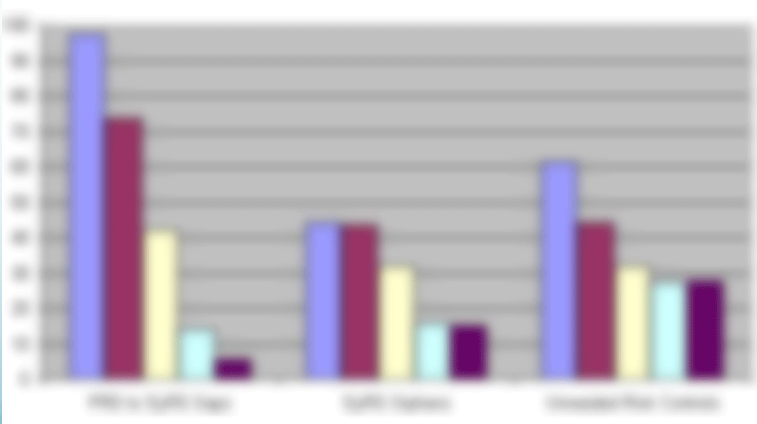Metrics Dashboard™ is an IBM® Rational® DOORS® accelerator product, part of the Smarter Solutions product line from River North Solutions

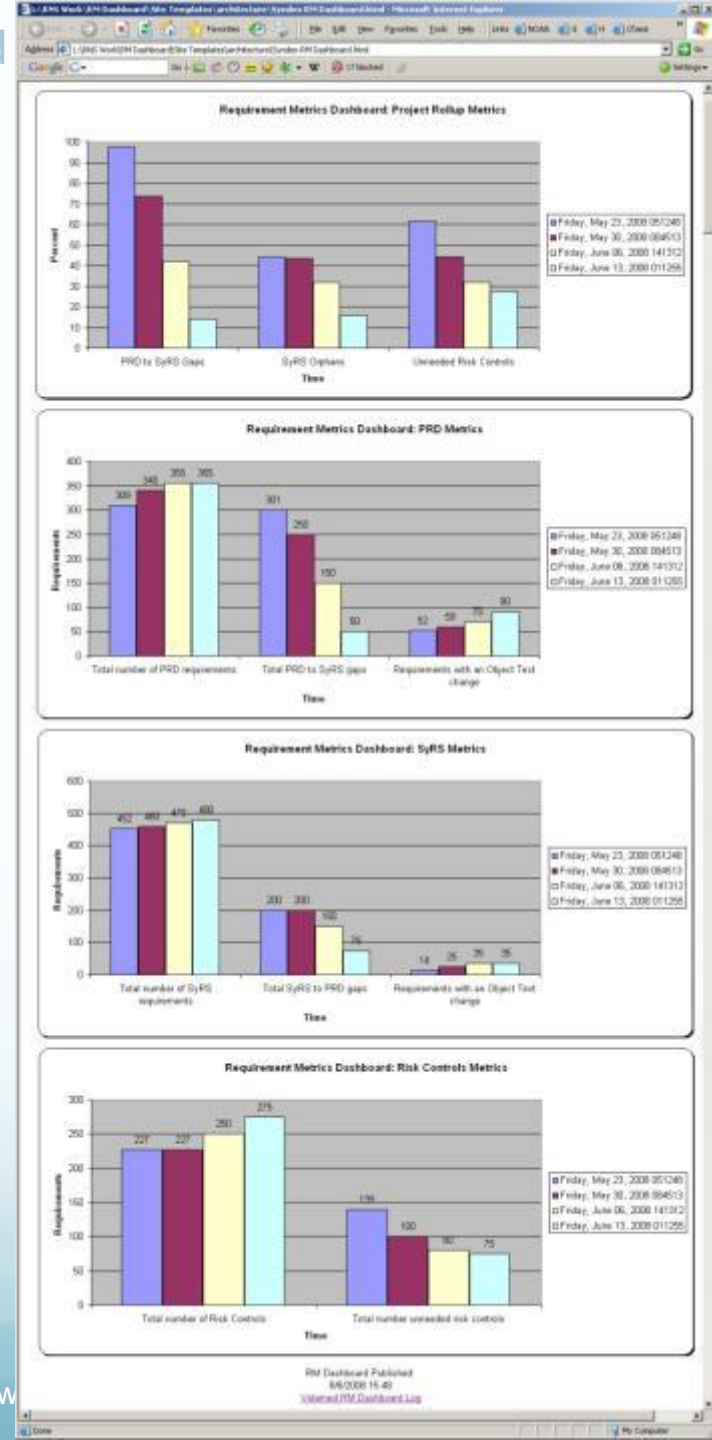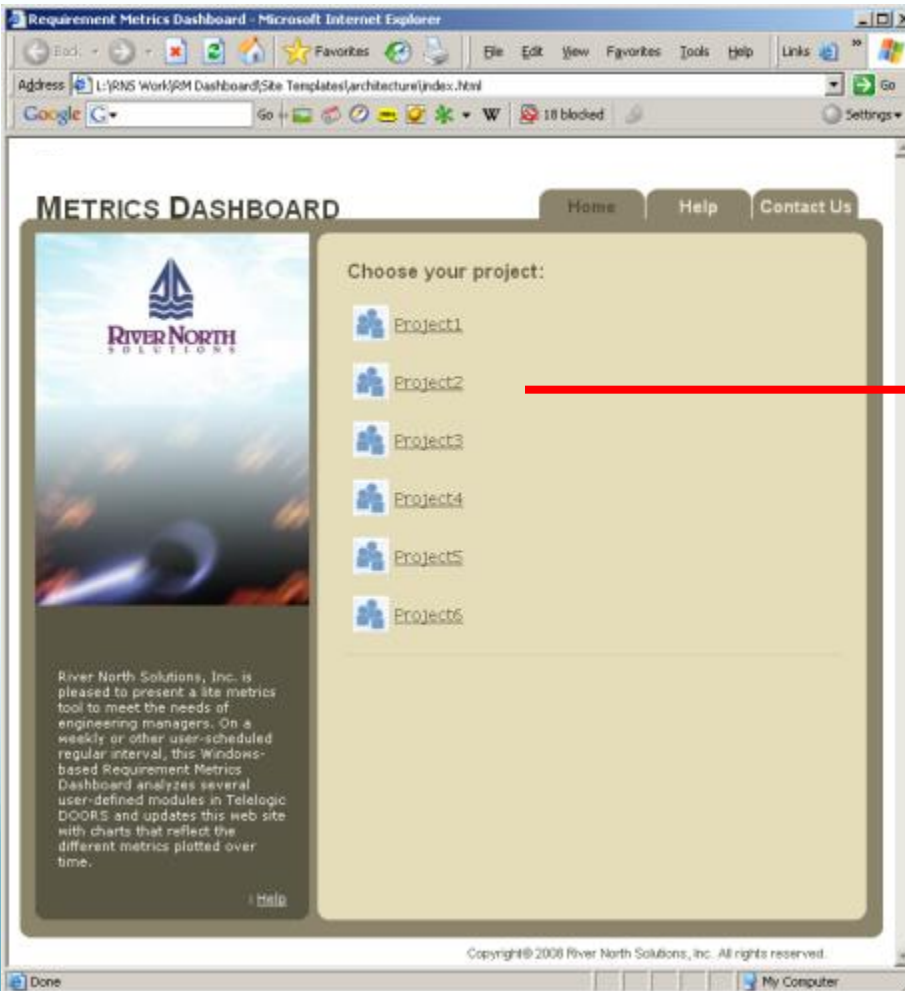RIVER NORTH
SOLUTIONS

