



Accelerate the development of robust file-processing engines

Access a toolkit that makes it easy to implement complex logic for processing large and complicated data files.



| The hard work is done for you

DX IO provides developers with a software development kit (SDK) to easily incorporate file import and processing functionalities into your applications. With our pre-built components, developers can speed up the implementation of complex logic.

Your applications will be capable of loading data from spreadsheets that can be checked against complex business rules. The administrator can configure the file processing engine and your users can upload files, monitor processing and fix any issues early on.

What problems does it solve?

Businesses with mission-critical applications must import data regularly for multiple reasons, including data migration from legacy systems, bootstrap data and offline data synchronisation. When the amount of data is large and complex business rules are at play, it can take considerable time to build file-processing engines. This approach can result in:

- » **File importation problems**
- » **Slow file processing**
- » **System failures**
- » **Inability to scale**

DX IO overcomes these challenges by delivering best-practice logic as the backbone of a robust file-processing engine that can be monitored to identify and resolve issues. It can be configured and scaled to cope with large file sizes and complex business rules.

| What are the benefits of using DX IO?

- » **Shortens delivery time for file processing solutions:** Prebuilt components that speed up the delivery of robust file processing engines.
- » **Scalable by design:** Regardless of size, files are processed by a scalable engine that can break them down into smaller jobs. These jobs are processed asynchronously in a multi-threaded approach that boosts performance.
- » **Customisable by design:** Allows developers to implement custom logic to process files according to specific business rules.
- » **Secure by design:** Best-practice code templates ensure the security of the file processing engine.
- » **End-user feedback:** Provides accurate feedback, speeding up the process of fixing data issues.

| How does DX IO work?

Step 1: Implementation

Your developer implements DX IO's software development kit (SDK) into the application they are building.

Step 2: Configuration

The administrator configures different options in the file-processing engine, including the:

- » Number of threads to run in parallel.
- » Distribution of jobs to meet time schedules.
- » Definition of permissions per job type.

Step 3: Start uploading your files

End-user can upload files according to a template provided by the engine, monitor the status of file processing and act on data fixes as the engine recommends.

Main features



File upload widget

With an intuitive and prebuilt block, developers can easily add a file upload popup to their applications, allowing end-users to upload files and kick off a batch job to process the data.



Customisable logic

Leverage easy-to-understand prebuilt logic for the most common file processing scenarios and quickly extend it with your business rules.



File configuration

Administrators can configure settings about file imports that will automatically be applied when a file is being processed.



File templates

When uploading a file, end-users can download and complete a file template nominating the data they need.



Multi-threaded backend processing

Files can be split into smaller jobs processed in parallel to reduce processing time.



End-user feedback

When file processing fails, end-users are sent detailed reports, including the row number, column and cause, speeding up manual data fixes.



Support for different file formats

Allow users to define their data in Excel, CSV or JSON files.



Accelerate and enhance your OutSystems solutions with DX Accelerators, a suite of applications created to simplify development, speed up delivery and reduce delivery costs. Each DX Accelerator is a pre-built component that can tackle different common challenges.

phoenix-dx.com/accelerators



The complexity of technological ecosystems can make it difficult for enterprise organisations to quickly evolve their digital capability to keep pace with market expectations. PhoenixDX helps IT Leaders deliver enterprise-grade digital solutions that help them run, grow and transform their business while enabling continuous innovation.

PhoenixDX is one of the fastest-growing technology companies in Australia, specialising in rapid application development, leveraging a winning combination of top talent, proven processes, AWS and the OutSystems modern application development platform technologies.

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into digital solutions. Fast.**

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