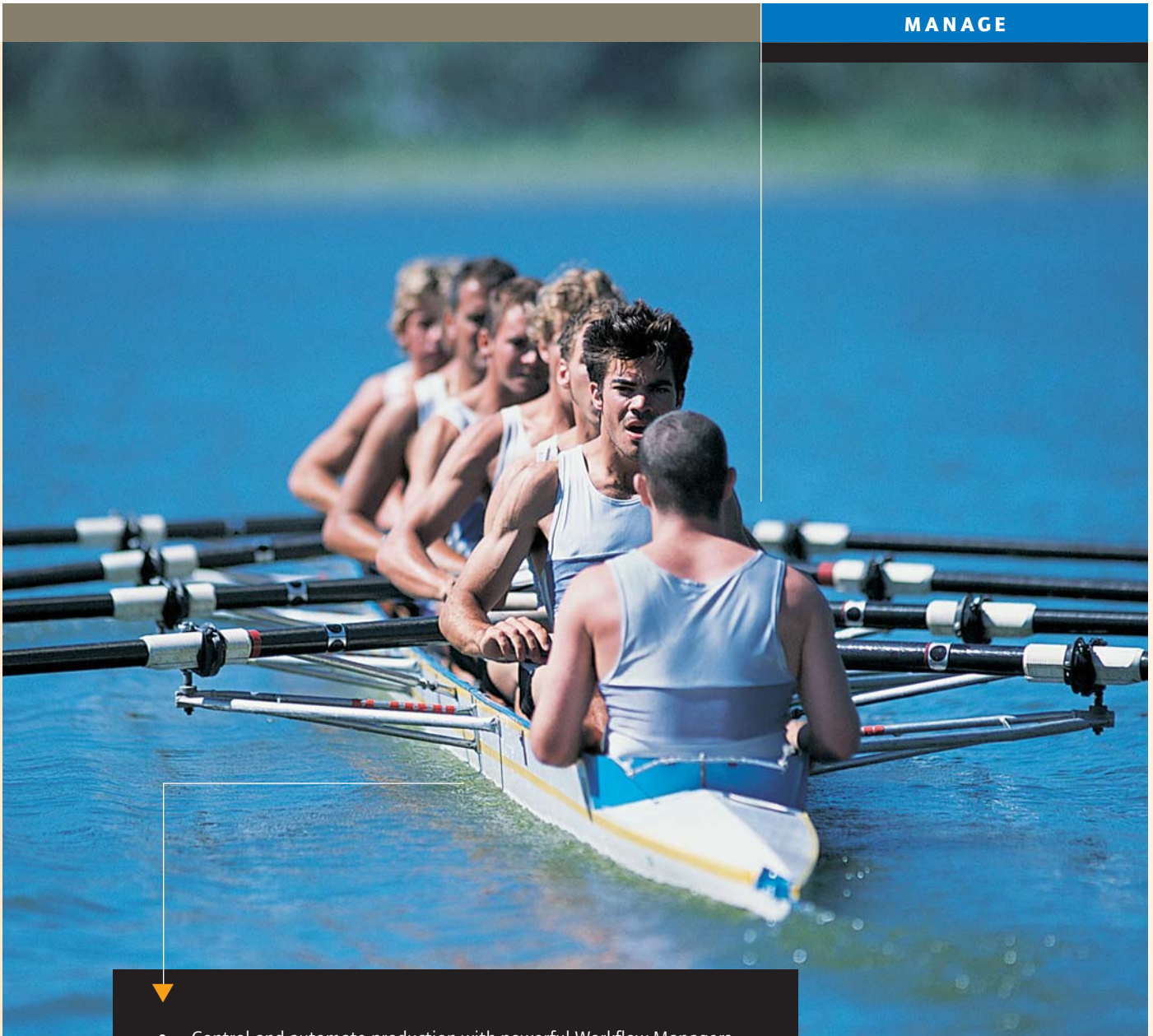


Integrated. Workflow. Results.

Manage
your workflow,
start to finish.

QDirect™

MANAGE



- Control and automate production with powerful Workflow Managers.
- Maximize printer utilization while reducing costs.
- Increase flexibility, operator productivity, and throughput.

Rochester Software Associates, Inc.





No matter how jobs arrive...
no matter where jobs need to end up...
QDirect makes it happen

The key to profitability

To run an optimized print environment, it is important to utilize versatile technology that can accept jobs from multiple sources and output them to multiple destinations. After all, jobs come from the mainframe as well as the network. Some jobs need to be produced on a production color printer, while others simply need to be archived or burned to CD. Choosing technology that handles it all makes the difference. QDirect streamlines production and distribution, ensuring more jobs get in, through, and out the door in less time.

Consolidate. Converge.

