

Solution Sheet

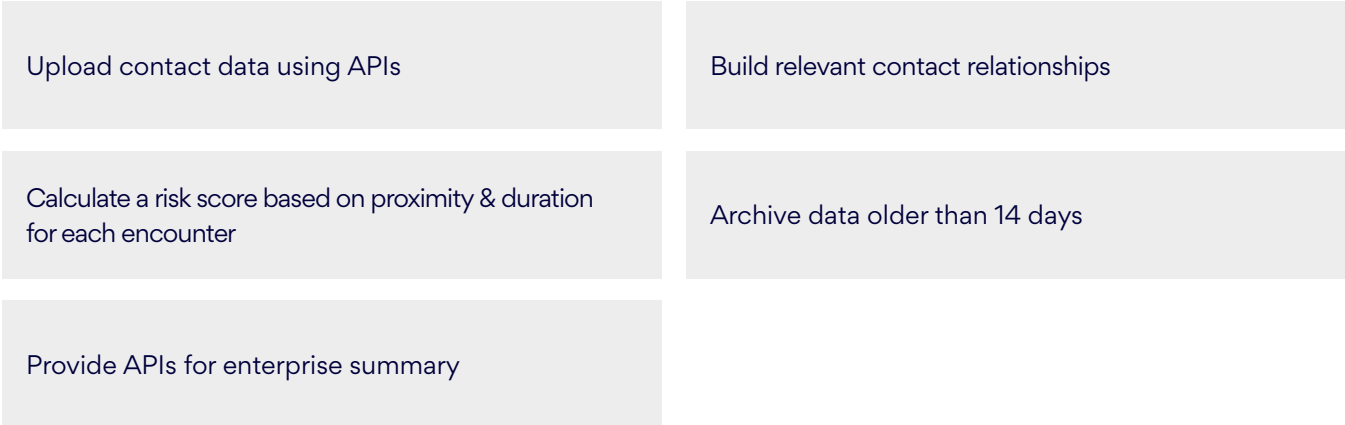
Contact Tracing

As we emerge from the shadow of the COVID-19 crisis and look to get back to office premises, employers need to have a system in place to help employees return safely to work and keep them safe by mitigating any risk of spread. Gaining visibility into employee health and potential exposure without invading their privacy will go a long way in ensuring that businesses reopen physical facilities smoothly while protecting their employees.

