

Monitoring Framework

Automated monitoring and control to enforce efficient processes and reliable management information

exMon

ERROR HANDLING

Errors within information systems can be automatically identified and manually corrected before end users become aware of its existence.

LESS MANUAL WORK

Existing processes can be operated through the exMon system minimizing manual work.

SIMPLE OVERVIEW

A process map provides a simplistic yet comprehensive overview on the status of each step within the process.

AUDIT LOG

A detailed audit log enables organisations to understand the root causes for data corruptions and benchmarking the cycle time of each step within a process.



ACCURATE AND RELIABLE INFORMATION

Today's organisations often require highly specialised and complicated information systems which store an ever increasing amount of data each day. These complicated technical environments often result in data integrity issues such as data corruption which results in inefficient business process and incorrect management information.

The exMon system from Expectus provides the ability to automatically monitor and control processes within and between information systems as well as enabling process automation with complete audit trail.

CONTINUOUS MONITORING

By automatic system monitoring, data corruption or suspicious transactions within information systems can be found and corrected by responsible parties before end-users become

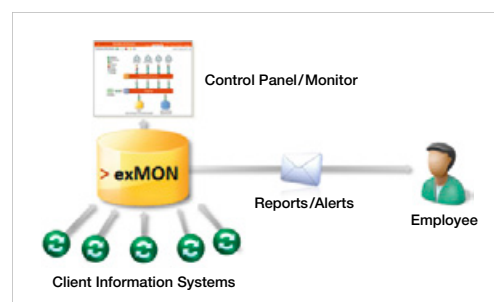
aware of its existence. Reports and/or alerts with integrity issues are provided to responsible parties as soon as they surface within the systems. By doing this, exMon enables responsible parties to correct the error immediately.

"exMon has been extremely valuable in our efforts to improve the quality of our information and streamline business processes within operations. Thanks to this we have been able to identify and fix revenue leakages, reduce cost, and provide trust in our management reports."

Valgeir M. Baldursson, CFO of Skeljungur (Shell Iceland)

ISSUE TRACKING

All operations and actions within the exMon system are recorded within a central repository and assigned to responsible parties. This ensures that issues identified will not be forgotten and provides an opportunity within the organisation to use root-cause analysis for errors within each process step and storing the cycle time of each step within the overall process, providing a benchmark for operation and creating prospects for future process improvement projects.



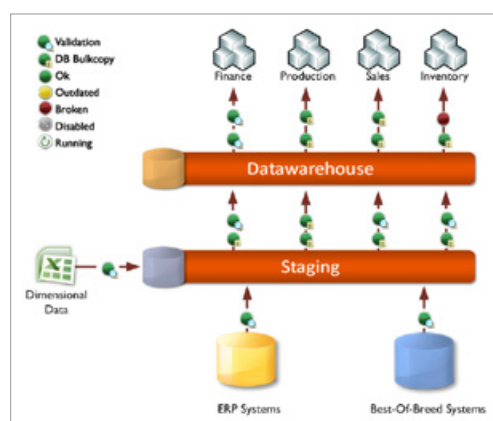
SYSTEM OVERVIEW

PROCESS MAPS

Process maps provide end users a comprehensive overview of each step within the overall process. The map displays the status of each data integrity checks and/or operation with coloured dots displayed in traffic light format depending on run status. This provides its users a holistic overview on the status of each process step within the system. Additionally, this process map enables end users to run by themselves individual operations or validations through a web portal instead of having to seek IT assistance.

“exMon has provided amazing results in improving the efficiency of our data warehouse processes within Actavis Group. Errors have decreased drastically and IT has now more initiative in solving problems before users become aware of their existence.”

Valdimar Bragason, Director MIS Actavis Group



PROCESS MAP FOR A MIS SYSTEM

Internal & Process Auditing

Automatic monitoring on data entry enables organisations to identify invalid data entries immediately or identify suspicious activities by applying a set of business rules on the underlying data within its information systems. Example would be all products with less than 20% profit margins, invoices with discount higher than 20% or all transactions higher than €1M.

Alignment of dimensional data

Frequently information on customers, employees, departments and products is distributed within multiple systems. By using exMon these dimensional information can be compared within multiple systems, identifying where there is a mismatch between systems. Example of matches would be to match name entries for individuals with the same social security number, address and nationality.

Business Process Automation

The exMon system has the ability to operate most 3rd party software modules, thus encapsulating the entire process from start to finish. By doing this the behaviour of each step within the process can be dependent on the outcome of a previous one. This would, as an example, enable BI report updates to be cancelled in instances where its underlying information would not fulfil a pre-set quality standard. The system also provides a complete audit log of success/failures and execution time on each step in the process. This would for example provide the users the ability to fix process steps which have a high failure rate or abnormal processing times.

PROCESS AUTOMATION

Existing business processes or external software modules can be operated automatically through the exMon system. An entire business process can therefore be operated from start to finish by encapsulating existing software modules within the overall process and resulting in minimization of manual work.

EXAMPLE OF USE FOR exMON

Management Information

By providing automatic validation checks on data from its original source to the MIS system it can be ensured that users are not provided with corrupted or incorrect information. Monitoring of data validation can be done within each step of the data transformation process thus stopping the information load if the quality is below accepted standard. Users therefore have access to the latest “accurate” information available.

expectus

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