Metrics Dashboard™ for DOORS

V1.3

Overview

- Dashboard Website Displaying Projects Whose Metrics Can Be Viewed

Overview

- Runs regularly as a Windows scheduled task

- Analyzes 4 DOORS modules:
  - For Example:
    - Product Requirements Document
    - System Requirements Spec
    - System Design Spec
    - Validation Test Spec

- Updates charts containing metrics data

- Publishes charts to a web site →

- Unattended operation

- Metrics consumers navigate to web site – no software interaction necessary
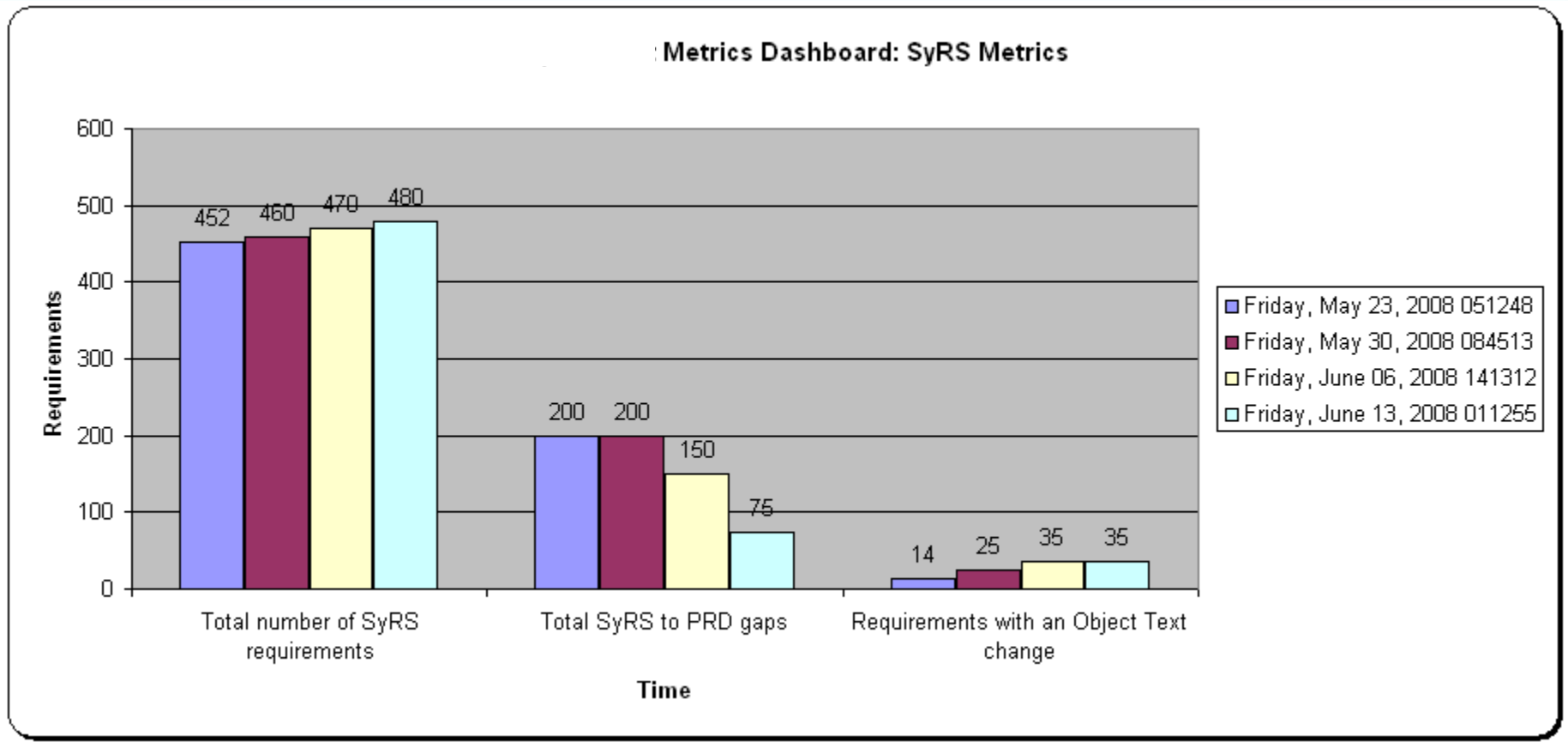
Windows Scheduler

