



DEXFLOW

Welcome
to the
Cloud



WHAT IS CLOUD?



DEXFLOW was one of the first cloud ICM & BPM on the market, deploying the first “cloud-enabled” version in 2007.

Since then, the solution had evolved and improved, adding many new exciting features but one quality remained the same – the ability to deliver and dedication to the overall success of **DEXFLOW** customers.

DEXFLOW platform allows deploying public, private, and On-Premises cloud solutions for multiple tenants within a single organization, a vast corporate environment or many independent organizations.

We at DEXIK, recognize the need of keeping the information close and secure, that is why for our corporate customers we recommend have the option of “on-premise cloud”, deployed on-site and controlled by customer’s IT personnel.

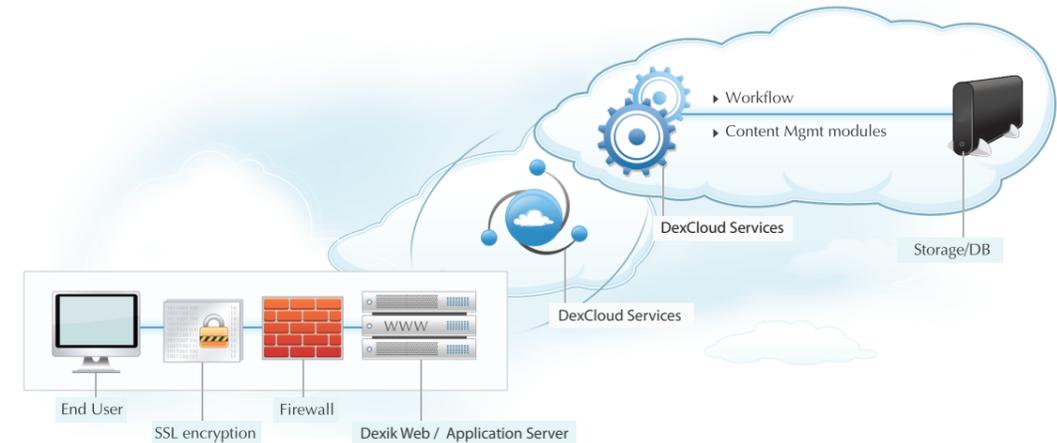
DEXIK customers can enjoy the all the advantages of “cloud”-based processing without compromising security or government regulations.



WHY DEXFLOW IS A BETTER SOLUTION?



DEXFLOW is a cloud solution by architecture, both Intelligent Content Management and Workflow Automation features are “cloud-enabled”. **DEXFLOW** application server consists of the multiple “DEXCLOUD” services that can be distributed over single or multiple physical or virtual machines, residing in different networks. The system is working in load-balancing mode, when the user request is executed on the module that has fewer jobs in queue. For special processing it is also possible to address the request to a specific module/service, allowing better process optimization. With **DEXFLOW** you can build your own distributed BPM, being on the edge of technology!



Why **DEXFLOW** is a better solution?

DEXFLOW allows utilizing multiple document capture channels simultaneously: paper and electronic documents, e-mails, faxes, electronic forms, audio and video streams. **DEXFLOW** Content Management system allows storing different content types within a single logical document: page #1 could be an image, page #2 – a Microsoft Word document, page #3 – an audio/video recording and page #5 – the electronic form generated from Adobe PDF/FDF.

In addition, **DEXFLOW** CM is the only system that natively support multiple image formats: TIFF, JPEG, PNG, DjVu in addition to most popular electronic document formats, like MS Office documents, Open Office documents, PDF, PDF/A, Audio & Video content and many more. Using DjVu format as primary storage format, allows greatly reducing storage size and lower investment on the storage system. **DEXFLOW** storages can be encrypted to provide additional layer of security for sensitive content.

DEXFLOW flexibility takes the pressure off the IT and Electronic Document Services departments, allowing different types of organizations to comply with the modern document management standards, regulate content flow throughout the organization and turn unstructured electronic content to structured and well-controlled entity.

