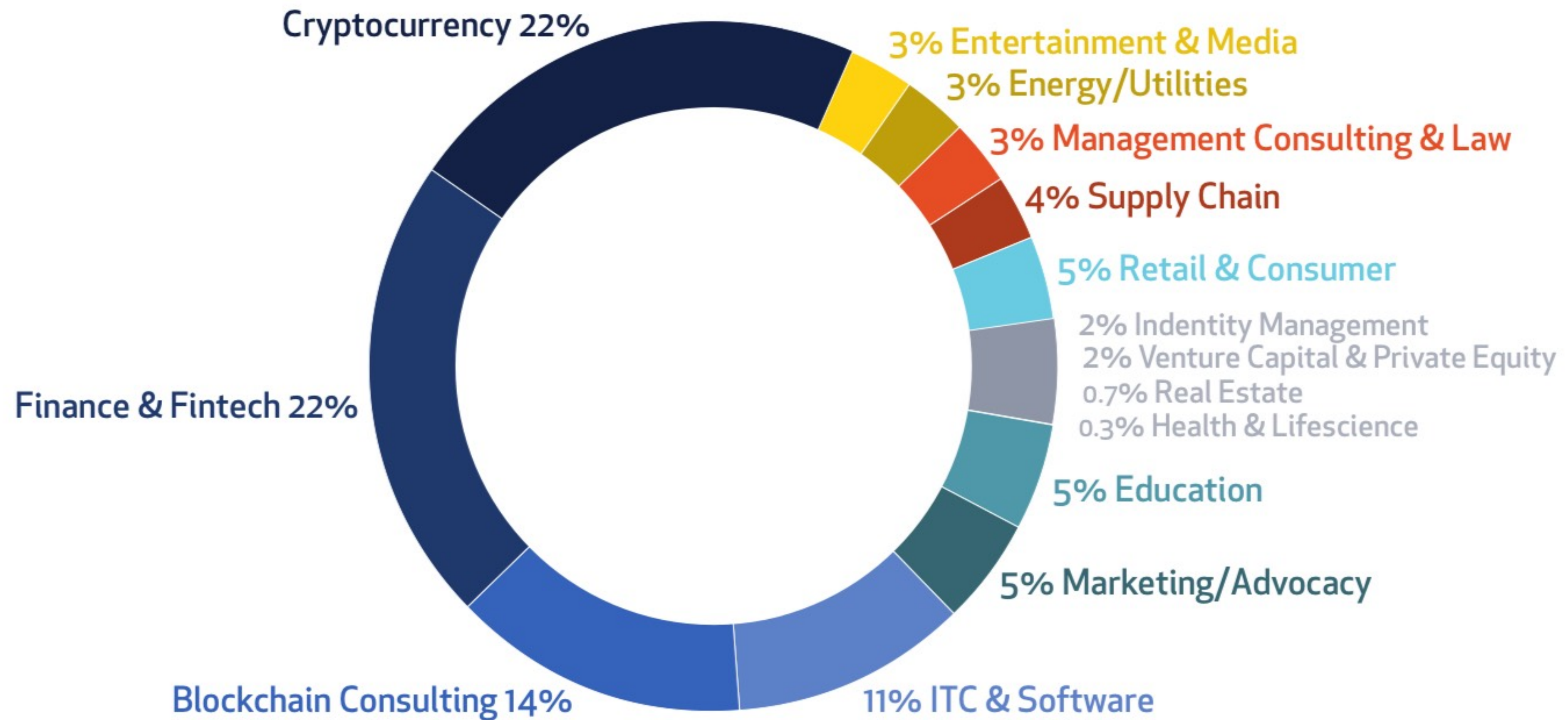
1 Ontario

2 British-Columbia

3 Québec



# SUPPLY CHAIN



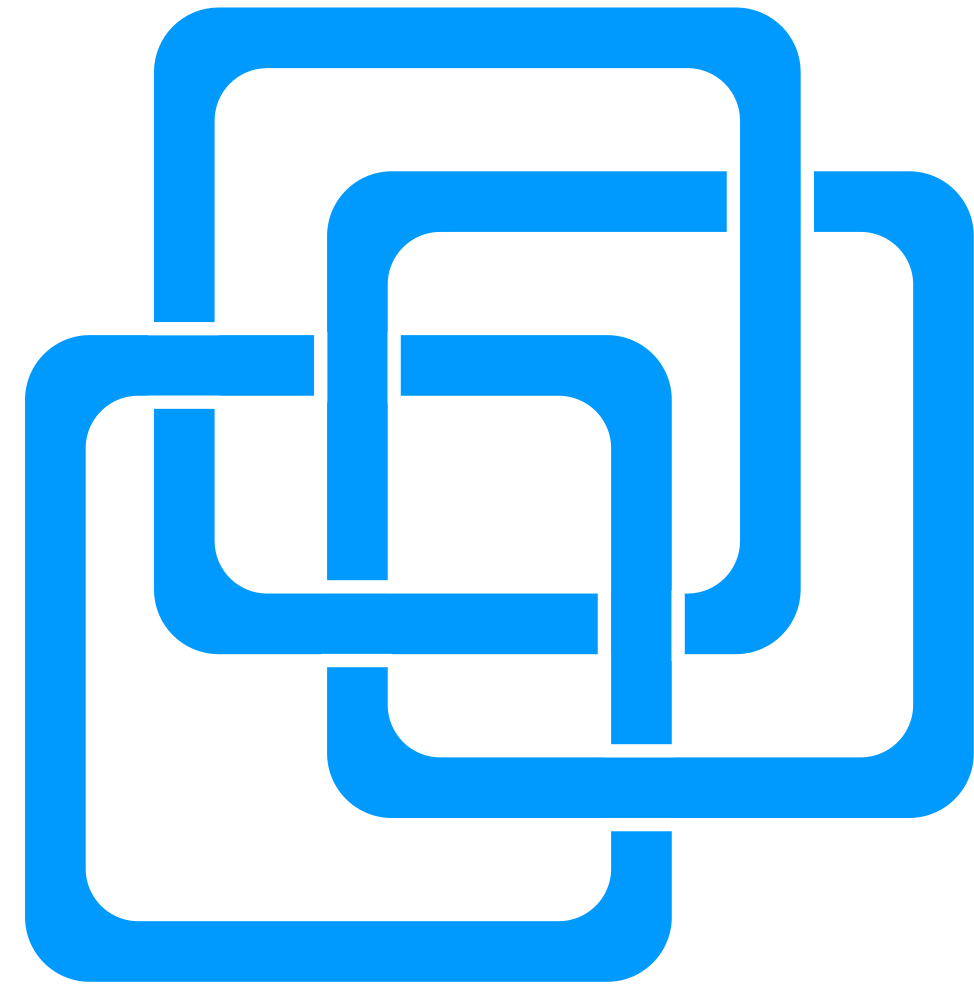
