Rebasoft

School
Case study

Datasheet

Background

Our client is a Rugby Group UK boarding school with around 800 pupils who were having a problem with their network security. Students were sharing stolen credentials to bypass limits on their network access. This meant that the school couldn't fulfil their responsibility of restricting students from accessing harmful content and non-allowed services.

There was also recent policy where students were now allowed to bring in their own devices to school. So there were now thousands of laptops, iPhones, Kindles and smart watches connecting to the network. The IT team were not capable of managing this. Their current Network Access Control solution needed too much manual work to authorise devices. The workload was simply too much.

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> *Network Manager*

The challenges

They struggled with their current network access solution because it was only built to manage school devices, not student ones. They needed full visibility and management of all devices, something that could automatically identify and authorise sytems as soon as they connected to the network, to shift the workload off the IT team.

Installing agents on so many devices was out of the question, so it had to be an agentless solution. It also could not require 802.1x as they did not have the right network infrastructure for it.

They also needed the functionality to report on security configuration for compliance purposes.

Evaluation and proof of concept

The network manager identified four key IT areas where we needed to prove the effectiveness of Rebasoft:

- **Identify all non-authorised devices** by automatically discovering all IT assets including hardware, operating systems, installed applications and users
- **Deliver NAC functionality** including port blocking and VLAN steering
- **Check their systems against their security policy:**
  - Is antimalware installed?
  - Is disk encryption enabled?
  - Is autorun disabled?
  - Are administrator privileges required to install software?
- **Report and integrate** with existing ticketing and executive reporting systems

Deployment

With the credentials and network access from the IT operations team, Rebasoft was deployed and started collecting Network data using the existing HPE infrastructure. All devices on the network, even smart devices, started showing up immediately, which would allow the IT operations team to see and manage the student's device usage. Using NetFlow data would allow them to investigate the student's use of non-allowed services so they could put a stop to it.

Gathering endpoint information for compliance purposes was more tricky, since it was to be done without agents. But by using Windows Management Instrumentation (WMI), we managed to gather the information they needed.

They were able to implement their Network Access Control policies without 802.1x through the Rebasoft Management Console. Devices could automatically be authorised with appropriate access without the IT team.

During deployment the vulnerability system also highlighted lots of unresolved critical vulnerabilities in their systems.

The outcome

The school were able to do everything laid out in the proof of concept and were able to clamp down on the sharing of stolen credentials.

They also started using Rebasoft for vulnerability management since it was no extra cost.

They were able to retire their old SolarWinds and Bradford networks solutions, saving money and reducing complexity.

"We reduced costs which helped the school with it's financial aims. Reduced server and polling loads on the network. We were able to become more effective with fewer systems to operate and use. This meant saved time & reduction in errors. We also liked the fact that Rebasoft is a UK company with a local development office in Reading, which makes for an easier & stronger relationship with our chosen vendor." - Network manager.

Try it now

There's nothing like seeing it in action. After all, you wouldn't buy a car without test driving it.

BOOK A DEMO

Contact us

You can also get in touch via phone or email. We'll happily answer any questions.

Phone: +44 (0) 800 779 7322

Email: sales@rebasoft.net

21 London Road
Twyford
RG10 9EH
United Kingdom

About us

We at Rebasoft are committed to delivering a robust cyber security solution that addresses genuine business needs. We are not interested in a "silver bullet" approach. We believe that multiple functionalities from one platform and real-time data are essential for keeping up with today's cyber threat landscape. We believe this approach is the future of cyber security and we aim to be the pioneers. We are proudly a UK based company. Visit us at www.rebasoft.net

Rebasoft is still owned and managed by the original founders:

Philip Harragan
CEO & Founder
LinkedIn - Facebook

Steve Wilkinson
CTO & Founder
LinkedIn - Facebook - Twitter