MDRM

Mantech Dynamic Robotic Manager

Workflow Based IT Automation Solution

IPL

Monitoring

Simulation
Training

Daily Routine
Checks

Disaster
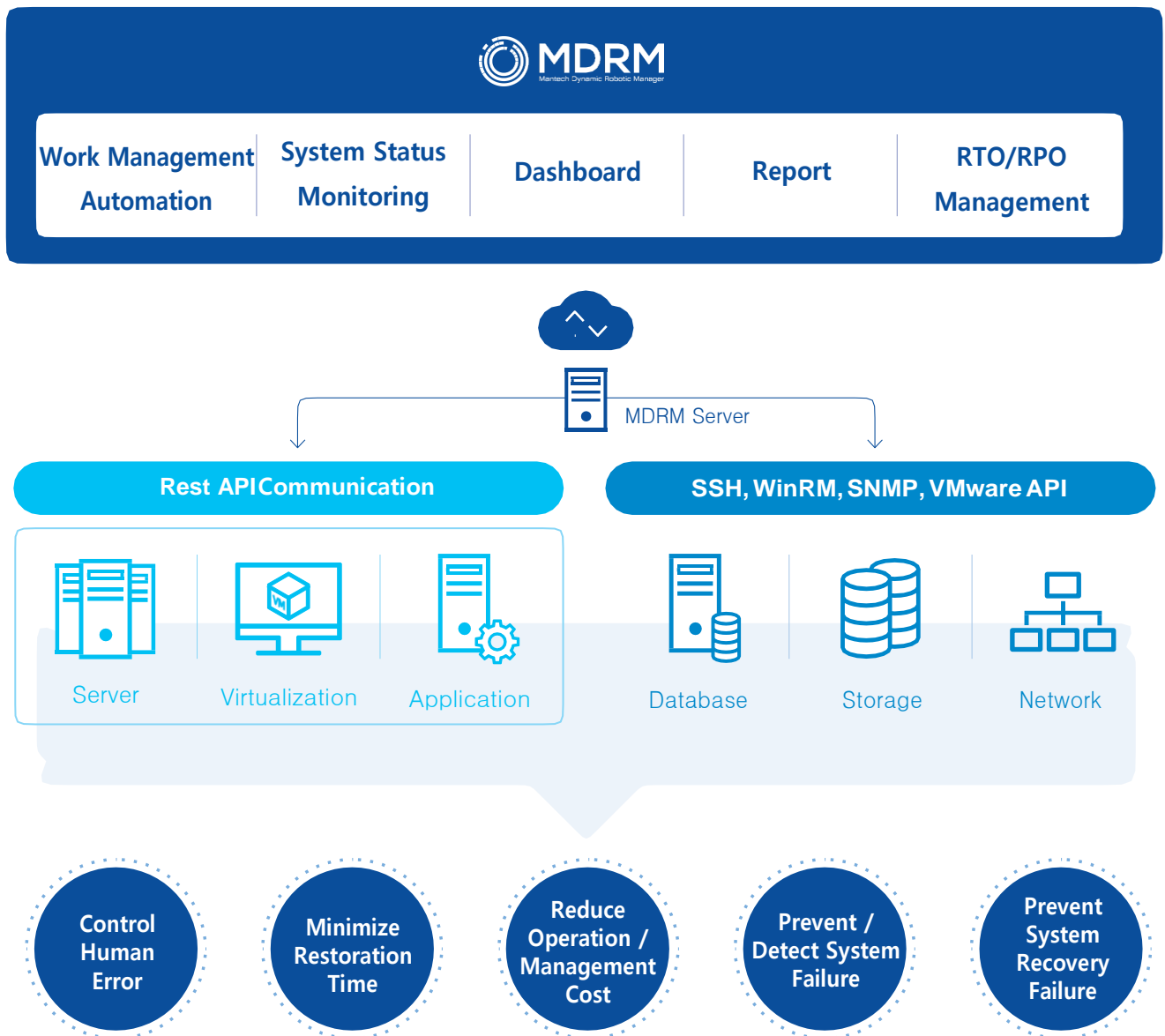Recovery

manTech
Solution
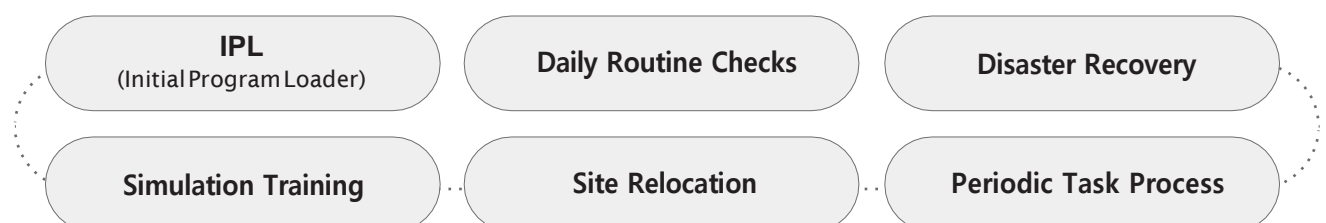
MDRM Mantech Dynamic Robotic Manager

MDRM is the IT Automation Solution which can be applied in various system environments to help our client efficiently manage their daily operation and quickly recover from any system failure.