Companies that are looking for leading position in different industries around the world are looking at Intelligent Content Management (ICM) as the way to go in improving their information management infrastructure. It seems like that the competition on the ECM/ICM market should make it easier to find the solution that will fit your enterprise needs. A lot of customers already know that's not always the case.

Unlike some vendors in the industry, DEXIK is committed to provide modern, expandable and affordable solutions. Our focus is allowing our customers to become “vendor independent” building the solutions utilizing internal resources with ease and comfort.

DEXIK has been utilizing newest Microsoft technologies and industry guidelines to build solutions that will influence the industry. We already see bigger vendors utilizing similar concepts to improve existing solutions. Using technologies like Microsoft SharePoint, WPF, .NET, LINQ, HTML5, Xamarin and others makes our solution easy to deploy, administer and utilize.

When often asked what would be **DEXFLOW** main features that we proud of we answer: “Flexibility, Expandability and Affordability” and most of our customers would agree. Starting from extreme performance, rapid application Development Environment, centralized control and deployment functions to advanced security, system expandability, accessibility and better usability for different business units.

When selecting the ICM / BPM system it is important to consider that there are two main groups to be satisfied: Electronic Document Services / IT and business users.

What are the main features that these two groups are looking for in ECM?

- For business users, we would say it is: Flexibility, Usability, Accessibility and Expandability
- For IT / Electronic Document Services it is Compatibility, Security and Manageability

USABILITY AND ACCESSABILITY



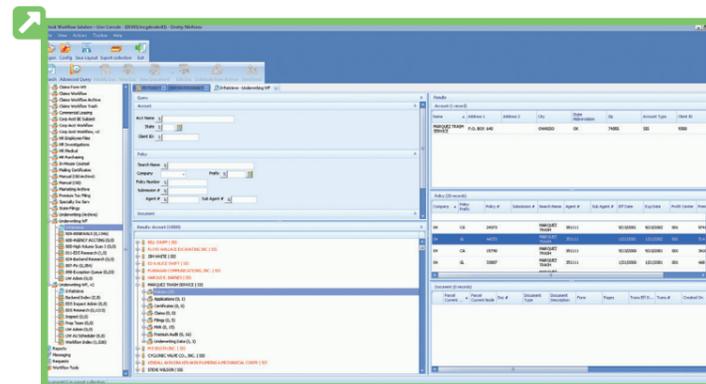
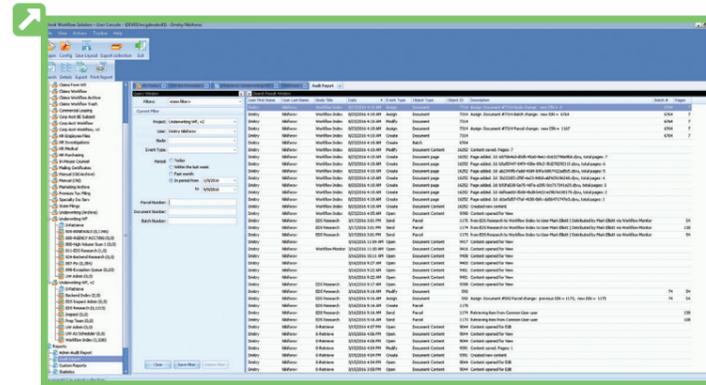
Everyone would agree that usability adjustments are very important, meaning user interfaces should be adjustable to closely match the business process that is familiar to the user. DEXIK took this concept further with the following improvements:

- ➔ **DEXFLOW** Retrieval and Work Queues allow users to choose between several customizable UI styles.
- ➔ **DEXFLOW** forms and “actions” are customizable per Workflow Node and User with a simple point-and-click configuration UI.
- ➔ **DEXFLOW** features both Windows smart-client and web-client with built-in usability improvements, like multiple column sorting, layout adjustments on the user-side, data grouping and filtering capabilities.
- ➔ **Dexik** will provide customized solutions for iOS and Android per customer specification to allow the processes to “go mobile”.

