

PRINT ON DEMAND SERVICE

The client is household name in the field of imaging technologies and also an admired name in Multi-functional peripherals. The client wanted to enter into Print-On-Demand (POD) market where many players were already selling products. Newgen was given the task of developing various modules of client's POD offering.

CHALLENGE

The Client wanted to provide the printing options to the user based on the printing device capabilities which exists over the internet and the solution was needed with standards where independent components can be used with other vendor's components. Real-time status tracking from the users was also needed in the POD solution. On the fly preview for the output of the document was also needed before submitting the document

SOLUTION

Newgen developed the components of this software as per open standards for communication like MIME based communication for any job submission to the printer server, MIME helped in packaging the job and secure communication.

JDF was used for defining the user defined job options in the printer driver. The printer device understands PDF and JDF so the PDF format was used at all the levels to make the operations smooth. Capabilities for showing on the fly preview with the user defined options was also developed using PDF operation page bitmaps with image operations to look like the output of the printing device.

A web based interface was developed to track the location of the document or printer copy over the internet using database and a component which update the database for every move of the document from one location to other in the printing flow.

For the better performance Newgen developed printer with virtual port to convert from any format of the document to PDF format.

BENEFITS

- ⊗ Open standards like MIME and JDF used for document and information transfer
- ⊗ Solution components can be used with other vendor's components
- ⊗ Real time status tracking was provided
- ⊗ All benefits of Print-On-Demand services available to end-customers.

TECHNOLOGIES

- ⊗ C++, C#.net
- ⊗ Acrobat SDK /Ghost Script
- ⊗ MIME/ JDF / XML / PDF
- ⊗ Ubuntu Linux, Windows
- ⊗ Lead Tool Libraries, PDF-Tron Libraries
- ⊗ Apache / Tomcat

PROJECT TEAM

- ⊗ 100 person months
- ⊗ Duration – 14 months

SOFTWARE ENGINEERING SERVICES AT NEWGEN

Newgen is a specialized provider of Software Engineering Outsourcing services. Over the last decade, Newgen has provided services to leading global packaged software product and enterprise software product companies.

Services provided include:

- ⊗ Product Strategy and Conceptualization
- ⊗ New Product development
- ⊗ Product Extension
- ⊗ Product Maintenance and Support
- ⊗ Testing & Quality Assurance
- ⊗ Porting / Migration
- ⊗ Internationalization and Localization
- ⊗ SaaS Enablement
- ⊗ Professional Services