Datacenter can be efficiently managed and operated with the help of MDRM features like **Workflow based business process management**, **operational procedures verification**, **system monitoring**, and **visualized system recovery procedure**.

MDRM will help to clarify numerous complex tasks managing with the systematic system management and to minimize resource and operating cost with repetitive tasks.
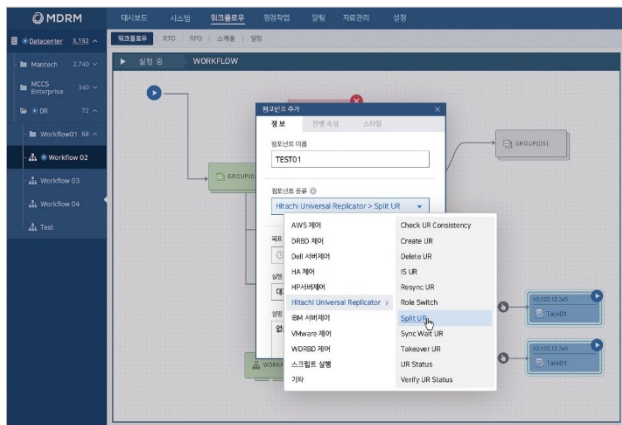
MDRM
Mantech Dynamic Robotic Manager

Work Management Automation	System Status Monitoring	Dashboard	Report	RTO/RPO Management

MDRM Server

Rest API Communication

SSH, WinRM, SNMP, VMware API

Server | Virtualization | Application

Database | Storage | Network

- Control Human Error
- Minimize Restoration Time
- Reduce Operation / Management Cost
- Prevent / Detect System Failure
- Prevent System Recovery Failure

On-site Applications

- **IPL** (Initial Program Loader)
- **Daily Routine Checks**
- **Disaster Recovery**
- **Simulation Training**
- **Site Relocation**
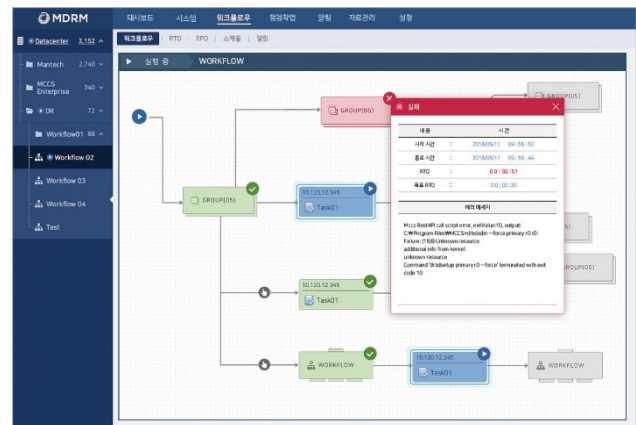- **Periodic Task Process**

Main Features

Workflow Creation

- Create a standard workflow template with the provided components or with client's custom scripts.

- Run the workflow one at a time, or multiple at once.

Workflow Execution

- Catch and response any failure with the visualized workflow execution steps

- Categorize or prioritize the workflow as a disaster recovery plan, simulation training plan, or etc.

- Run any workflow steps as the need.

SLA Compliance
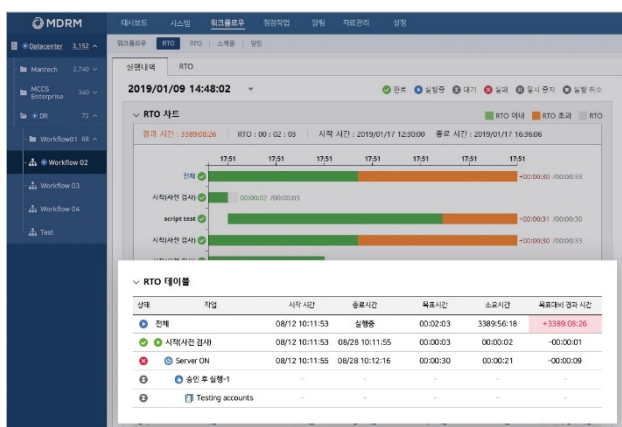
- Monitor RTO/RPO and the compliance level of each task or application.