Accessibility is very important as organizations are committing to fair employment rules and improve application experience for users with special needs.

DEXFLOW gives user full and customizable keyboard controls, even with the web-client. In addition, users are able to adjust their color schema for greater visual experience.

It is possible to manage fonts sizes and implementing high-contrast color schemes. This commitment to the comfort of our users is another reason that makes us proud.



DEXFLOW API



The standards drive the industry but still a lot of businesses would like to have the flexibility to combine industry standards with customized business processes.

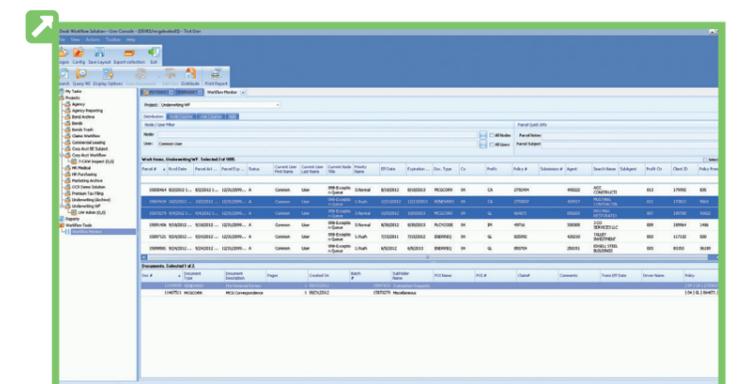
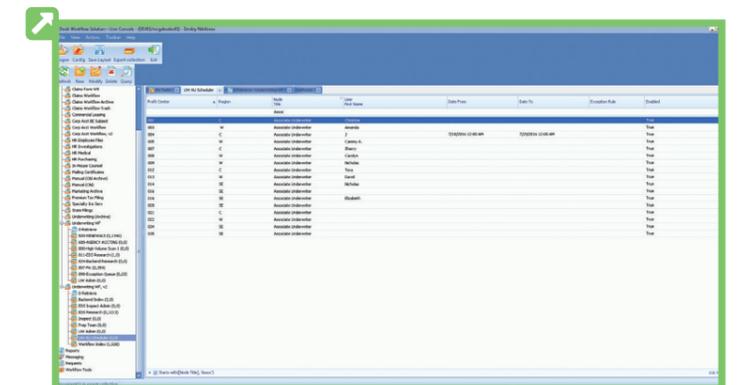
To keep users working the most convenient way it is often necessary to implement various “custom” processes both on the user-side and the server side.

The most obvious examples are: automatic form generation, electronic document stamping, electronic document signatures and automatic routing.

- ➔ **DEXFLOW** allows administrators and workflow designers to create and customize “actions” on the user-side for Windows-client and with some limitations for the web-client through the **DEXFLOW** Client API and Client extensions.
- ➔ The script implementation on the base of C# or VB .NET allows developers to call both **DEXFLOW** API, access external API, COM objects and other programmable interfaces.

Similar feature allows workflow designers to create and modify processing scripts for improved server-side automation, like Routing, OCR, ICR, Bar-code, Retention, etc.

DEXIK provides the customers with real-life implementation samples allowing our customers to fully utilize the development resources of their choice. DEXIK Partner organizations utilize flexible pricing model and **DEXFLOW** expandability to build their own SaaS offerings with ease, serving their customer base and expanding the business at low cost.



COMPLIANT, COMPATIBLE, AND SECURE



System compatibility is a serious concern for the IT department. Supporting Operating System and widely used 3rd party software is a serious task on its own, but managing different versions for compatibility reasons makes it so much worse.