Dashboard Website Home Page

Interpreting Dashboard Metrics

- Example: System Level Metrics
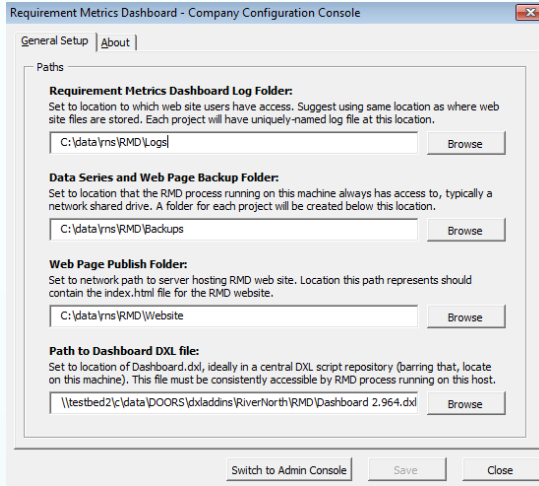

Metrics Dashboard: SyRS Metrics

Interpreting Dashboard Metrics

- Example: System Level Chart
  - Example metric: Total number of system requirements:
    - System requirement growth
  - Example metric: Total orphan system requirements:
    - System requirements not traced up to product level
    - Less is better, goal is zero
  - Example metric: Total number of objects with a particular status:
    - Approved vs. Pending Approval
    - Less Pending Approval is better
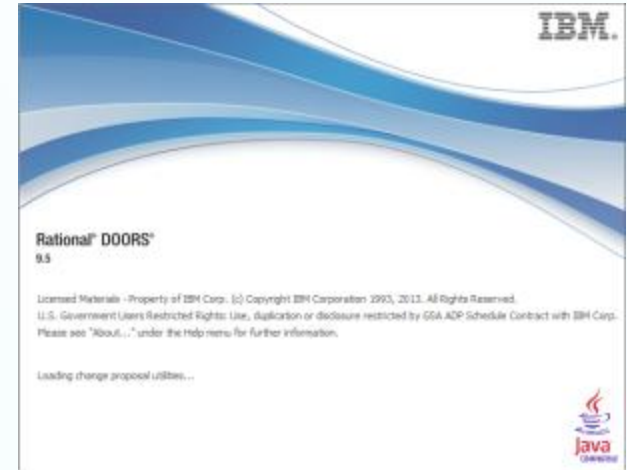
RMD Overview – Dashboard Components

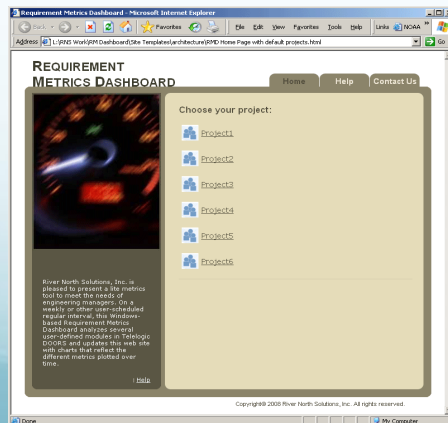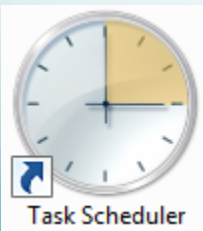## Company Configuration Console
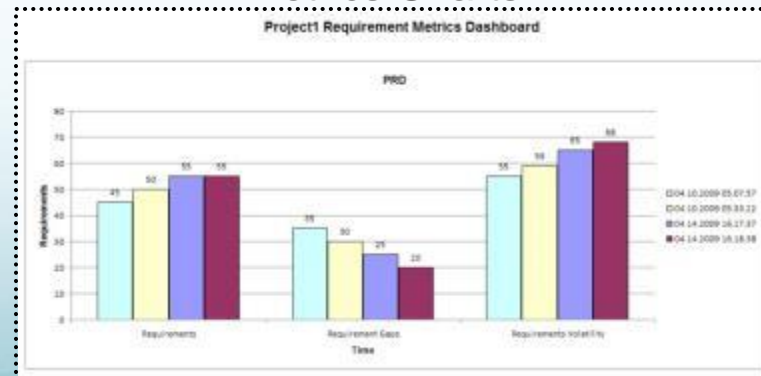