- Discover the resource that violates SLA with the intuitive graphs.

Initial Program Load (IPL)
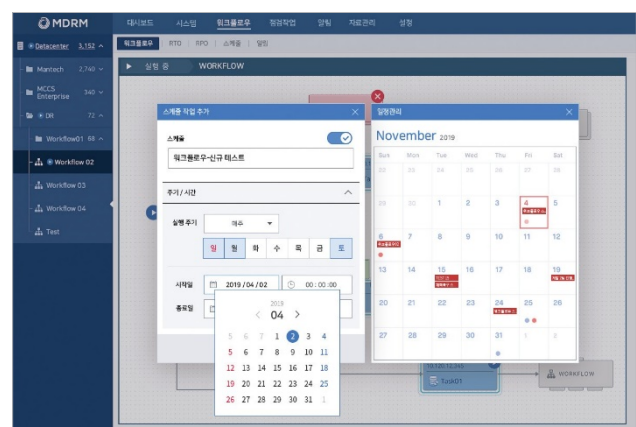
- Manage scheduled workflow tasks with the GUI.

- Create a schedule to run daily, weekly, or monthly.

Intuitive System Monitoring

- Integrated management or resource monitoring on the server, storage, or network for both production and the stand by system.

- Easily monitor and set the critical value of the system with a help of various monitoring plugins.
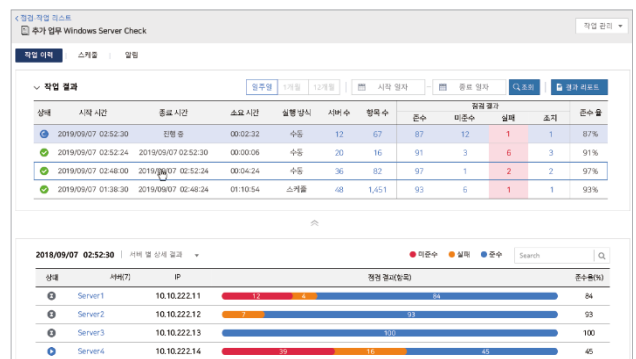
Multiple Alert System
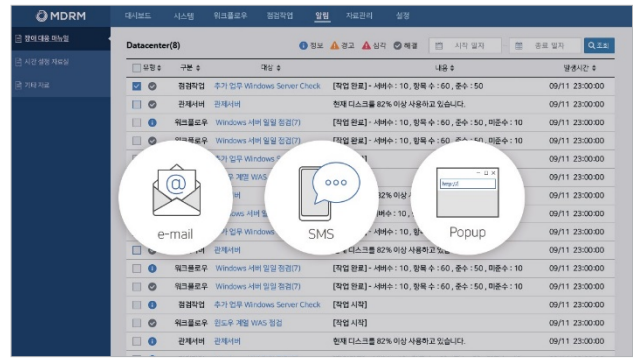
- Receive the system failure alert or the workflow/routine check result.

- Receive the alert via Email, SMS, or the popup message window.

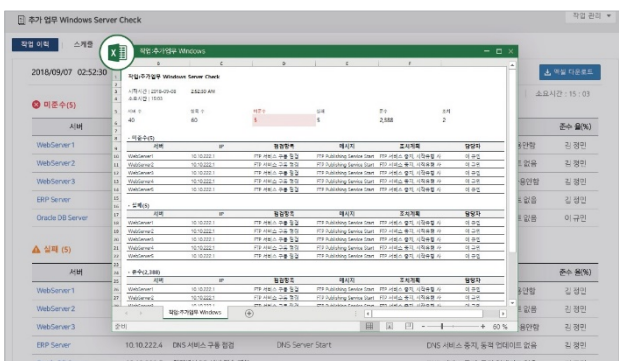## Manage Daily Routine Check Schedule
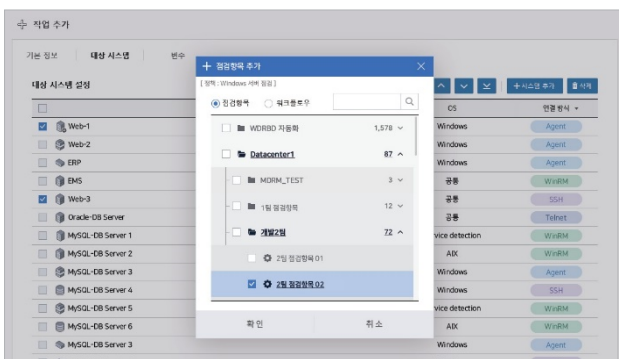
- Select a system or a module to create a schedule.

