IBM Teleconference Presentation:

Ease the pain: Migrating to System z™ management solutions

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Agenda

- Auto discovery tools, professional services, data analysis and collection and migration analysis to smooth the migration

- IBM Tivoli® System Automation for z/OS® to monitor and launch an appropriate response when there's a deviation from the user-defined "desired state"

- IBM Tivoli® Workload Scheduler for z/OS® to plan, manage and automate the production workload running on any system, in any operating environment

- Questions & Answers

Tivoli System Automation

- **5 Key Milestones for Successful Migration**
  1. Perform an Assessment* of your existing Automation environment
     - Data collection
     - Identify and address all aspects of existing Automation implementation
     - Eliminate redundant or obsolete automation Rules or REXX code
  2. Identify Migration Tools*
     - Automate migration
  3. Develop a Project Plan* – use output of Assessment as input into the Plan
     - Product installation on a test plex   (Phase 1)
     - Convert automation Rules or REXX   (Phase 2a)
     - Test new automation   (Phase 2b)
     - Production cutover   (Phase 3)
  4. Execute Project Plan – Migration (Resource)
  5. Plan for Migration Cutover

- *Note that Assessment and Project Plan are IBM professional services offerings available for a nominal fee. Migration Tools are free of charge with Assessment. Migration (Resource) may be substituted for IBM Services available upon request.*

Tivoli System Automation - Assessment

- **Assessment**
  - **Migration Overview**
    - Executive Summary
    - Migration Project Summary
    - Project Planning and Task List
  - **Assessment Study Details**
    - Conversion Issues
    - Statistics
    - Rule Migration
    - REXX Migration
  - **Migration Recommendations**
  - **Educational Courses**
  - **Web Information**
    - Manuals, Redbooks, Product Home Pages

Tivoli System Automation - Assessment

Automation Statistics - All Systems combined

RULETYPE	AMOUNT
JRNL	201
MSG	2,628
ALRT	23
VAR	23
TIME	405
CMD	316
EXT	10
ALRM	37
TOTAL RULE COUNT	3,643

Total REXX execs - 867.

Tivoli System Automation – Migration Tools

- **Migration Tools** *New*
  - **Auto Discovery of Started Tasks** – Tool scenario:
    - Automation Tool captures active (running) started tasks
    - Tasks are retrieved from each of the LPARs in any given Sysplex
    - Task information is used to automatically create the SA task management policy of startup/shutdown within each of the LPARs
    - Selection list of tasks available from a working list – some minor parent/child relationship manual updates required but this automation covers 80-90% of startup/shutdown
  - **Migration Source Code Control** – Tool scenario:
    - Identification of custom coding (REXX) is the heart of an Automation migration
    - Tool keeps an inventory control system of REXX code to be migrated
    - Automatically identifies REXX libraries and shows ISPF statistics on creation date, last updated and by whom
    - Key for Project Manager and for medium to large size environments

Tivoli System Automation – Migration Tools

- **Migration Tools** *New **(continued)***
  - **REXX Emulation Utility** – Tool scenario:
    - Emulate legacy REXX to run under System Automation
    - Most legacy REXX can be migrated to System Automation built-in Policy
    - On average, System Automation decreases REXX code up to 40%
  - **RULES Migration Utility** – Tool scenario:
    - Greatly assist in migration of existing Message Rules to System Automation Policy

  Additionally…

  - Tivoli System Automation Redbook availability 2nd half of 2006
  - *New* Redbook and chapter on migration to Tivoli System Automation using these new Migration Tools coming soon
  - Stay tuned for more on www.redbooks.ibm.com

Tivoli System Automation – Migration Tools

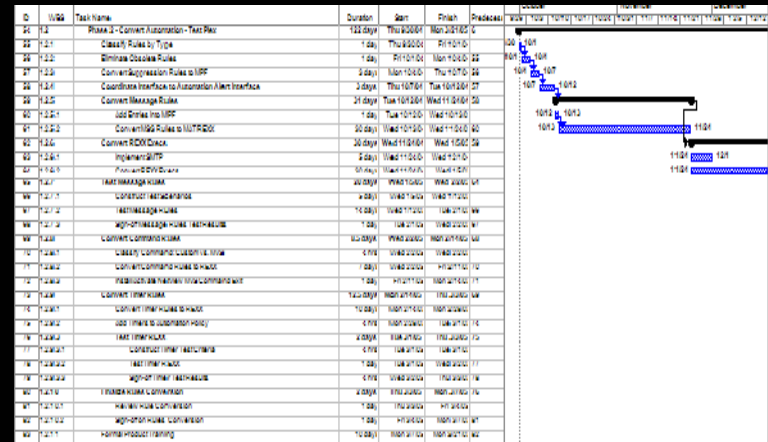# Tivoli System Automation – Project Plan

- **Project Plan**
  - **Migration** (Phase 2)
    - Convert Message Rules
    - Convert REXX Execs
    - Convert Command Rules
    - Convert Timer Rules
    - Test Rules/Parallel Testing
    - Finalize Rules
    - Formal Product Training
  - **Production Roll-out** (Phase 3)
    - Implement Migration Phase 2 into Production Plex
    - Post Cutover activities, wrap-up

Tivoli System Automation – Project Plan

Migration project

PROJECT PHASE	DURATION
Project Team Education	2 weeks
Project Planning	1 week
Initial Implementation and Customization of NetView/SA	2 weeks
Parallel testing (test systems)	12 weeks
Production Implementation and Customization of NetView/SA	varies
Parallel testing (all systems)	varies
Production Cutover	varies

Tivoli System Automation – Migration

- **Migration**
  - Typical scope of work
    - **Assessment**
    - **Project Plan**
    - **Migration Tools**
      - Data Migration
    - **Migration Tasks**
      - Resource execution
      - Project Plan tracking
      - Execution of migration road map detailing new function and assistance in the migration phase
      - Assessment will detail the specific tasks of the migration including potential IBM advise & assist with project

Tivoli System Automation – Migration Cutover!

IBM TWS Evaluation

- Industry Average

  – What product and how many databases

- Industry Average +

  – AECI – Confidentiality Agreement
  – Questionnaire
  – Data Collection Material (DCM)
  – Conversion tool
  – Identify what features and functions are exploited
  – Migration assistance estimates
    – Normal assist model

IBM TWS migration process

- TWS 101 training
- Planning Session
    - Establish core team
- Skills transfer throughout the migration
- Product installation and customization
- Baseline conversion pull
    - Clean up existing scheduler data
    - Conversion tools
- Best practices
    - Solve the business needs
- Parallel tracking
    - Verification tools
- Cutover assistance

IBM TWS migration success factors

- **Knowledge of current scheduling environment**
  - Knowledge of current scheduler function
  - Business knowledge (e.g., business areas, business priorities)

- **Verification of scheduling information**
  - Parallel tracking methodology
  - Parallel Tracking tools

- **Customer commitment**
  - Executive sponsorship
  - Staff buy-in and attitude

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Questions & Answers

- **You may also email us at IBM:**

  - shamner@us.ibm.com   * Tivoli System Automation
  - heide@us.ibm.com   * Tivoli Workload Scheduler

  - Customer References are available upon request
  - Refer to our website for customer success stories
    www.ibm.com/software/solutions/softwaremigration/casestudy.html

THANK YOU