Latest **DEXFLOW** is fully compatible with all Microsoft operating systems starting from Windows 7 to Windows 10 on the client side and from Windows Server 2012 to Windows Server 2019. For our customers, we can offer personalized support for other Windows OS even when Microsoft declares "end of life".

DEXFLOW natively supports both x86 (32-bit) and x64 (64-bit) systems, allowing IT to fully utilize advantages that x64 OS provides: more RAM to address and faster processing.

DEXFLOW was built to provide system and workflow administrators with the set of tools for easier data and workflow management, user and security management, remote configuration tools and system monitoring tools. These applications allow system and workflow administrators easily manage the system both locally and remotely. Monitoring tools also capture vital system statistics, help identifying bottlenecks and provide early notifications for any errors.

Module ID	Address	Name	Type	Version	Enabled	Threads	State	Processed	Failed	Avg. ms
LOANMANAGEMENTPL...	<local>	DexFlow Engine	DexFlow Engine	3.1.30.0	Yes		Ready	22195646	2	16
LOANMANAGEMENTPL...	<local>	Security Engine	Security Engine	3.1.30.0	Yes		Ready	178		130
LOANMANAGEMENTPL...	<local>	Content Manager	Content Manager	3.1.30.0	Yes		Ready	42396		125
LOANMANAGEMENTPL...	<local>	Context Provider	Context Provider	3.1.30.0	Yes		Ready	122		104
LOANMANAGEMENTPL...	<local>	Automatic Processor	Automatic Processor	3.1.30.0	Yes		Ready	15554		321
LOANMANAGEMENTPL...	<local>	Automatic File Processor	Automatic File Processor	3.1.30.0	Yes		Ready	1923		188
LOANMANAGEMENTPL...	<local>	Automatic Schedule Proc...	Automatic Schedule Pro...	3.1.30.0	Yes		Ready			
LOANMANAGEMENTPL...	<local>	Conversion Engine	Conversion Engine	3.1.30.0	Yes		Ready			
LOANMANAGEMENTPL...	<local>	Event Processor	Event Processor	3.1.30.0	Yes		Ready	5876		367
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LOANMANAGEMENTPL...	<local>	Form Generator	Form Generator	3.1.30.0	Yes		Ready			
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LOANMANAGEMENTPL...	<local>	Credential Manager	Credential Manager	4.0.30.8	Yes		Ready	49111		14



