



Exception Engine provides the packaged solution to bridge the gap between data processing automation and user intervention to correct erroneous data. Exception Engine allows organizations to introduce flexible, yet rigorous management procedures for the manual handling of any type of data.

	Due date	Salutation	LastName	FirstName	Address1	Address2	Town	County
<input type="checkbox"/>	✓	Mr	haddon	doris	33 Flint Way	NULL		
<input type="checkbox"/>	✓	Mr	HUNTER	CHERI	80 BEAUMONT AVENUE			
<input type="checkbox"/>	✓	Mr	JORDAN	DIANE	5 HIGH MEADS	WHEATHAMPSTEAD	ST. ALBANS	
<input type="checkbox"/>	✓	Dr	ANTILL	DAVID	11 RYDER SEED MEWS	PAGEANT ROAD		
<input type="checkbox"/>	✓	Mr	GIBBONS	KELVIN	6 LATTIMORE ROAD	WHEATHAMPSTEAD	ST. ALBANS	HERTFORDSHIRE
<input type="checkbox"/>	✓	Ms	Slingsby	Jenny	93 EVEREST WAY		H Hempstead	
<input type="checkbox"/>	✓	Mrs	Slingsby	Jennifer	93 EVEREST WAY		HEMEL HEMPSTEAD	
<input type="checkbox"/>	✓	Mrs	REYNOLDS	MICHAEL	26 The Park	Redbourn		
<input type="checkbox"/>	✓	Mr	ALEXANDER	ALISON	5 HAREFIELD PLACE		ST ALBANS	
<input type="checkbox"/>	✓	Mr	HODGSON	RICHARD	21 Belmont Road	NULL	Hemel Hempstead	

How Does Exception Engine Benefit Organisations?

Enhances user productivity providing guided correction of records. User help hints and data validations can be easily defined.

Allows any data source to be quickly imported through a wizard driven interface.

Provides secure and managed access to data. Only users with the relevant privileges can view or edit data through SSL encrypted screens.

Delivers an approval and escalation workflow, ensuring records are released on time by users with appropriate authority.

Tracks all user editing events, capturing a full audit trail of all operations. Comprehensive reporting enables organisations to meet regulatory compliance.

Complements any data processing automation tools (ETL, DI, EAI, BI) within any business intelligence or data integration framework.

What is Exception Engine?

Exception Engine™ is an application designed to enable organizations to easily manage the manual correction of exceptions generated within any information driven process.

Data driven screens allow users to efficiently apply the required corrections to the data, before releasing them into the automated flows. Most importantly, data is handled within a secure and controlled environment, providing full audit of all transactions.

The solution to Exception Data Management

Quite simply, Exception Engine™ provides organizations with an out-of-the-box solution to the problem of dealing with the exceptions occurring in any data driven process. Exception Engine™ is a web-based application which enables users to apply the necessary manual corrections to the exceptions in order for the data to then be successfully processed by the automated flow.

Exception Engine delivers a high level of flexibility by allowing any data set to be processed. At the same time, a high level of control and transparency of user activity is retained allowing all operations to be fully audited.

Input data for correction can be collected from a number of sources, including flat files or relational databases - an import screen allows administrators to define the data formats, as well as which elements of the data can be edited by which users.

The result is **AAA** exception data management:

- **Assisted Correction** - Helpful hints at record and field level allow users to understand the context within which they are working, enabling even inexperienced staff to quickly validate and correct exception records

- valid values drop-down boxes allow them to choose the appropriate content for specific fields, while a read-only view of the exception record ensures all available information is displayed to aid the correction.

- **Approved Correction** - A set of pre-defined validation rules imposed on individual fields or across fields within the record ensures that records can be released by data editors as "corrected" only when all validation rules have been positively met. Furthermore, all record edits are subjected to an approval workflow, ensuring that only fully validated records are reintroduced into the automated process. Edits performed by an Editor role require approval by an Auditor user in order to be released by the application.
- **Audited Correction** - Only users with the appropriate rights and roles are allowed to view or edit records. All user edits are audited, down to individual field level - record and field level audit trails can then be used for management and regulatory reporting, either through the application's built-in reports or through export/exposure of logs to external Business Intelligence tools.

Data Management Workflow

Data exceptions are presented to users within work queues and a data editing screen allows data editors with appropriate privileges to view and amend data elements, providing context sensitive hints and guidelines. Users with approval privileges are able to sign-off the corrected data.

Corrected records are then re-inserted into the automated process, be it within a data-warehouse loading cycle, a data cleansing batch process or any other line-of-business workflow.

Data Auditing

All user activity is logged and a full audit trail of changes to data is available to the relevant users and can easily be made available to any reporting and compliance framework in use within the organisation. The comprehensive auditing facilities enable the tracking of any events pertaining to the usage of the application and of any data items loaded into it.

Minimum Systems Requirements

Exception Engine Application:

Operating System: Microsoft Windows 2000
Microsoft Windows 2003
Application Server: Microsoft IIS
CPUs: 1CPU
Memory: 1GB

Exception Engine Repository:

Relational Database: SQL Server 2000
SQL Server 2005
Oracle 9i
Oracle 10g

Optional Data Integration tools:

Any of: Ab Initio Cooperative System
Business Objects Data Integrator
IBM Ascential DataStage
Informatica PowerCenter
Microsoft Integration Services
OpenText/Hummingbird Genio
Oracle Warehouse Builder
Oracle/Sunopsis Data Integrator
SAS ETL



exception software

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