



ViciForm

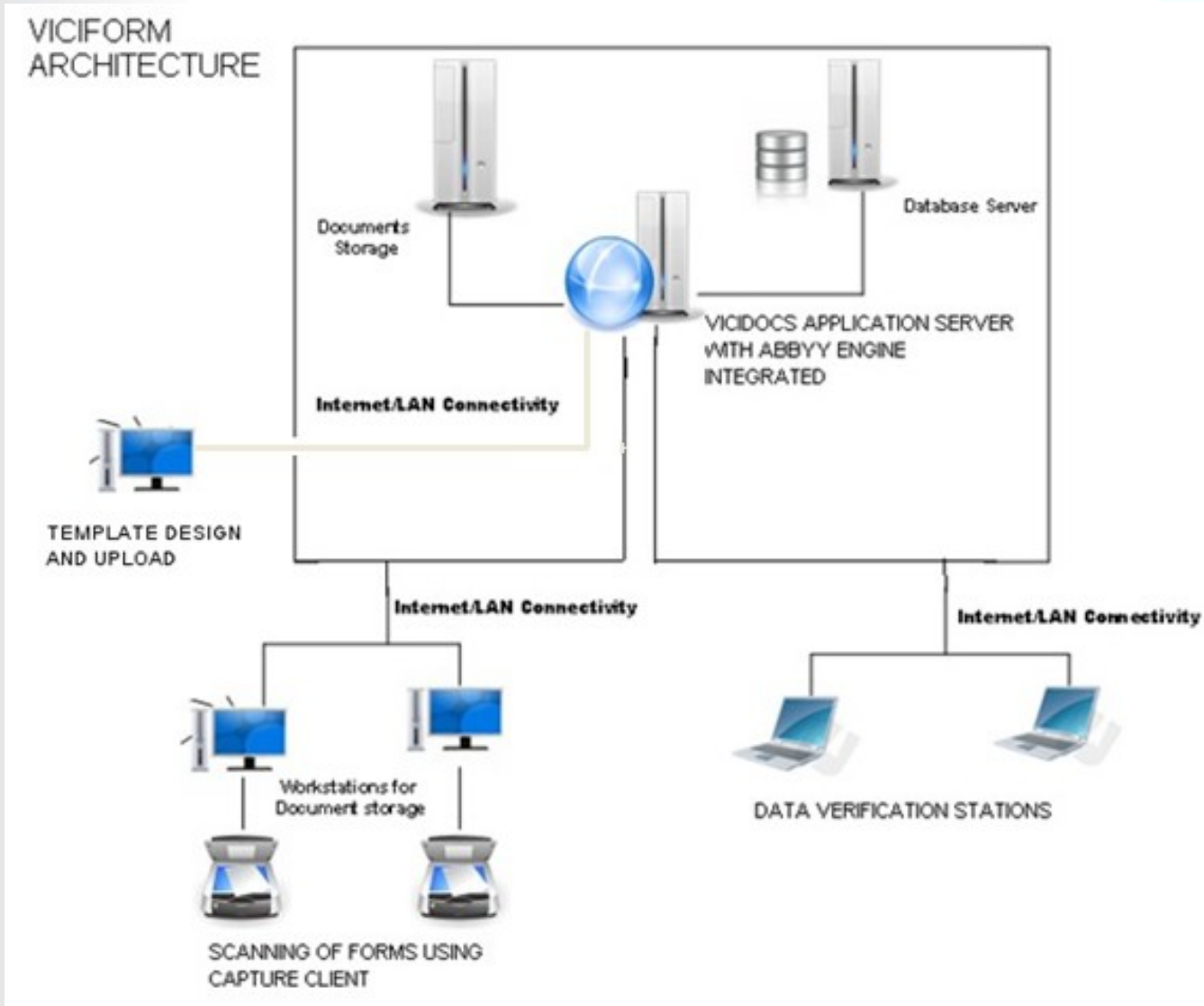
Form Processing Solution

Introduction



- ❖ The flow of incoming forms in various modes (Faxes, printer paper forms, handwritten forms) is pretty high in many transaction oriented organizations.
- ❖ Data needs to be extracted from these forms to be stored in a database for further processing.
- ❖ Typically appropriate applications (for example accounting software for data entering invoices etc.,) provide form based apps for doing the data entry into application.
- ❖ Automatic data extraction and routing the documents to the appropriate folders / repositories is the order of the day for better management.
- ❖ Hand written data extraction with OCR / OMR capabilities enhances the efficiency.

