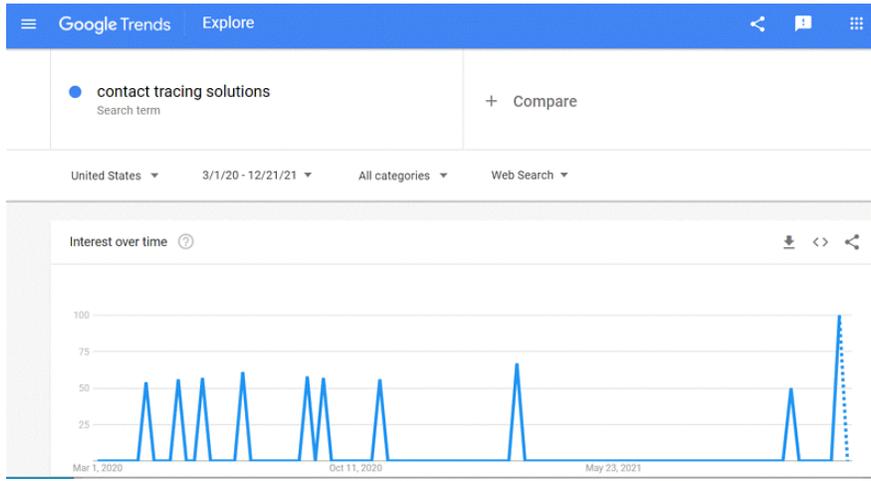


Daily Trends in COVID-19 Cases in the United States Reported to CDC

Keep Safe as Omicron Spreads

Omicron is the second most transmissible virus on the planet behind measles according to Dr. Claudia Hoyen, a pediatric infectious disease specialist at UH Rainbow Babies and Children’s Hospital in Ohio. A person with measles will infect on average 18 other people, compared to 15 for a person with Omicron. This helps explain why Omicron is rapidly overtaking Delta as the most prevalent COVID strain.

Google Trends confirms a resurgence in interest in “contact tracing solutions”. Its clear that businesses are taking a second look at automated social distancing and contact tracing solutions. The automated nature of these solutions reminds people to maintain social distances and allows for detailed contact tracing with the push of a button.



[AiRISTA](#) has deployed tens of thousands of [tags](#) for its [social distancing & contact tracing solution](#). The solution is simple to use and deploys quickly. Contact salesinfo@airista.com for more information.

Condition Monitoring - Creative Use Cases

Fighter Jet

Automobile Tires

Prepreg Expiration Dates

Rolls of the epoxy infused fabric is removed from refrigeration and laid out on cutting tables for the skins of fighter jets. [BLE RTLS tags](#) on each roll determine the time spent out of refrigeration and is deducted from the expiration date. Eliminating expired prepreg saves flaws caught at the end of the production cycle.

FIFO Rubber Stock Rotation

Blocks of natural and synthetic rubber are cut and sent to the vulcanizer which produces sheets of black tire rubber. Rubber blocks are removed from inventory in a FIFO fashion using [BLE RTLS tags](#) to help adhere to expiration dates and alert when expired material should be avoided.

Log4j Security Vulnerability - AiRISTA Guidance

Venting Mines

Package Tampering

Activity-based Venting

The massive fans that vent underground mines consume considerable energy. Creative operators have begun monitoring the number and types of vehicles in various areas to adjust the speed of the fan. [Wi-Fi and BLE tags](#) attached to vehicles identify the vehicle, its type and location, and using the tag's accelerometer determine when it is running.

Light Detection of Opened Box

The location of packages in transport are often monitored as well as conditions like temperature. But sensitive contents that should remain closed are subject to tampering. Placing light detecting tags inside the container will indicate if the container has been opened and can generate an alert including the location of the violation.

Log4j Security Vulnerability - AiRISTA Guidance

AiRISTA is aware of the [Log4j security vulnerability](#) and began an investigation to understand the potential exposure. Based on information available as of December 21, 2021 we believe this vulnerability does not impact our Vision, ARC, or Unified Vision (including sofia) customers.

What is the Log4j?

healthcare Log4j is a Java library that was developed by the open-source Apache Software Foundation. It is used for logging error messages in applications, most notably the Apache web server.

What is the Vulnerability?

Essentially, hackers exploit a particular lookup pattern and during that exploit, they can insert code that allows them access to other services that are running on the

same server. Some of those services may allow them to install crypto-mining malware, take advantage of LDAP servers that may reveal usernames and passwords.

AiRISTA's use of Log4j?

The CVE in question (Common Vulnerability and Exposure) is CVE-2021-44228 and affects versions of Log4j 2 prior to version 2.14.1. AiRISTA does not use these versions in any production versions of its software.

THIS DISCLOSURE IS BASED ON INFORMATION PROVIDED BY LOG4J. AIRISTA IS RELYING ON THE TESTING AND DISCLOSURES MADE BY LOG4J AND HAS NOT INDEPENDENTLY TESTED THE LOG4J VERSION IN THE SYSTEM. CUSTOMER USES THE LOG4J PROVIDED BY AIRISTA AT ITS OWN RISK. AIRISTA DISCLAIMS ANY RESPONSIBILITY OR LIABILITY FOR CUSTOMER'S USE OF LOG4J.

AiRISTA Insights

Temperature Monitoring and Why Its Important to Your Business

To put healthcare waste in perspective, 18% of the US GDP is applied to healthcare. According to a [JAMA article](#) 30% the healthcare spending can be considered waste. This amount of [waste](#) (\$760 - \$935 billion) is more than the entire Defense Department budget.

One area of focus is the mismanagement of medications. As medications represent one of the fastest areas of price inflation, it becomes imperative to focus on practices that reduce waste. Proper temperature maintenance of refrigeration units is a simple way to help avoid the loss of an entire refrigerator's contents.

[Learn More](#)

Partner Spotlight - Texas Instruments

Year over year we find Texas Instrument's radio and chip designs ahead of the competition. As part of TI's ecosystem, we have access to powerful and open SDKs which provide flexible access to low level radio functionality. This allows for design creativity to help set AiRISTA solutions apart.

[Learn More](#)

AiRISTA is Hiring

We are experiencing growth as customers embrace our simplified approach to location based services. If you would like to be part of our team, we are looking for people with experience in Sales, Customer Service, Systems & Solutions Engineers, and Project Managers. Send us an email at HR@airista.com

Follow us on social to get the most recent news updates!



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