Uhana by VMWare

VMWare moves into the RAN

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VMware acquired Uhana in August 2019 as it helps its customers prepare for the 5G future. Uhana's technology was originally developed at Stanford University. Uhana's intelligent analytics will complement the service assurance capabilities from VMware Smart Assurance, as well as other network data collection products.

**Uhana**

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<tr>
<th>Founded</th>
<th>2016 in Palo Alto, CA</th>
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<tr>
<td>Acquired</td>
<td>VMware in August 2019 undisclosed sum</td>
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<tr>
<td>Product</td>
<td>Real time stream processing AI engine for mobile RAN</td>
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<tr>
<td>Employees</td>
<td>35 (30% in R&amp;D)</td>
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| Solving operational problems in specific domains | 4G to 5G upgrade cycle  
Subscriber experience  
Automation in 5G |

**ANALYSIS**

Uhana by VMWARE is a powerful AI engine driving real value for mobile network operators in detecting anomalies in the RAN. Its distinct value is real time intelligence using its stream processing engine and robust deep learning architecture. What Uhana is doing is state of the art for AI operations. It is solving some of most difficult business problems in the RAN as mobile operators make the shift from 4G to 5G. Uhana uses eNodeB trace data to measure signal strength and look at all the radio sessions in real time. The AI engine can then detect anomalies in the RAN and report on granular, real-time data to correlate subscriber-level impacts by radio cell. For operators looking at suppliers you have to ask yourself can my supplier solve problems faster, cheaper and more accurately using AI vs current tools and people? Uhana is worth a serious look in the management of the RAN.

Source: VMWare