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.

- Upload contact data using APIs
- Build relevant contact relationships
- Calculate a risk score based on proximity & duration for each encounter
- Archive data older than 14 days
- Provide APIs for enterprise summary
How It Works

- **COVID-19 Public Data**
- **Data Acquisition APIs**
  - **Location Classification Metrics**
- **Location Tracking Engine**
- **User Registration**
- **Location Data**
- **Proximity Data**
- **User ID Hash**
- **Contact Tracing Engine**
- **Location Data**
- **Report APIs**
  - **Risk Scoring Engine**
- **Employee Portal**
- **Employer Portal**

**Employee**

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

<table>
<thead>
<tr>
<th>Challenges</th>
<th>Solution</th>
<th>Outcomes</th>
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<tbody>
<tr>
<td>\ A health intelligence company wanted to make its workplaces safe for employees</td>
<td>\ Persistent built a contact tracing platform using GraphDB, API Gateway and Lambda</td>
<td>\ Zeo PII data captured while getting everyone back to work safely</td>
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<tr>
<td>\ The COVID-19 pandemic demands workplaces be kept safe for employees and customers</td>
<td>\ Captured interaction proximity using a mobile app</td>
<td>\ Global view of location data, employee distribution, and interaction patterns</td>
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<tr>
<td>\ Identify close interactions, trace forward and backward paths and assess exposure risk</td>
<td>\ Used generated device-id, license key, user key rotation techniques to block capture of PII data</td>
<td>\ Dashboards to spot exposed, high-risk employees</td>
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<tr>
<td>\ Ensure that no PII data is captured</td>
<td>\ Built risk engine to assess risk with proximity data</td>
<td>\ Ability to trace back and forward interaction paths of positive and quarantined cases</td>
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<tr>
<td>\ Time to make it available</td>
<td>\ Interaction network graph with 15-day archival to focus only on relevant cases</td>
<td>\ Integration with employee portal to access insights seamlessly</td>
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</tbody>
</table>

Make your workplace safe for employees today.

About Persistent

We are a trusted Digital Engineering and Enterprise Modernization partner, combining deep technical expertise and industry experience to help our clients anticipate what’s next. Our offerings and proven solutions create a unique competitive advantage for our clients by giving them the power to see beyond and rise above. We work with many industry-leading organizations world-wide including 14 of the 30 most innovative US companies, 80% of the largest banks in the US and India, and numerous innovators across the healthcare ecosystem. Our company fosters a values-driven and people-centric work environment. Our strength of over 22,500+ employees is spread over 18 different countries across the globe.