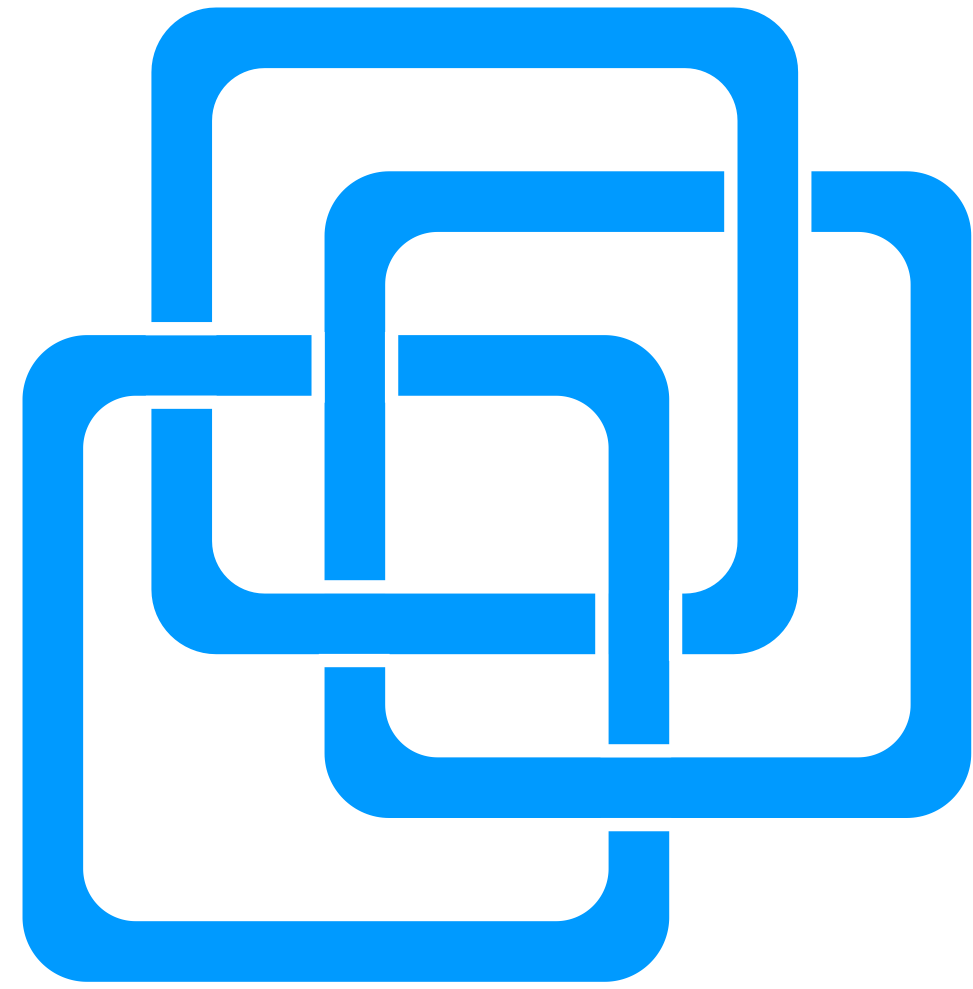
Source: 2019 Report of the state of the Canadian Blockchain Ecosystem by The Information and Communications Technology Council (ICTC)