QDirect from Rochester Software Associates (RSA) is a comprehensive print job manager used to control workflow, route jobs, and manage print destinations across the entire enterprise. QDirect consolidates print from data centers, departments, and desktops to a single point and distributes the output to production, workgroup, desktop printers, as well as other destinations. Essentially, QDirect can manage a job's workflow—no matter where it originates or where it must ultimately end up.

Job #	Job Name	Status	Destination	Copies	Pages	Pri	Class	Category	Type	User	Date/Time Created
131	accounting_mat	READY	ANY	4	13	5	qddev	LPDCAT	PS	mjackson	1/12/05 1:54:58 PM
130	Microsoft Word	READY	ANY	4	13	5	qddev	Ascendin	UNKNOWN	djoachim	1/12/05 1:43:09 PM
129	YearEnd	READY	ANY	4	13	5	ACCT	ACCT	ANY	tkelly	1/12/05 11:33:01 AM
126	Itinerary	HELD	ANY	1	2	5	ANY	DUPLEX	ANY	rkley	12/14/04 6:17:57 PM
125	BizPlan	HELD	ANY	1	1	5	RYA	DUPSTAP	ANY	diannuzo	12/14/04 5:56:16 PM
124	HigherEd	HELD	ANY	1	2	5	MMM	PLAIN	ANY	dvanable	12/13/04 5:33:04 PM
122	Expenses	HELD	ANY	1	2	5	BBB	DUPSTAP3	ANY	mbeaty	12/13/04 5:12:32 PM
121	TripReport	READY	ANY	1	2	5	BBB	DUPSTAP	ANY	pgroeger	12/13/04 5:09:02 PM
120	Evals	READY	ANY	1	2	4	HHH	DUPSTAP	ANY	rbaden	12/13/04 5:03:54 PM
119	ProductBrief	READY	ANY	1	2	5	HHH	DUPSTAP	ANY	alecese	12/13/04 5:03:27 PM

QDirect runs on a highly reliable, scalable, and secure Sun platform. QDirect's intuitive Java-based user interface means no UNIX knowledge is required. Operator and administrative functions can be performed from any desktop.

Automate and simplify

Intelligent job routing occurs based on attributes of each job (priority, page count, simplex/duplex, plain/staple/bin, etc.) and the capabilities of destination printers. QDirect determines which printer is available and routes the job to the appropriate queue, or holds it for operator release.

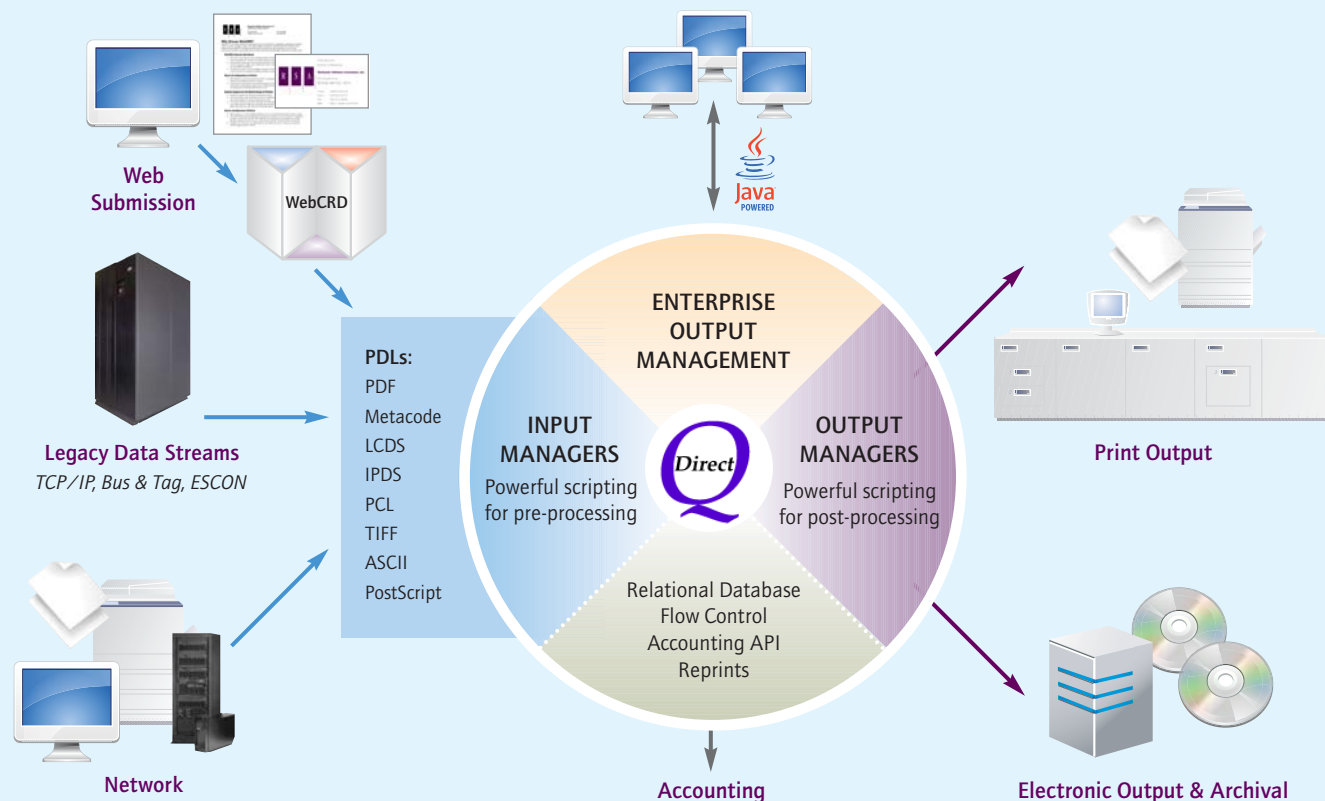
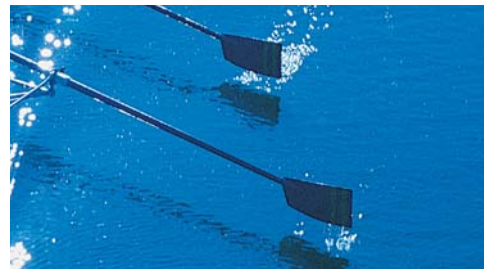
QDirect improves workflow