- Run the task by schedule or manually.
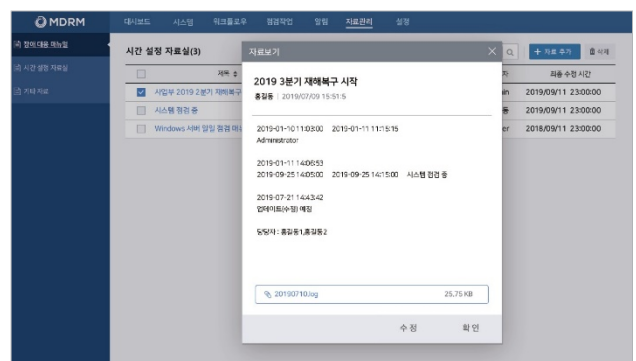
Daily Routine Check Report

- Receive a details task result report by servers and categories.

Report

- Save and download the workflow procedures or the task results as a spreadsheet file.
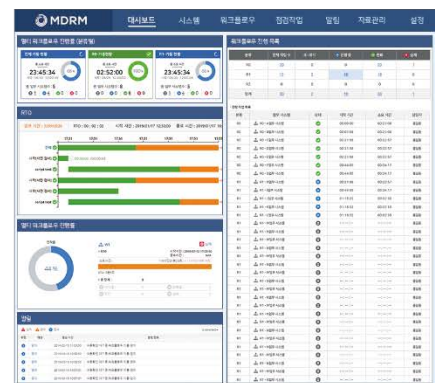
Document Management

- Manage various workflow procedures, business manuals or other documents to be referenced day-to-day operations or when an excepted event occurs.

Dashboard Customization

· Users can build their own dashboard with 30 or more provided widgets.
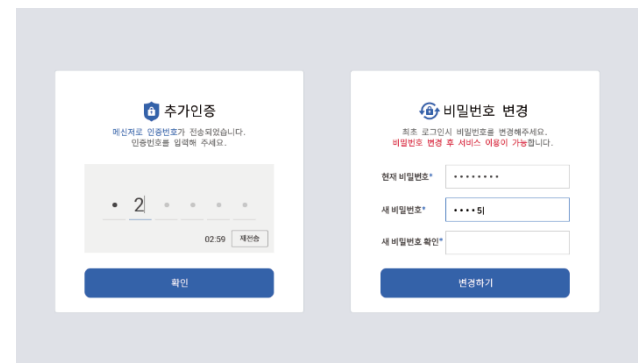
Individual & Situation Specific Dashboard

· Provides multiple dashboards based on individual accounts and circumstances (Resource Monitoring, Simulation Training, IPL and Daily Routine Checks)

Mobile UI Support

· Mobile platform allows user to monitor and control the workflow or scheduled tasks.

Advanced Security

· Two-factor authentication via Email or SMS

· Induce user to reset the password upon first login

· Periodic (90 days) Password Reset Alert

It's amazing what automation makes possible.

Operation

- Task or Worksite Automation
- Daily Routine Check Automation
- Various Component Template Provided
- User Permission Management
- RTO / PRO Management
- User-oriented GUI & Mobile platform provided

MDRM

Management

- Integrated multi-dashboard agreement
- User built dashboard with diverse selection
- Visualized Recovery Procedure
- System Status Monitoring
- Reports & Alerts System

Expected Outcome

50% or more RTO reduction
Secure stabilizing period by Automation

50% or more effective productivity
Broadcast or share the information with the integrated dashboard

Provides R&R based on the workflow
Risk Taking based on process level workflow

All In One Solution
Disaster Recovery & Administrative Control

Supported Environment

Operating System	Storage	Cloud / Virtualization	Database	Web Application	ETC
· Windows 2008	· SAN	· Vmware vSphere	· Oracle DB	· Weblogic	· NFS
· Windows 2012	· iSCSI	· MS Hyper-V	· Oracle RAC	· Websphere	· CIFS
· RHEL	· DAS	· RHV	· Oracle ADG	· Jeus	· Sendmail
· CentOS	· NAS	· Citrix Hypervisor	· MS-SQL	· JBoss EAP	· Samba
· Asianux	· PCIe type NAND	· Oracle VM	· DB2	· JBoss EWS	· Shareplex
· Oracle Linux	· EMC	· Amazon AWS	· SAP NetWeaver	· Tomcat	· OGG
· IBM PowerLinux	· Hitachi		· SAP Hana	· Apache	· DataGuard
· IBM AIX	· IBM		· MySQL	· IIS	· User application
· HP-UX	· HP		· MariaDB	· Nginx	
· Oracle Solaris	· NetApp		· PostgreSQL	· WebtoB	
· SUSE			· Tibero		
· Ubuntu			· Cubrid		
			· MongoDB		
			· Sybase		
			· Informix		