HYBRID PLATFORM FOR ADVANCED SOLUTIONS (HyPAS™)
Technology Brief

Introduction

Just like time itself, technology stops for no one. Case in point: Office technology. Specifically, single-function copy, print, scan and fax "machines" have quickly evolved into sophisticated "multifunctional systems." Indeed, today's network-connected multifunctional products (MFPs) serve as shared resources that enable organizations – large and small – to optimize efficiency and productivity by streamlining document workflows. However, not all workflows are alike. As a result, businesses are benefiting from recent technological advancements that leverage the MFP's customizable controller architecture to meet unique workflow requirements.

For instance, one company may be looking to reduce output and retrieval costs by scanning a document at the MFP and routing the electronic file to an existing document management system. Other enterprises may need to address compliance mandates, for example, hospitals, law firms, banks and schools, so safeguards must be put in place to protect device and document assets.

The flexibility designed into Kyocera MFPs support these types of workflow requirements, thus facilitating enterprise-wide information sharing, maximizing resource utilization and strengthening security at every stage of the document lifecycle. Engineered to evolve, Kyocera MFPs are built on a state-of-the-art platform that allows software developers to easily create solutions that simplify scanning and distribution tasks.

From the MFPs touch-screen display, intuitive icons guide users through customized business applications. A walk-up user can scan patient records, courtroom transcripts or mortgage applications to a network folder, providing immediate access to mission-critical files. To increase accountability, a user can be required to swipe his/her ID card to authenticate before accessing Scan-to functions. Controls can also restrict device functions such as color printing, further driving down the cost of doing business. What makes this, and much more, possible? Kyocera HyPAS technology.

HyPAS Overview

Hybrid Platform for Advanced Solutions (HyPAS) is a powerful Kyocera software development environment that optimizes the performance of select Kyocera MFPs. Kyocera's HyPAS platform is "hybrid" in that MFP capabilities can be enhanced – by Kyocera or our third-party solution partners – using the Java™ Software Development Kit (SDK) and Web Services SDK.

The Java and Web Services platforms allow the MFP's core feature set to be expanded with embedded or server-based business applications, respectively. With embedded applications, the Kyocera MFP touch-screen is configured to interface with, for example, applications that are currently deployed within the company.

For instance, a Kyocera MFP, with embedded DMS Link, enables users to scan hardcopy documents for automatic routing to an existing back-end document management system. This provides paper-intensive environments with an easy way to index, archive, organize and search content.

Kyocera's web services platform enable that MFP to communicate with other devices, i.e., those that also support Web Services applications. For example, Kyocera's Capture2go solution enables the Kyocera MFP (connected to a wireless network) to serve as a document on-ramp to Apple's popular wireless handheld devices – iPhone, iPod touch and iPad. Capture2go makes it easy to share mission-critical information with a mobile workforce.

Gaining the competitive edge means having fast, convenient access to information, so HyPAS business applications are designed to be intuitive. In fact, the steps taken to synchronize MFP control panel functions with document management systems, mobile devices, and more, is invisible to the end-user, making image capture and distribution a breeze.

HyPAS Business Applications

As one of the world's leading document solution providers, Kyocera has pioneered the development of business applications that set the standard in document workflow customization. The goal: harness the power of Kyocera MFPs, and scalable HyPAS technology, to build personalized applications that turn otherwise complex workflows into simple processes.

The types of workflows that impact a business' efficiency, security, and bottom-line profitability, are divided into six different Kyocera-designated categories, as illustrated below. These categories provide general guidance to the integration points where Kyocera solutions can economically bridge the gap between paper and electronic workflows.