QDirect is a workflow tool that enables customers to improve efficiency in their print and data center operations.

Input/Output Workflow Managers add a powerful set of prepackaged utilities and APIs to address the unique needs of each organization.

With QDirect Enterprise Output Management:

- Your entire print workflow can be managed with more efficiency.
- You can be sure jobs are being sent to the right devices at the right times.
- Your print center is automatically optimized, empowering your operators to focus on higher value tasks.



Powerful features, measurable benefits

QDirect is loaded with an extended set of capabilities that adds to the overall productivity, professionalism, and profitability of your print center.

- **Make convergence a reality** by managing data center, copy center, and network print across the entire enterprise.
- **Improve productivity and simplify workflow** by automating queue management and job routing to local or remote devices, including production, midrange, and desktop printers.
- **Reprints jobs** without reprocessing.

- **Maximize throughput** with the most scalable and reliable output manager.
- **Capture detailed accounting information** and integrate with third-party document accounting solutions, enabling enterprise-wide chargeback for both distributed and centralized printing.
- **Distribute jobs evenly** across production printers via a Flood Control feature.
- **Enhance documents** with a number of capabilities, including adding bar codes and banner pages.
- **Ensure ease of use** for mainframe operators through a highly configurable system.

Build on success

RSA's complementary workflow software applications create a totally integrated solution for data center, print center, and network convergence.

- Add real-time transform of legacy data streams when required with RSA's industry leading M.I.S. Print, IPDSPrint, and RDOPrint solutions.
- Enable online print job submission and ordering with RSA's WebCRD. Achieve complete integration of transaction, publishing, and catalog ordering.

QDirect™

MANAGE

SPECIFICATIONS

Data Streams

- Data stream independent (PostScript, PCL, PDF, TIFF, ASCII, LCDS, XES/UDK, IPDS)
- Jobs can be submitted from any source
- WebCRD

Network Protocols

- Open System protocols (TCP/IP, LPR, FTP, Socket, Hot Folder)
- Mainframe protocols (Bus & Tag, ESCON, Secure Mainframe TCP/IP)
- Alternate protocols (QDirect Input Workflow Manager API, QDirect Submission Client)

High Availability and Security

- Backup server support
- Disaster Recovery support
- SSL encrypted data streams and protocols

Operating System

- Runs on a highly scalable, reliable, low cost Sun Solaris platform
- No UNIX knowledge is required
- Java client runs on any desktop

Enterprise Output Management at work

Scenario: An organization planned to merge their data center and in-house copy/print center.

Transactional data center work needed to be produced on the same equipment and at the same time as traditional copy center volume. Hardcopy scanning was dragging down productivity and users were frustrated with the quality and turnaround time of the copy shop.

Solution: RSA is your one-stop solution partner.

With expertise in transactional data conversion, Web-based document submission, scan-to-printshop, document management system integration, and QDirect to bring it all together, RSA has you covered.

This account streamlined operations, improved efficiency, and cut costs dramatically by partnering with RSA for a comprehensive workflow solution.

Copy center volume is now submitted via WebCRD (electronic submissions) and QDirect.SCAN (hard-copy submissions). Mainframe volume is received and converted by M.I.S. Print to both Postscript for printing and PDF for archiving.

All documents now flow through QDirect where operators no longer differentiate between copy center and mainframe jobs—everything is just work that needs to be scheduled and produced. Jobs are automatically batched and released to devices based on paper stock and finishing requirements, so operators never route a job to a device that cannot handle it. When the day is over, management runs accounting reports and charges back to the departments that submitted the volume.

With RSA, workflow happens.



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