IoT IS HERE

IS YOUR SWITCHING INFRASTRUCTURE READY TO WEATHER THE STORM?

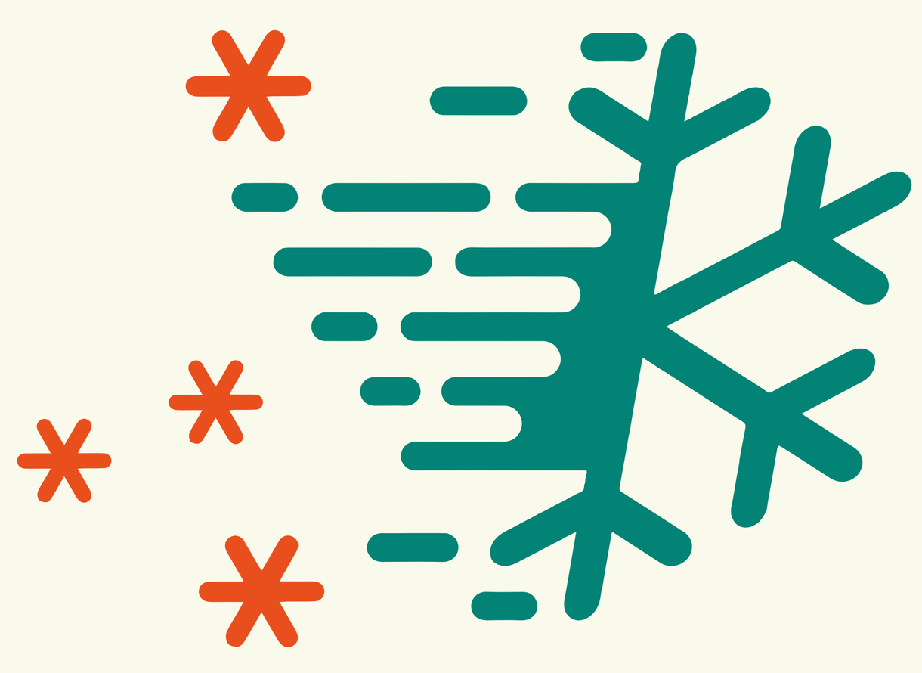
IoT IS ON THE RISE

IN THIS ERA OF THE INTERNET OF THINGS (IoT), THE FORECAST IS OMINOUS:
NETWORKS NEED TO ADAPT TO MEET THE DEMANDS OF THE VAST NUMBERS OF IoT DEVICES, TRAFFIC, AND DATA.

Switching infrastructure, in particular, needs to be ready. No longer just a port for wired connectivity, switches are now aggregators of the critical wired IoT devices deployed onto today's networks. It's time to make sure your switching infrastructure and network are prepared for the imminent IoT storm.

- Global IoT spending is expected to top **$1 trillion** by 2023[1]
- Around **29 billion** connected devices are forecast by 2022, of which around 18 billion will be related to IoT[4]
- **80%** of IT organizations report they've found IoT devices on their networks that they did not install, secure, or manage[3]
- **41%** of IT teams admit that their network security and segmentation is not properly implemented[2]

INNOVATION FREEZE DUE TO OUTDATED SOFTWARE



IoT is bringing a flurry of innovation that is poised to decimate networks run by old software. Outdated software lacks flexibility to support the new demands of IoT.

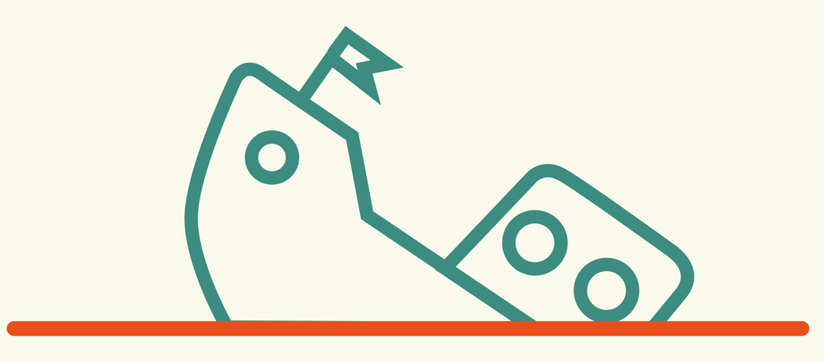
Fortunately, you can prepare for the storm by upgrading to a modern, programmable network—one that can adapt for mobile users, numerous sensors, and more IoT devices.

A BLIZZARD OF COMPLEXITY

As more IoT devices are onboarded onto the network, IT tasks become more complex.

Simplify network management with automation. You can bid farewell to manual, static configurations like VLANs and ACLs, while improving network efficiency, reliability, and productivity.

LOOMING SECURITY RISKS



With the exponential growth of IoT devices and connectivity requirements comes a turbulent sea of security risks.

Brace your network with better segmentation strategies. Dynamic Segmentation for unified policy enforcement across wired and wireless networks keeps traffic, devices, and users more secure.

LIGHTNING STRIKES: POWER DRAIN LIKELY

There's no torrential downpour quite like IoT devices on today's networks. These devices will require adequate power from network switches, both now and into the future as IoT footprints grow. Set your network up for future success with always-on Power over Ethernet (PoE) and the ability to dynamically monitor and allocate PoE consumption.

WEATHER THE IoT STORM WITH A NEXT-GEN NETWORK

WHILE NO NETWORK CAN ESCAPE THE APPROACHING IoT STORM, YOU CAN BE PREPARED FOR THE INEVITABLE WITH:

- **TURNKEY AUTOMATION** for faster, simplified operations
- **DYNAMIC SEGMENTATION** for enhanced security
- **DISTRIBUTED ANALYTICS** to ease network management
- **ALWAYS-ON PoE AND MULTI-GIG ETHERNET** to boost capacity and eliminate re-cabling efforts

WITH AN END-TO-END SWITCHING SOLUTION, YOUR NETWORK WILL HAVE JUST WHAT IT NEEDS FOR EVERY POTENTIAL IoT HAZARD.

MAKE THE SWITCH TO ARUBA CX

www.arubanetworks.com/switch-forward

1. IDC, Worldwide Internet of Things Spending Guide: https://www.idc.com/getdoc.jsp?containerId=IDC_P29475.
2. Network World, "Top Reasons for Network Downtime," November 2016.
3. Gartner, "Segmentation or Isolation: Implementing Best Practices for Connecting 'All' Devices," September 2019.
4. Ericsson, Internet of Things forecast: https://www.ericsson.com/en/mobility-report/internet-of-things-forecast.

aruba a Hewlett Packard Enterprise company | OGX WWW.OGX.COM.MY