Architecture of ViciForm



ViciForm Architecture Highlights



SCALABILITY:

- ❖ True Distributed architecture.
- ❖ File Server based storage.
- ❖ Server side processing – Workflow Clients are browser based.
- ❖ Adheres to industry protocols like XML, ODBC.

SECURITY:

- ❖ Encrypted channels for data communication – HTTPS, HTTP, DCOM.
- ❖ Supports Active Directory along with application security.
- ❖ Access control granularity – more than 12 levels.
- ❖ Hashed folder structure, separate from logical structure.

ViciForm Features:



- ❖ Distributed capture wherein workstations on a network can be used to scan and index document simultaneously.
- ❖ Rich scanning features which include multipage creation, barcode enabled routing of documents to folders, etc..
- ❖ Easy to use key-from-imaging tool which enables more efficient validation of the recognized fields.
- ❖ Separation of the scanning and recognition processes which optimize the hardware resources, for e.g., scanning can be done on 5 workstations while OCR/ICR recognition is performed at one high end machine.
- ❖ GUI- based designer module for creating zones which are to be recognized – particularly useful for form processing.
- ❖ Uses best-of-breed ABBYY ICR / OCR recognition engines.

Benefits:



- ❖ Save data entry costs – automatic recognition by OCR/ICR/OMR barcode engines ensure lower manpower costs for data entry and validation.
- ❖ Lower licensing cost – since the product enables distributed capture licensing costs for OCR/ICR engine is much lower. For instance 5 workstations may be used for scanning and indexing but only one OCR/ICR license may be required.
- ❖ Export the recognized data in XML or any other standard format for integration with any application or database.

High ROI of ViciForm



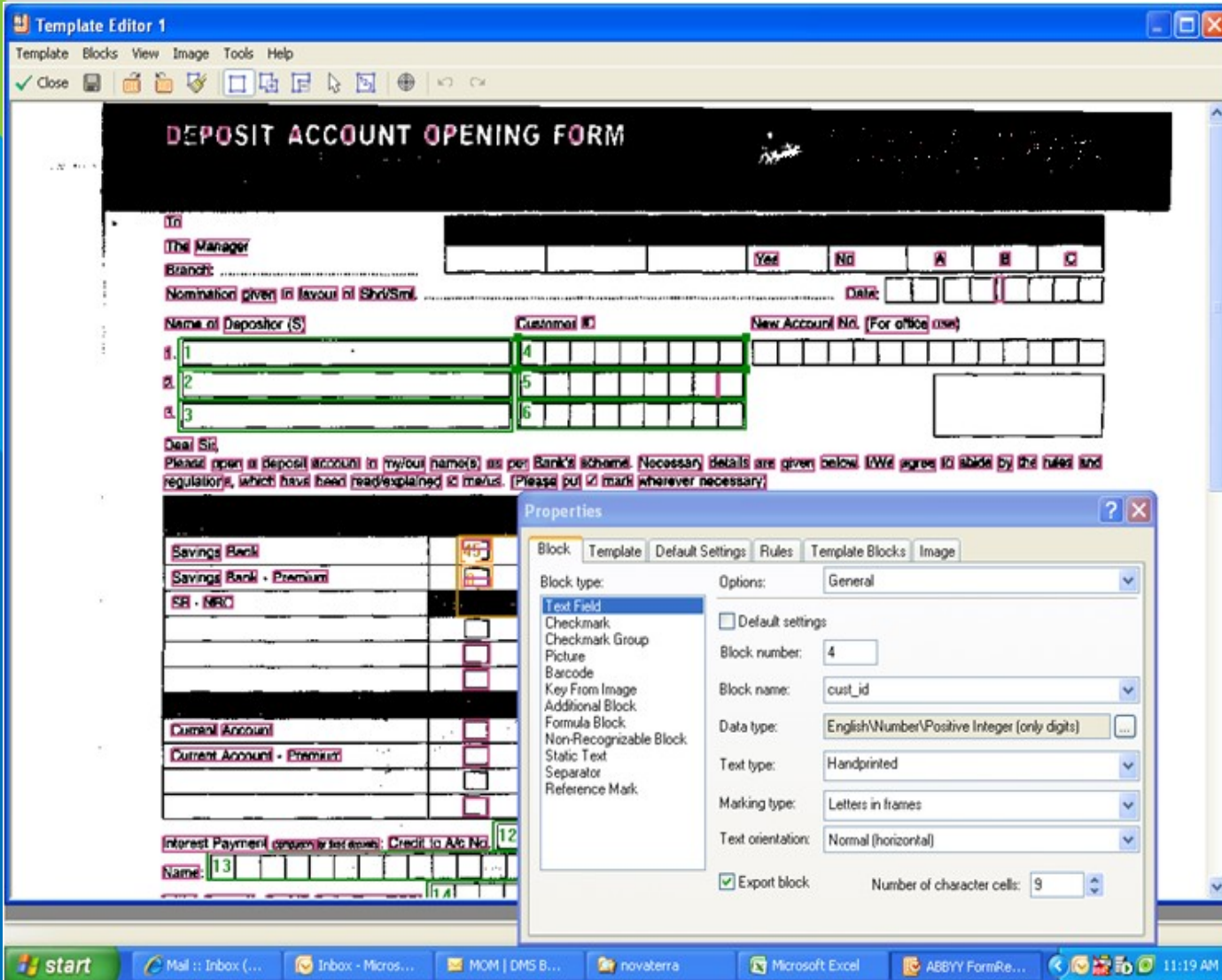
No of forms	300,000
Manual Data Entry (Without VICIFORM)	
Operator time per form minutes	3
Total time in mandays (10 hr/manday)	1,500
Avg Manpower cost per manday INR	250
Overhead costs per manday INR (space, power, hardware, visa costs etc.)	100
Total cost in INR	525,000
With VICIFORM	
Investment in ViciForm (indicative) INR	200,000
% saving in mandays	40%
Mandays required	900
Manpower cost per manday INR	250
Overhead costs per manday INR (space,power hardware etc)	100
Total cost in INR	315,000
Saving INR	210,000
Return on Investment	105%