Administrator Console
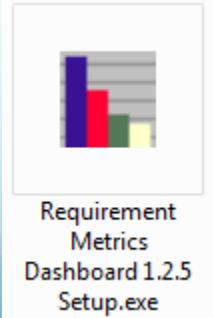

DOORS

Dashboard Website

Windows Scheduler

Metrics Charts

Installer

River North Smarter Solutions for Requirements Management & Document Publishing

Word, PDF

```
Data Source  →  Import Service
```

DOORS

- Metrics Dashboard → **HTML**
- Module
- ExportMe
- ArrangeMe
- Ambiguous Words Detector
- BranchManager for DOORS

Web Publisher → RPE → Published Document

Word, PDF
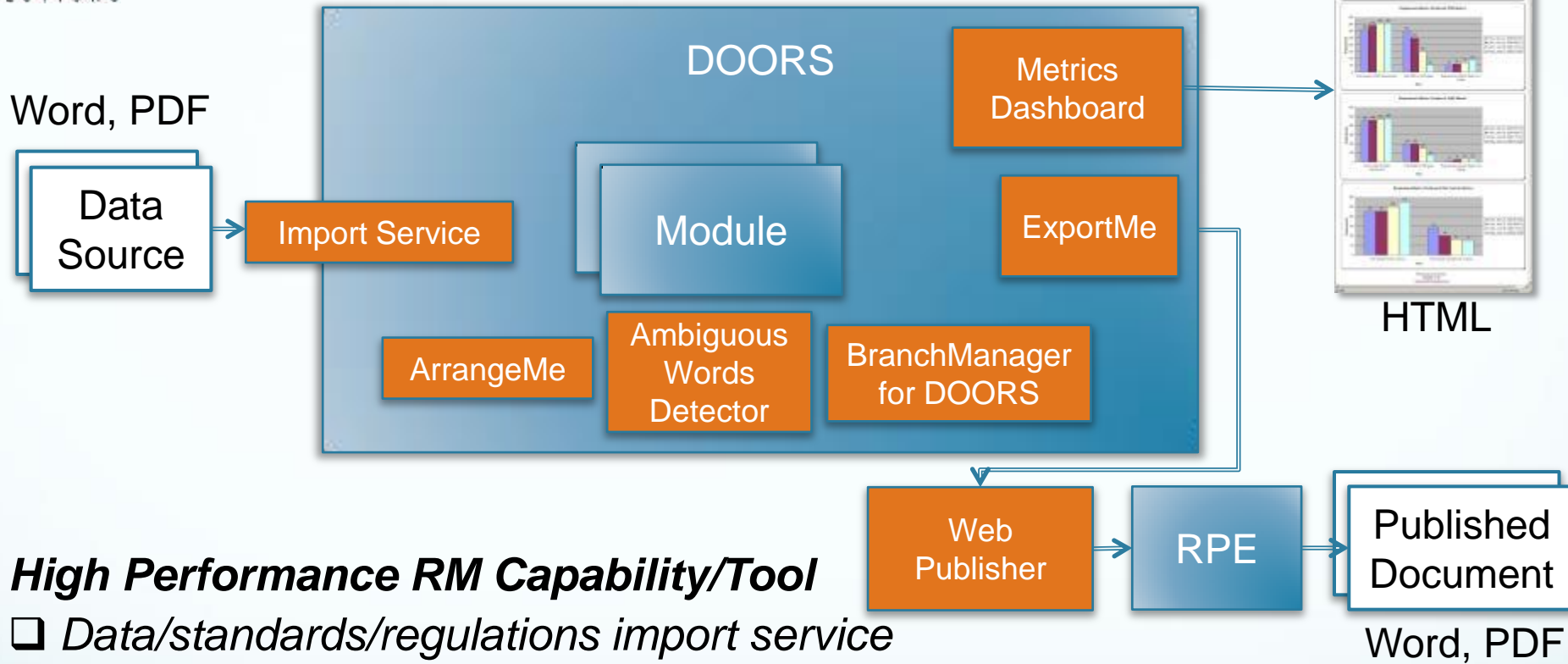
High Performance RM Capability/Tool

