CHALLENGE
Extracting data from documents and unstructured content dark data, using traditional solutions like Optical Character Recognition (OCR) and data capture, requires time consuming setup and integration by experts. As a result, very few enterprises have been able to automate dark-data-centric processes due to high setup/operational costs.

SOLUTION
IQ Bot™ is taking a very different approach—democratizing dark data processing. IQ Bot is the only AI-based solution that can be easily set up and used by business users to automatically read and process a variety of complex documents and emails, faster. By learning from human behavior, IQ Bot becomes faster and more accurate while reducing setup and operational costs.

IQ Bot brings structure to unstructured data by using Artificial Intelligence (AI) and machine learning (ML) to extract and digitize the information.

Machine learning and AI applied to everyday processes

RECOGNIZE
COMPUTER VISION
Identifies and categorizes unstructured content allowing the bot to intelligently extract decision-making data

UNDERSTAND
NATURAL LANGUAGE PROCESSING
Comprehends the meaning and intent of content to improve decision making

ENRICH
FUZZY LOGIC
Conducts phonetic algorithm and fuzzy string matching against enterprise applications to validate and enrich extracted data

IMPROVE
MACHINE LEARNING
Learns by observing human behavior and develops domain expertise increasing accuracy and reducing exceptions

BENEFITS

10X FASTER SETUP
• Unsupervised classification automatically groups similar documents and auto-creates templates to cut down setup time by 90%

BUSINESS-USER FRIENDLY
• Users can leverage AI and ML to achieve ROI in days, not months

INCREASED DATA ACCURACY
• Ensure accurate data extraction for low resolution and handwritten documents with computer vision techniques and fuzzy logic

CONTINUOUS STP IMPROVEMENT
• Human-in-the-loop feedback continuously improves STP* and drives down validation costs

END-TO-END PROCESS AUTOMATION
• Seamless integration with Automation Anywhere Enterprise RPA platform results in complete automation of complex workflows

EMPOWERS MOBILE WORKFORCE
• Upload and process documents via Automation Anywhere Mobile app for enhanced productivity

* Straight Through Processing: End-to-end automation without human involvement.
### KEY FEATURES

#### ENTERPRISE-READY
- Pre-configured, out-of-box use cases with additional ones available via Bot Store™
- Ability to support extraction of complex, fixed format documents used across the industry [e.g., UB-04 and Acord-25]
- Role-based access control

#### INTELLIGENT CLASSIFICATION
- Leverage ML to automatically classify and group similar documents
- Identify and separate pages of interest from multi-page documents
- Process complex tables, including multi-lines, dual tables, and more

#### SMARTER DATA EXTRACTION
- Process low quality documents using advanced computer vision
- Extract handwritten text (English only) and critical information from ID documents
- Improve STP via human feedback

#### WEB-BASED DESIGNER AND VALIDATOR
- Train and manage IQ Bot using a web interface—no client-based software required
- Split screen to validate extracted versus original data
- Enhance data extraction with the ability to add custom user logic

#### SEAMLESS INTEGRATION
- Leverage Single Sign-On (SSO) integration with Enterprise RPA Control Room for optimized user management
- Take advantage of integrated Bot Insight™ analytics tool
- Choose from the best-in-class OCR integrations

#### AI/ML TECHNOLOGIES
- Including Computer Vision, Deep learning, Recurrent Neural Network, Convolutional Neural Networks, Fuzzy Logic, Geometric Hashing, Semantic Analysis and more

#### DOCUMENT INPUT FORMATS
- PDF (vector, raster, or hybrid), TIF/TIFF, PNG, JPG/JPEG

#### OPTICAL CHARACTER RECOGNITION ENGINES
- Tesseract 4, FineReader Engine 12.2, Microsoft Azure OCR

#### DOCUMENT EXPORT FORMATS
- CSV
- Additional formats via RPA TaskBot (JSON, Excel, Word, text, and more)

#### DOCUMENT PROCESSING CAPACITY
- Up to 10K pages/day*
- Up to 50K pages/day (clustered)
  *Depends on server configuration and document complexity

#### BROWSER SUPPORT
- Chrome Version 69+, Internet Explorer 11

---

**SYSTEM REQUIREMENTS**
- 8-core (virtual or physical)
- 32 GB RAM
- 500 GB storage
- On-prem, private, public cloud, hybrid cloud

**SERVER OPERATING SYSTEM**
- Windows Server 2008 R2 Standard
- Windows Server 2012 (Standard or Datacenter)
- Windows Server 2016 (Standard or Datacenter)

**DATA MANAGEMENT SYSTEM**
- Microsoft Azure (RTM) 12.0.2000.8
- Oracle

**DATA EXTRACTION TECHNOLOGIES**
- Document classification (ML-based)
- Text Auto Correction (ML-based)
- Intelligent character recognition (ML-based)
- Human-assisted output validation (ML-based)
- Check box and radio buttons (ML-based)

**AI/ML TECHNOLOGIES**
- Including Computer Vision, Deep learning, Recurrent Neural Network, Convolutional Neural Networks, Fuzzy Logic, Geometric Hashing, Semantic Analysis and more

**DOCUMENT INPUT FORMATS**
- PDF (vector, raster, or hybrid), TIF/TIFF, PNG, JPG/JPEG

**OPTICAL CHARACTER RECOGNITION ENGINES**
- Tesseract 4, FineReader Engine 12.2, Microsoft Azure OCR

**DOCUMENT EXPORT FORMATS**
- CSV
- Additional formats via RPA TaskBot (JSON, Excel, Word, text, and more)

**DOCUMENT PROCESSING CAPACITY**
- Up to 10K pages/day*
- Up to 50K pages/day (clustered)
  *Depends on server configuration and document complexity

**BROWSER SUPPORT**
- Chrome Version 69+, Internet Explorer 11