

BT

Overview

Industry

- Telecommunications

Challenge

- Huge dataset with confidential customer information
- Distributed, global workforce
- Protect against constantly-evolving and insider threat

Benefits

- Able to stay ahead of ever-changing threats
- Threat Visualizer provides 100% network visibility
- Increased efficiency due to threat classification
- Able to carry out in-depth investigations into real-time incidents

Business Background

BT is one of the world's leading providers of communications services and solutions, serving customers in more than 170 countries. Its principal activities include the provision of networked IT services globally, including local, national and international telecommunications services, broadband, TV and internet products and services and converged fixed/mobile products and services.



Darktrace's machine learning and mathematics are extremely powerful in detecting activity that is abnormal and will be critical to our future cybersecurity.

Mark Hughes, president of BT Security

Challenge

As one of the largest telecommunications companies in the world, BT has an extremely complex network and large dataset containing confidential customer information. With billion pound revenues and a worldwide reputation to protect, BT prioritizes cyber defense, as a critical business issue.

Today, cyber threats are ever-evolving and attackers are becoming more sophisticated and intelligent. Intrusions into BT's networks could cause significant damage to not only their business but also the communication services as a whole in several countries across the globe. With a global workforce to manage, BT were seeking a cutting-edge technology to contribute to their cyber defense strategy and provide a solution to tackle the current threat landscape whilst maintaining a large, complex network.

Solution

BT selected Darktrace's Enterprise Immune System technology due to its unique ability to address the challenge of protecting against sophisticated and rapidly-evolving cyber threats that may already be inside its network.

Darktrace's Enterprise Immune System is able to stay ahead of emerging threats due to its self-learning nature, which is rooted in machine learning and Bayesian probabilistic mathematics developed at the University of Cambridge. By analyzing evidence from every user, device and network element, it builds powerful behavioral models of 'normality' for the network as a whole and, therefore, immediately detects any behavior or activity that deviates from the norm.

In addition, Darktrace classifies the threats it detects and visualizes them via the Threat Visualizer interface in order for BT's security team to handle them accordingly. By bringing all suspicious activity to light early, the company is able to quickly mitigate the risk before it escalates into a damaging breach of security.

Benefits

The Enterprise Immune System has enabled BT to be alerted to live or in-progress cyber threats, whether they originate outside or within the organization. The technology's unique ability to constantly redefine its 'understanding' of the organization allows it keep BT one step ahead of modern threats, which are developing new ways to access networks, infiltrate datasets and cause damage.

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Darktrace's approach to cyber security aligns and complements our own, their machine learning and mathematics are extremely powerful in detecting activity that is abnormal and will be critical to our future cyber security.

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Mark Hughes, president of BT Security

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