

# AT&T's Cybersecurity Protections

## AT&T helps protect data from end to end, at rest and in motion, across each layer that comprises a network connection.

- The Device Layer – Protecting the hardware (the “thing” that is connected);
- The Connectivity Layer – Embedding security in the network;
- The Data/Application Layer – Protecting the data and apps connected to the network, whether in data centers or in public, private, or hybrid clouds;
- The Threat-Analysis Layer – Using machine learning and advanced threat analysis to understand how hardware is being used, where it is being used and who is using it.

## At AT&T, we provide holistic protection through our People, Processes, and Tools

- AT&T Threat Intellect<sup>SM</sup> is more than a suite of security services. It's the security foundation built from the people, processes, products and tools that form our security backbone.



- Threat Intellect provides unparalleled visibility into the data patterns and threat activity across our network, using multitudes of unique threat signatures and constantly adapting to the latest security issues.
- The power of Threat Intellect gives us the ability to process 5 billion actual threat events, a full day's worth of activity for all of our security customers combined – in only 10 minutes.
- Threat Intellect automates the deployment of security protections. We estimate that this automation will improve the speed at which we can deploy security protections by over 95%, greatly improving threat detection and resolution.

## Our move to a software-defined network (SDN) allows us to help maximize responsiveness, efficiency, and provide additional layers of security.

- Using our leadership in Software-Defined Networking (SDN), we've become a leader in virtual security functions.
- Becoming a leader in security function virtualization has enabled AT&T to de-couple hardware and software components of network security devices to provide security software as a service, extend capabilities into our enterprise, infrastructure and services and provide an open interface to interoperate with multiple vendors.

<sup>1</sup><http://www.computerweekly.com/feature/What-does-a-petabyte-look-like>