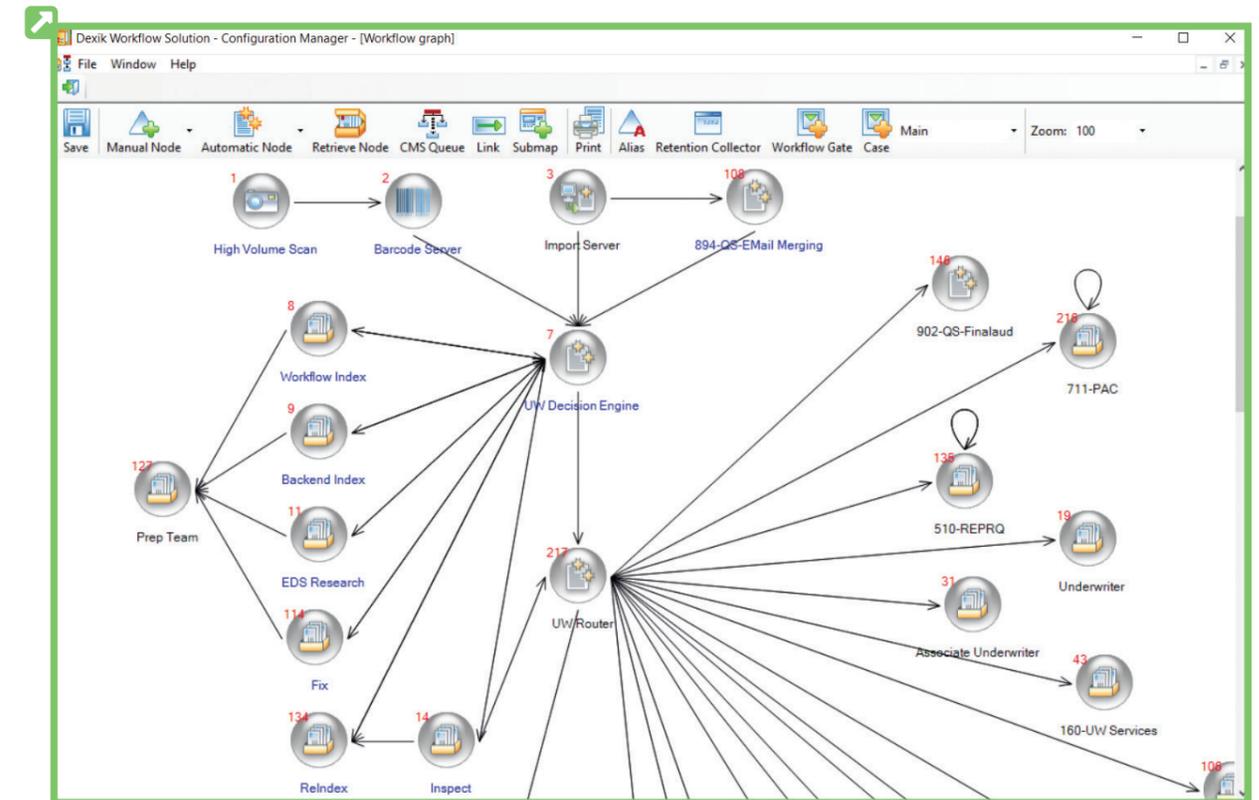
EXPANDABILITY



DEXFLOW is the most secure ECM available on the market. **DEXFLOW** can be implemented in 4-layer and 5-layer architecture with each layer providing additional security controls. The first security layer is the webserver or the WinForms application itself, utilizing HTTPS for data exchange with the workstation. The web-server / application connects to DexCloud service, the security and load balancing gateway, which distributes security keys per connection. All the data transmitted from and to the client is hashed with individual key preserving "session security". The next security level is DexCloud "module" application services, configured to physically access the database and/or image repository. Tier can be separated by different firewalls, depending on the security needs.

DexCloud connection ports can be configured to match whatever ports are setup on the firewall. Additionally, administrator can create a "restriction list" for the DexCloud service, disallowing connections from certain subnets or IP addresses. The user application has no information regarding location (IP or Server name) of database, image repository or even execution node where the user request is being processed.

This architecture makes system completely secure and it has been confirmed through "ethical hacking" that data cannot be accessed in any other way than through the application itself.



FUNCTIONAL OVERVIEW



DEXFLOW is a truly remarkable ECM and BPM system developed on top of latest Microsoft, Google and Apple technologies to improve expandability and simplify solution administration. **DEXFLOW** is a new-generation ECM / BPM with full set of features, advanced expandability and unmatched flexibility. **DEXFLOW** provides workflow developers with full set of intuitive API to control content, expand collaboration capabilities and implement specialized business processes based on business unit requirements, allowing to fully utilize centralized control and administration.