Examples of Kyocera Business Applications by Category / Customer Advantage	
Document Management	■ **Open Text RightFax Connector***: Enables users to scan and send documents to the RightFax server directly from Kyocera MFPs, for full fax server integration. ■ **Microsoft SharePoint Connector***: Enables users to logon to their SharePoint account, scan documents to a SharePoint folder, and then search/print the document directly from the Kyocera MFP. **Customer Advantage**: Utilizes Kyocera MFPs as the on-ramp to an earth-friendly digital workflow that increases office efficiency *and* accountability; provides audit trail for documents that were traditionally stored in costly hardcopy form.
Workflow Management	■ **Teaching Assistant***: Simplifies the task of printing, collecting and analyzing multiple-choice test results using bubble-sheet forms, streamlining classroom workflow and boosting student achievement. ■ **DMS Link***: Enables users to index documents at the Kyocera MFP's control panel and route them to popular document management systems, databases or other network folders. ■ **KYOcapture***: Supports the cost-efficient capture, processing and routing of paper or electronic documents to multiple locations. **Customer Advantage**: Automates paper-intensive environments with bar code recognition, advanced forms processing or link to existing document management systems, for collaborative information sharing.
Output Management	■ **MyForms***: Print auto-populated forms with data from Lightweight Directory Access Protocol (LDAP), enabling database and data entry directly on the Kyocera MFP touch-screen. ■ **PRESCRIBE**: Enables users to create, store and recall forms from a compact flash card or from the MFP hard disk drive. **Customer Advantage**: Creates dynamic variable data workflows using a Kyocera MFP, improving ROI by reducing dependency on paper, thus controlling costs related to the purchase, handling and storage of pre-printed forms.
Cost Control & Security	■ **ColorLock & AccessLock***: Businesses gain control at the device level in order to better manage color usage and access to the specific device functions, including printing, scanning and faxing. ■ **PaperTrail***: Offers authentication, authorization, secure printing and usage tracking, providing a complete access control solution, with available proximity card reader to support security and compliance initiatives. **Customer Advantage**: Ensures that valuable Kyocera MFP and network resources are used appropriately, which supports cost-cutting, security and compliance initiatives.
Cloud & Mobile Technologies	■ **Capture2go***: Allows users to seamlessly scan and print documents on the Kyocera MFP, and then review and distribute via Apple mobile devices. **Customer Advantage**: Provides a mobile workforce with anytime, anywhere access to time-sensitive information.
Network & Device Management	■ **KMnet Admin**: Uses a web-based platform to give network administrators easy control of all network-enabled MFPs and printers, including the ability to program energy-saver mode and duplex (2-sided) output, reducing energy and consumable waste. ■ **KMnet Viewer**: Password-protected utility that centralizes device monitoring and management, including the ability to perform remote firmware updates and device troubleshooting. **Customer Advantage**: Monitors network and device status of an entire Kyocera fleet, maximizing device uptime by enabling proactive service and consumable replenishment.
* Powered by HyPAS™	

HyPAS Business Benefits

To demonstrate Kyocera's commitment to delivering successful products to the market, Kyocera is continually adding to its suite of HyPAS business applications. These collaboratively-designed solutions maximize a business' investment in technology and infrastructure, with far-reaching benefits.

Business Benefits		
IT Professionals	**End Users**	**Decision Makers**
• Leverages existing IT infrastructure, business applications and databases. • Scalability; MFP adapts to changing workflow and network environments. • Helps maintain control over document, device and network integrity and security. • Improves visibility into usage and trends, for better management of workflow across an enterprise.	• Offers superior usability, with simple one-touch scanning operations; intuitive icons, buttons and form-fields speed job completion. • Enhances overall workgroup productivity and efficiency; engages the user through a familiar control panel. • Facilitates information sharing and collaboration, locally and globally.	• Aligns MFP technology with business goals to meet most urgent needs, ensuring fast return on investment (ROI). • Safeguards intellectual property and helps meet rigorous compliance mandates, such as HIPAA and Sarbanes-Oxley. • Low implementation costs; HyPAS applications do not require purchase of server hardware and software.

The Value Behind the HyPAS Developer Program

In today's challenging business climate, decision makers are driving initiatives that address weaknesses in existing infrastructure, including inefficiency in MFP utilization. Kyocera has responded to that demand by introducing targeted applications that extend the MFP's out-of-box capabilities, in order to fully optimize document workflow.

Kyocera dealers, developers and partners can also participate in custom application design through the Kyocera Developer Program. This comprehensive program facilitates development of tightly-integrated business applications that take advantage of core MFP features by linking with existing business processes. By transforming a basic network copier into a personalized scanning portal, businesses can boost efficiencies across the enterprise, and more easily adapt to ever-changing business needs.

Those who wish to participate in Kyocera's comprehensive HyPAS Developer Program enroll in hands-on training prior to receiving certification. Once certification is achieved, follow-up support and resources are available. For example, Software Development Kits (SDKs) provide the necessary sample code, documentation and simulator software.

Prior to release, all Kyocera or third-party developed applications go through a rigorous QA evaluation process to ensure that the solution meets identified criteria. Specifically, Kyocera ensures…

- ☑ **Compatibility** – Demonstrates full interoperability with hardware, software and network infrastructures.
- ☑ **Reliability** – Performs the function(s) for which it was designed, without error.
- ☑ **Security** – Includes all necessary safeguards to prevent the introduction of malicious code.

Once a HyPAS business application has been validated by Kyocera, the solution joins the ranks of many other best-in-class embedded, web-based and mobile solutions in the HyPAS Suite. Each HyPAS application shares a common thread – the ability to maximize every customer's investment in high-performance Kyocera MFP technology.

Most importantly, all Kyocera HyPAS business application development is in direct response to the needs expressed by key vertical markets seeking process improvements that increase efficiency *and* reduce operational costs. With trained, certified dealers engaged in this collaborative effort, a professional partnership is formed, one that supports best practices in technology integration and utilization. When industry speaks, Kyocera listens…and customers realize value that far exceeds expectations.

To learn more about the Kyocera's HyPAS Business Applications and its line of multifunctional products and printers, visit www.kyoceramita.com.

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