

ADVANCING CANADIAN
INNOVATIONCANARIE HIGHLIGHTS
2015 - 2020ENABLING
CONNECTIVITY

769

INSTITUTIONS CONNECTED TO CANADA'S NATIONAL
RESEARCH AND EDUCATION NETWORK (NREN)THROUGH RESEARCH AND EDUCATION PARTNER
NETWORKS IN 12 PROVINCES AND TERRITORIESAND 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

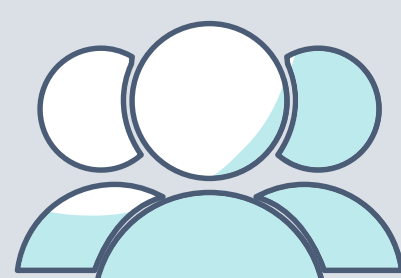
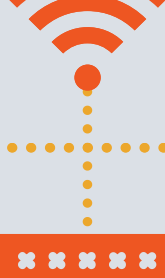
IN FIVE YEARS!

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 INFRASTRUCTURETEAM OF NREN
SECURITY ANALYSTS
CREATEDONE
BILLIONOVER 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 SERVICEWHAT KIND OF
PRODUCTS AND
SERVICES?DIGITAL MEDIA
& TELECOMFINANCIAL
SERVICESLIFE SCIENCES
& ADVANCED
HEALTHENERGY: 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