Features of Data Extraction



- ❖ Individual and Batch processing of documents.
- ❖ Automatic matching of Templates from Multiple Resources.
- ❖ XML output type so that import into any database can be done easily.
- ❖ Mapping of the zones to sensible names for automatic import into databases.

Template Design Sample



Rich features for defining templates available.

- ❖ Automatic recognition of reference points like static text, line separators, etc..
- ❖ Type of data like numeric, capital letters can be specified.
- ❖ Dictionaries of cities, states, etc., can be used to improve accuracy.
- ❖ Multiple page templates can be defined.
- ❖ Photos, signatures can be cropped automatically.

Data Verification View



ViciDocs - Correct Data

File Help

2 Best Fit

CUSTOMER INFORMATION

To: [Redacted]

The Manager, J. B. NAGAR

Branch: [Redacted] Date (dd/mm/yyyy): 12 01 2009

I / We hereby apply for a relationship with your bank. The following personal information is submitted in connection with the same.

Name: Mr. SUNIL SHINDE

Initials: S Short name: [Redacted]

Gender: M F Marital status: M S NA If staff, ID/PF No: [Redacted]

Name of guardian (if minor): [Redacted]

Relationship: [Redacted] Date of birth (dd/mm/yyyy): [Redacted] Credit/debit card No.: [Redacted]

Bank: [Redacted]

Medical insurance details: [Redacted]

Annual income: (Rs.) 0 to 60,000 60,000 to 1.20 L 1.20 L to 2.40 L 2.40 L to 3.60 L Above 3.60 L

Form: [Redacted]
Forms Folder: [Redacted]
Template Name: [Redacted] Form Name: test1.TIF
Name: cust_sex
Value: male
Add Clear

Name	Value
cust_name	Mr SUNIL SHIND
cust_title_code	S
cust_short_name	
cust_sex	male
cust_marital_status	married
cust_emp_id	
date_of_birth	
asset1year	1998
asset2	

Save Skip

start Mail ... 2 M... Desktop Micro... ABBY... Micro... Capt... ViciDo... ViciDo... 11:30 AM

Features Include:

- ❖ Easy to use with Zone highlighted.
- ❖ Printed content, Handwritten Numeric and OMR Fields have very high accuracy (>90%).
- ❖ Handwritten field accuracy can be increased using frames, dictionaries.



THANK YOU

For any further information please contact:

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