# BARRIERS TO ADOPTION

IMPERFECT INFORMATION

THIRD PARTIES

INSTITUTIONAL INERTIA



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**ADVOCACY**

**COLLABORATION**

**EDUCATION**

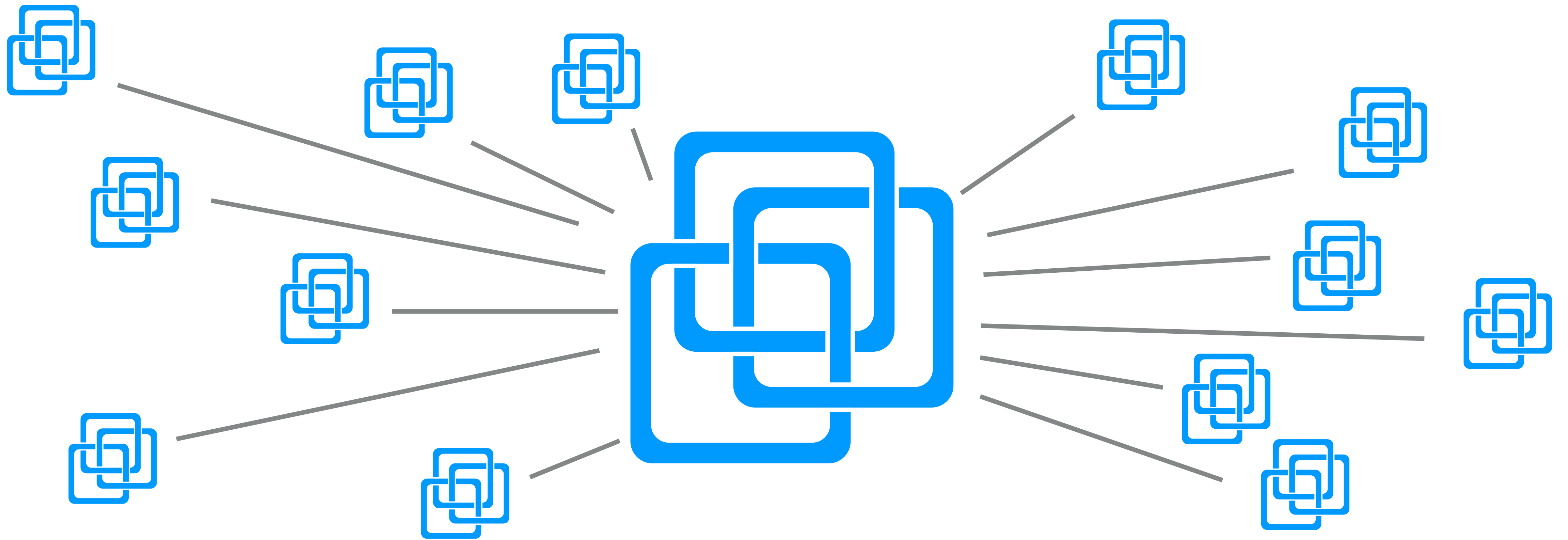


▶ 01100100 01101001 01100111 01101001 01110100  
01101001 01111010 01101001 01101110 01100111  
00100000 01110100 01101000 01100101 00100000  
01110011 01110101 01110000 01110000 01101100  
01111001 00100000 01100011 01101000 01100001  
01101001 01101110

- ▶ Working with Governing bodies
- ▶ Standardization / Interoperability
- ▶ Open Source

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**ADVOCACY**



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**COLLABORATION**

**STANDARDS**

**WORKING GROUPS**

**PILOTS**

**DAPP**

**FIFO**

**SMART CONTRACT**

**INCOTERMS**

**HASH**

**WAYBILL**

**DISTRIBUTED**

**DECONSOLIDATION**



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**EDUCATION**



# OUR COMMUNITY

LIKE-MINDED MEMBERS WHO WANT TO ACCELERATE THE ADOPTION OF BLOCKCHAIN RELATED TECHNOLOGIES WITHIN THE CANADIAN SUPPLY CHAIN ECOSYSTEM



# MEMBERSHIPS

# INDIVIDUAL AND CORPORATE



# OUR MEMBER ROADMAP

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**Government**

- ▶ CBSA
- ▶ CFIA
- ▶ Health Canada
- ▶ Provincial

**Industry**

- ▶ Food
- ▶ Pharma/Cannabis
