

**POC Offering: DATA AUDITING and FRAUD DETECTION**

Purpose & Objectives:	<p>This POC will use a limited set of data to demonstrate our ability to:</p> <ul style="list-style-type: none"> <li>• Utilise automated tools to analyse and document the structure of the relevant dataset.</li> <li>• Apply a predefined set of data analysis business rules to the source data, to identify records of interest to: <ul style="list-style-type: none"> <li>○ support decision-making, or</li> <li>○ identify non-compliance with business policies, or</li> <li>○ assist with early fraud detection.</li> </ul> </li> </ul>
Compelling Issues:	<p>Corporate data is a valuable business asset that is not fully utilised due to the difficulty of easily analysing and extracting required information.</p> <p>A critical area that may not receive adequate attention is the analysis of data to determine if systems are enforcing organisational policies and whether there are loopholes being exploited (intentionally or otherwise). Taking this a step further, organisations often miss the opportunity for early identification of issues, including potential fraud by not analysing the results of business activities reflected in data.</p> <p>The Datalynx solution assists with the above by processing sophisticated business rules to analyse data and report anomalies or items of potential interest.</p>
Steps:	<ol style="list-style-type: none"> <li>a) Workshop with key stakeholders and SMEs to define objectives.</li> <li>b) Install Datalynx profiling tools on client's Server.</li> <li>c) Work with client SMEs to define data auditing rules to be evaluated (as appropriate)</li> <li>d) Configure Datalynx software to process specified auditing rules against sample data</li> <li>e) Execute the auditing process.</li> <li>f) Produce reports.</li> </ol>
Outputs:	<ol style="list-style-type: none"> <li>a) Data Auditing system report showing results</li> <li>b) Report highlighting issues for attention, the scope and a recommended approach for a full analysis and suggested next steps.</li> </ol>
Next Steps:	Definition of analysis rules for the complete dataset of interest.
Constraints:	<ol style="list-style-type: none"> <li>a) The POC will be undertaken over an elapsed period of three weeks.</li> <li>b) A subset of the dataset tables to be analysed and up to 1 million records will be used.</li> <li>c) A number of analysis criteria will be defined to demonstrate the practical operation of the process. Up to five days are included for rule specification.</li> </ol>
Client Commitment:	<p>An appropriate Microsoft Windows server must be available, with access to the relevant dataset, which will house the analysis tools. (Server minimum specifications will be provided).</p> <p>A Client SME (with an understanding of the dataset and the business use of the data) must be available for up to five days to work with the Datalynx analyst.</p>