

ADVANCING CANADIAN INNOVATION

CANARIE HIGHLIGHTS

2015 - 2020

ENABLING CONNECTIVITY

 **769** 

INSTITUTIONS CONNECTED TO CANADA'S NATIONAL RESEARCH AND EDUCATION NETWORK (NREN)

THROUGH RESEARCH AND EDUCATION PARTNER NETWORKS IN 12 PROVINCES AND TERRITORIES



AND THUS, TO TENS OF THOUSANDS OF INSTITUTIONS WORLDWIDE



TOTAL

NETWORK TRAFFIC GROWTH IN PETABYTES (PB)

400 PB

2019-20

173 PB

2015-16

TOTAL TRAFFIC GROWTH:

2.31x

IN FIVE YEARS!



HOW MUCH IS 400 PB?



IT'S EQUIVALENT TO 4.3 MILLION 4K MOVIES!

INTERNATIONAL

NETWORK TRAFFIC GROWTH IN PETABYTES (PB)

176 PB

2019-20

71 PB

2015-16

INTERNATIONAL TRAFFIC GROWTH:

2.48x

IN FIVE YEARS!



TO INFINITY AND BEYOND!
CANADIAN RESEARCHERS ARE COLLABORATING WITH THE WORLD.

BOOSTING SECURITY

137



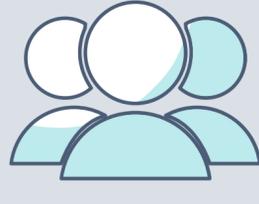
INSTITUTIONS PARTICIPATING IN THE **JOINT SECURITY PROJECT** COLLABORATING TO ENHANCE INSTITUTIONAL CYBERSECURITY CAPACITY

11



SECURITY INFORMATION EVENT MANAGEMENT (SIEM) SYSTEMS DEPLOYED ON NREN INFRASTRUCTURE

+



TEAM OF NREN **SECURITY ANALYSTS** CREATED



ONE BILLION

OVER 1 BILLION EDUROAM INTER-INSTITUTIONAL LOGINS IN FIVE YEARS, ENABLING SECURE ACCESS TO CAMPUS WI-FI FOR STUDENTS, FACULTY AND RESEARCHERS ON THE MOVE

307M

LOGINS
2019-20

WE LIKE WHERE THIS IS **GROWING!**

119M

LOGINS
2015-16

THAT'S **A LOT!**

ACCELERATING DISCOVERY



965

STARTUPS

CREATED NEW PRODUCTS AND SERVICES USING THE DAIR CLOUD SERVICE

WHAT KIND OF PRODUCTS AND SERVICES?

DIGITAL MEDIA & TELECOM

FINANCIAL SERVICES

LIFE SCIENCES & ADVANCED HEALTH

ENERGY: CLEAN TECH, MINING, OIL & GAS

EDUCATION

771

RESEARCH TEAMS

USING CANARIE FUNDED RESEARCH SOFTWARE AND RESEARCH DATA MANAGEMENT SOFTWARE TO ACCELERATE THE CREATION OF NEW KNOWLEDGE