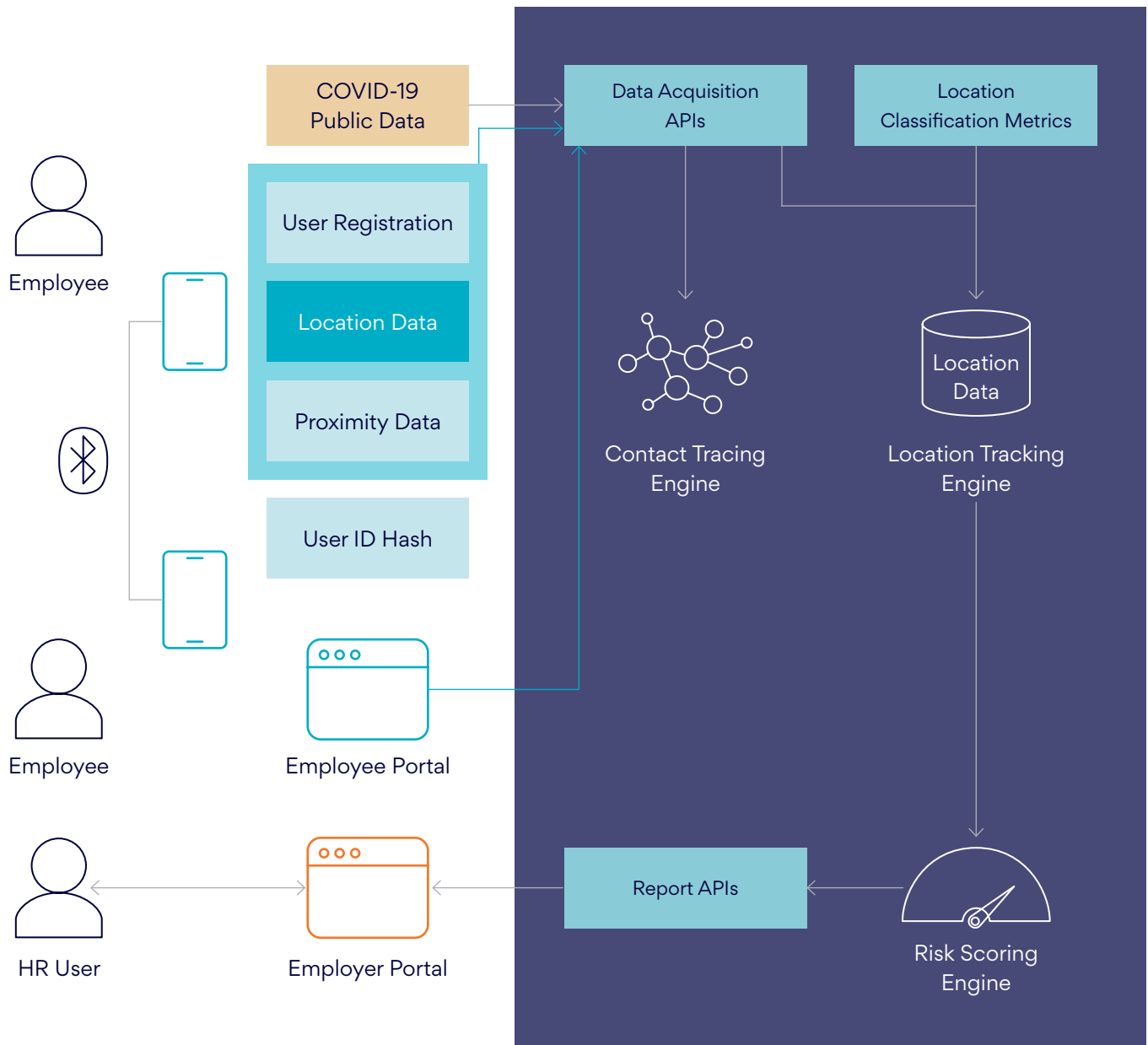
Persistent’s Contract Tracing Solution to Help You Get Back to Work

Persistent’s contact tracing solution helps you protect employee health and make your workplace free from fear. The solution, available as a mobile and web app, tracks employee interaction proximity using Bluetooth and WiFi-enabled devices. Using GraphDB, it identifies an employee’s network of interactions to calculate the risk of direct or indirect exposure. It investigates both backward and forward interaction paths of positive and quarantined cases to identify all potential exposures. The solution produces visual dashboards to highlight high-risk contacts, so that you can instantly notify employees who may be exposed and ensure their safety.

The solution is API-driven and integrates with your employee portal letting you seamlessly access health and safety insights across all employees. The solution requires employee consent and collects data only inside geofenced office locations, giving employees the confidence that both their health and privacy are protected. Employees are not live-tracked and the use of generated device ids, license keys, and user key rotation techniques ensures that personally identifiable information is never captured.



How It Works



Customer Story: Insights and analytics to help everyone get back-to-work safely

Challenges

- \ A health intelligence company wanted to make its workplaces safe for employees
- \ The COVID-19 pandemic demands workplaces be kept safe for employees and customers
- \ Identify close interactions, trace forward and backward paths and assess exposure risk
- \ Ensure that no PII data is captured
- \ Time to make it available

Solution

- \ Persistent built a contact tracing platform using GraphDB, API Gateway and Lambda
- \ Captured interaction proximity using a mobile app
- \ Used generated device-id, license key, user key rotation techniques to block capture of PII data
- \ Built risk engine to assess risk with proximity data
- \ Interaction network graph with 15-day archival to focus only on relevant cases

Outcomes

- \ **Zeo PII data captured** while getting everyone back to work safely
- \ **Global view** of location data, employee distribution, and interaction patterns
- \ **Dashboards** to spot exposed, **high-risk employees**
- \ Ability to **trace** back and forward **interaction paths** of positive and quarantined cases
- \ Integration with employee portal to **access insights seamlessly**

Make your workplace safe for employees today.

[Request Demo](#)

About Persistent

With 12,000+ employees around the world, Persistent Systems (BSE & NSE: PERSISTENT) is a global solutions leader delivering digital business acceleration, enterprise modernization, and next-generation product engineering across industries and geographies. Our next-level capabilities and solutions that support continuous innovation help enterprises boost efficiency, resiliency, and agility with a solid core IT modernization strategy.

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