Automated understanding

SLA penalties, regulatory fines, the inevitable social media frenzy; businesses know all too well the impact a major incident can have on bottom line and reputation. Unlocking the potential in your data to help make better operational decisions is essential to managing complex technology at scale and staying one step ahead.

Dexda's machine learning applications:

Prevent incidents – our predictive insights identify issues before they become a problem,providing you with valuable time to automate a response.

Identify more issues – augmenting manual exception based management with an automated approach that analyses the entire event stream ensures previously undetected anomalies are identified, escalated and any outages avoided.

Empowers operations – intelligent insights correlate events and any related alerts into asingle record for management and escalation. Intelligent correlation reduces the reliance on technical experts to triage issues allowing them to instead focus on high value tasks.

Dexda's suite of machine learning applications provide comprehensive real-time protection against incidents. Each ML application guards against a different issue type enabling a variety of business outcomes to be achieved. From identifying unusual signals in data that point to a change in 'usual' behaviour to identifying unusual event volumes that point to a change in activity for a given dimension,such as location.

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Machine learning features:

Tailored to your business – each of Dexda ML applications are informed by a data model that is trained on your event data, creating high quality, low noise insights that are unique to your business.

Path inference – using data classification, statistical and inference techniques, Dexda uncovers the complex relationships between events to automate the discovery of how things fail, as well as how likely and how quickly an issue will develop.

Signal tracking – tracking markers of expected behaviour provides an opportunity to identify the unexpected. Dexda provides seasonal analysis of signals, such as transactional data, in real time to identify unusual signal activity. Since signals are often reflective of business activity, our season models can be computed with additional dimensions such as weather and location to ensure accurate anomaly detection.

Volume analysis – real-time detection of seasonal and relative volume based anomalies. These statistical applications identify uncommon data that undergoes a sudden amplification. Seasonal models are computed against any feature of the normalised data set, such as location, device class etc.

Feature detection – uses temporal clustering and natural language analysis to identify events sharing common characteristics. Cluster analysis provides effective correlation of a widespread issue that generates many similar events in a short window of time.