- ▶ Aerospace
- ▶ Retail
- ▶ Mining

**Learning**

- ▶ Universities
- ▶ Associations

**Logistics**

- ▶ Air Cargo
- ▶ Sea Cargo, ports
- ▶ Truck
- ▶ Rail
- ▶ 3PL

**Technology**

- ▶ Blockchain
- ▶ IoT
- ▶ AI
- ▶ Fintech

# OUR MEMBERS AND PARTNERS



AND SUPPLY CHAIN PROFESSIONALS FROM ACROSS THE INDUSTRY



# WHY JOIN AN ASSOCIATION?

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**“THE NEEDS OF THE MANY  
OUTWEIGH THE NEEDS OF THE  
FEW”**

**Mr. Spock**

# WHY JOIN?

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## ADVOCACY, COLLABORATION AND EDUCATION

- ▶ Shape Advocacy initiatives with different levels of government
- ▶ An opportunity to learn from and interact with peers to advance commercially viable results
- ▶ Help build Consensus and Standards
- ▶ Better visibility to and from industry projects and trends
- ▶ Helps to promote Digital Transformation and competitiveness
- ▶ Reach a highly targeted audience



HELP OUR MEMBERS  
ADVANCE COMMERCIALY  
VIABLE RESULTS THROUGH  
DIALOGUE AND  
STANDARDIZATION

**“THE SUPPLY CHAIN INDUSTRY NEEDS TO MOVE FORWARD WITH TECHNOLOGY FOR IT TO BECOME MORE SUSTAINABLE. THERE IS TOO MUCH WASTE. BY COMBINING THINGS LIKE IOT TO COLLECT DATA, BLOCKCHAIN TO STORE THE DATA AND A.I. TO PROCESS IT, WE CAN TAKE OUR INDUSTRY TO THE NEXT LEVEL”**

**CBSCA**



**CBSCA.CA**