- ☐ *Data/standards/regulations import service*
- ☐ *Automated data manipulation / ArrangeMe*
- ☐ *Boost requirement quality, reduce churn / Ambiguous Words Detector*
- ☐ *Parallel stream development / BranchManager for DOORS*
- ☐ *Automated, simplified, consistent document publishing / ExportMe*
- ☐ *Reduced tool footprint & licenses / Web Publisher*
- ☐ *Monitor leading indicator trends / Metrics Dashboard*

River North Profile

Industry/Client Experience (partial)

- Transportation
  - Ansaldo STS
  - Bombardier Transportation
  - GE Transportation
- Automotive
  - Ford Motor Company
- Aerospace & Defense
  - Aerojet Rocketdyne
  - Crane Aerospace
  - Northrop Grumman
  - NASA JPL
  - LMCO-NASA
- Energy
  - NuScale Power
  - Westinghouse Nuclear
- Medical Device
  - Baxter Healthcare
  - Bayer Healthcare
  - Eli Lilly
  - Hospira
  - Roche Diagnostics
  - St. Jude Medical
- Telecommunications
  - Comcast
- Industrial
  - Chamberlain
  - HP Enterprise Services

Professional Society Leadership
INCOSE
- Chicagoland Chapter President
- Risk Management WG Co-Chair
- Midwest Biomedical Healthcare WG
IEEE
- Board of Directors

IBM Software Expertise
Requirements Management
- Rational DOORS
- Rational DOORS Next Generation
- Rational Requisite Pro

Collaborative Lifecycle Management
- Rational Team Concert (RTC)
- Rational Quality Manager (RQM)
- Jazz platform

Document Publishing
- Rational Publishing Engine (RPE)

Modeling
- Rhapsody (Systems & Software)
- Design Manager (DM)
- Rational Systems Architect (EA)
- Rational Software Architect (IT)

Product/Portfolio Management
- Rational Focal Point

Training
- All above IBM products
- MBSE – SysML/UML languages, plans, methods, and tools

River North Rational Accelerator Products
- *Ambiguous Words Detector*™ (AWD)
- *ArrangeMe*™ – DOORS data manipulation
- *Requirement Metrics Dashboard*™ (RMD)
- *ChangeTracker*™ – revision rich text markup
- *ExportMe*™ – automated doc publishing
- *Allocated Requirements Tool*™ (ART)

Key River North Smarter Solutions
- Data input and manipulation automation
- Requirements quality and churn reduction automation
- Product variant productivity
- Process automation
- Data/document publishing automation
- Metrics

Staff Augmentation
- Systems engineers

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info@rivernorthsolutions.com

Advanced Business Partner IBM

For More Information…

- *Metrics Dashboard™* can be customized to suit your organization's needs
- Contact Bob Parro at bparro@rivernorthsolutions.com