Workflow / Business Process Automation

- Workflow Builder: Create workflows using simple point-and-click visual configuration tool allowing you easily flowcharting your business processes.
- Built-in Scripts and Events: Use built-in processing scripts and events to build workflows effectively. Customers can rely on external or internal resources to build additional processes, driven by: workflow event, filesystem event or schedule.
- Expandable Processes: Creating your own or alter existing VB.NET and C# scripts using a built-in editor allows automating specific business-driven tasks.
- Utilize PowerShell scripts for various external tasks, using the same **DEXFLOW** API.
- Workflow Foundation and Client Extensions: Integrate other applications into **DEXFLOW** workflows using **DEXFLOW** API, **DEXFLOW** Client Extensions, Windows Workflow Foundation and unleash full potential of the Microsoft .NET framework.
- Wizard mode: Configure UI in Wizard mode, allowing users to better learn as they work.
- Form OCR and Flex-OCR (ICR): Maximize Document Classification capabilities with OCR, the simple to use fixed or free form data recognition component.
- Retention: Allows building multiple policies for Document and Record retention with an option of utilizing Retention Review Queue – simple way to review document collections before physical deletion.
- Multi-Content Viewer: Document Viewer allows combining different content types into a single logical document: images, Microsoft Office files, Adobe PDF, Audio and Video recordings.
- Cross-Platform availability: **DEXFLOW** client components available on Windows, iOS, Android.

Integration

- Code Samples: Get ahead in custom integrations from working with samples, provided by DEXIK out-of-the-box. You can also expand existing actions and scripts.
- Expandable User Interfaces: Customize your UIs either through the Client Extensions or Workflow Form management.
- .NET Client API: Create custom UIs and integrations with .NET assemblies that are natively compatible with x86 and x64 OS.

Windows/Office Integration

- Microsoft Office / Office 365: Import documents directly to the repository from MS Office applications.
- Everything Counts: Utilize DEXIK Virtual Printer to “print” documents from any application directly into workflow queue.
- Document Generation: Build your own forms with Microsoft Word, Excel, InfoPath or Adobe PDF and generate documents using data entered on the forms or stored in the database.
- E-mail Capture: Capture e-mail from IMAP / POP3, process attachments, unzip the archives, remove stationary image and extract message properties as metadata.
- Task Documents: Use any specific file association to assign default 3rd party Viewer for document in workflow or archive.
- **DEXFLOW** has extended support for various the Microsoft Office alternatives. Our preferred partner is ONLYOFFICE (www.onlyoffice.com), providing organizations with various document management and work collaboration options.

FUNCTIONAL OVERVIEW



SharePoint Integration

- DEXIK Content Management for SharePoint: Use Microsoft SharePoint to archive your documents and enable simultaneous document access from Workflow applications and SharePoint site.
- DEXIK Import Server: Import documents directly from SharePoint location to the workflow, allowing users to capture documents via SharePoint site.
- DEXIK Services for SharePoint: Expand your SharePoint capabilities with imaging, classification, document conversion, routing and other features of **DEXFLOW**.

System Administration

- Single Management Application: Manage your data structures, workflows, repositories and security within a single configuration tool, Configuration Manager.
- Windows Event Log: Monitor system health with an errors and warnings reported to Windows Event “DexCloud” Log.
- Advanced Tracing: Troubleshoot your solution with Advanced .NET Tracing.
- Administrative Tasks: Automate administrative tasks with Windows PowerShell and .NET interface.

Audit and Security

- Single Sign-On: Authenticate with a Windows domain account in Active Directory.
- Security Inheritance: Configure access through workflow groups, and allow users to inherit security settings from the groups they belong to.
- ACL (Access Control List) Security: Secure database records, documents and even individual annotations through access control lists, security tags and privileges.
- Role-Based Authorization: Use granular permissions to grant solution access based on a user’s role.
- Secure Deletions: **DEXFLOW** enables secure deletions with DoD 5022.22M compatible deletion protocols.
- Recycle Bin: Documents can be either placed in Recycle Bin or Trash Workflow on deletion. Administrators can control the user permissions to permanently purge deleted items.
- SSL: Supports for SSL for secure client-server communications.
- Configurable Audit: Configurable and expandable audit capabilities. It is possible to monitor up to single field modification.
- Audit Reports: Generate audit reports as Microsoft Excel files.
- Reporting Subsystem: Utilize DEXIK Reporting framework to build business-specific reports integrated in your workflow.
- Built-in “Source Control”: Built-in source control for scriptable components.



For more detailed information
on **Dexik Workflow Solution**,
please contact us!



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