

Image Storage Service

Technical Features:

- Utilizes Address Hash Mapping combined with Pack File technology to prevent performance degradation as file volume increases.
- Provides a stable and high-performance image storage environment.

Key Features:

- Allows the definition of different storage classes based on retention requirements, making it easy to remove or archive outdated data.
- Supports multiple image storage devices, with the ability to write images simultaneously to multiple storage targets during ingestion.
- Adopts a direct addressing mechanism with the following advantages:
 1. No index sorting issues
 2. Simplified differential backup operations
 3. Not limited by operating system file system performance
- AES 256 encryption ensures secure data transmission and storage.
- Supports storing both black-and-white and color versions of the same image page, improving flexibility and performance for various applications.

Scanning Program

Compatibility and Maintenance:

- Supports TWAIN and ISIS scanning interfaces, compatible with scanners from various manufacturers.
- Includes an automatic update mechanism—only the server needs to be updated, eliminating the need for installation on individual client machines.

Information Security:

- Images are encrypted (AES 256) at the moment of capture, meeting audit requirements and reducing security risks.

Functional Features:

- Supports multiple scanning pipelines, allowing different profiles to be defined based on document types to improve accuracy.
- Provides image processing functions, including border removal, paper detection, skew correction, noise reduction, and blank page filtering.
- Built-in 1D and 2D barcode recognition, which can be used as image index values.
- Supports document separation based on barcode, page count, separator sheets, and blank pages.
- Offers document processing capabilities such as image cropping, rotation, batch scanning, rescanning or page insertion, deletion, replacement, merging, and splitting.
- Supports both manual index entry and configurable validation rules.
- Supports scanning resolutions from 100 to 600 DPI in black-and-white or color formats. Default output format is TIF (CCITT Group 4), with optional JPEG output.
- Provides quality control tools, including drag-and-drop image handling, zoom, rotation, region zoom, and page navigation

Reporting Features:

- Batch Summary Report: Provides statistics on the number of cases, documents, and images.
- Batch Detail Report: Includes scanning counts, page numbers, processing time, and upload status.



External System Integration

- Provides RESTful APIs for integration with various programming languages.
- C# applications can directly reference DLLs for integration.

Image Commit Service (ezAcquire Commit)

Key Features:

- **Background auto-upload:** Automatically uploads images after quality control is completed, eliminating the need for manual waiting.
- **Resumable upload:** Supports breakpoint resume to avoid redundant data transmission.
- **Automatic load balancing:** Distributes workloads across multiple Commit servers.
- **System integration:**
 1. Allows completion of missing index values before upload
 2. Enables synchronization with other systems after processing is completed

Image Query Function

User Interface:

- Provides a web-based query interface for retrieving images using index values (such as policy numbers).

Customizable Query Screen:

- Allows users to automatically generate query screens by configuring query condition combinations, result list fields, and detailed document data through a few simple steps.

Access Control:

- Implements role-based access control for query and print permissions, with granularity down to the page level.
- All retrieval, modification, and deletion actions are recorded in the audit log.

Viewer Features:

- Image printing: Supports page selection, watermarking, and operation tracking.
- Common viewing tools: drag-and-drop, zoom, rotation, region zoom, and page navigation.

System Management Functions

Form Configuration:

- Supports adding and modifying forms (name and code).
- Allows configuration of paper size, orientation, page count, and storage sequence.

Group and Permission Management:

- Enables configuration of query and print permissions for different form groups, with granularity down to the page level.
- User permissions are managed through groups and roles.

Index and Validation Configuration:

- Allows definition of index fields and validation rules, with built-in verification mechanisms.

Information Security and Auditing

- Comprehensive audit log: Records all system activities, including login, queries, and configuration changes.
- JWT-based authentication, with support for SSO integration.
- End-to-end AES 256 encryption: Images are encrypted upon upload and stored in encrypted form.
- Complete usage records are maintained to comply with personal data protection regulations regarding document access and usage.

