

A Framework for Requirements Maintenance

Complete, effective and low-overhead maintenance of your requirements management system is essential for the success of the development projects that you support. Effective use of automation is a key component of any large-scale maintenance plan. However, automation developed haphazardly over time can become a nightmare to maintain and evolve; especially as different administrators come and go.

DOORMat is an Application Framework for developing, managing and executing custom actions with a simple, detailed API to standardize and integrate DXL scripts from multiple sources.

DOORMat provides the ability to schedule and execute existing Batch Mode DXL scripts and can schedule and execute most any program that can be run in Windows.

DXL scripts that perform certain actions are registered with DOORMat as *Operations*.

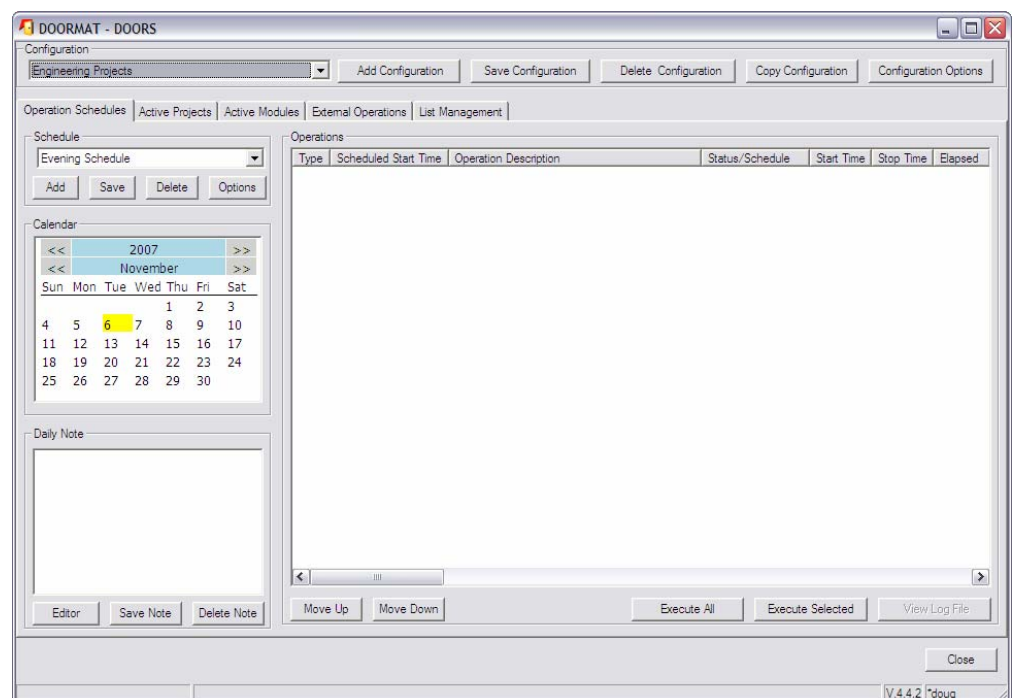
DOORMat does all the work of organizing, scheduling and executing these Operations, and includes facilities to:

- Write to a Centralized log file (with time stamp ability)
- Write to a Error Log (with time stamp ability)
- Display real-time progress on the DOORMat Status bar
- Save sets of Operations (including parameters) into *Operation Lists*
 - place the Operation list name in multiple Schedules
 - reflect changes to the list in all Schedules automatically

DOORMat can send various types of notifications (Failure, Warning, Start and Stop) in various formats (Email, Cellular Text Messages and Pagers) to indicate status to an entire team if necessary.

DOORMat provides an extensive library of *Services* available to all Operations:

- Calendar functions
- Date and Time functions
- Extensive string functions
- Timer functions
- Read/Write CSV File functions
- DOS File functions
- Email functions



Additionally, DOORMat provides a secure facility for sharing Operations across multiple DOORMat installations. DOORMat Operations are kept in individual files. Using the Telelogic encryption tool to safeguard your source code allows sharing of Operations at:

- Source code level (unencrypted) “Open source”
- Logic Level (encrypted but sharable)
- Secure Level (encrypted shareable only to predetermined DOORMat installations)

DOORMat completely conforms to DOORS security because it uses the same security rights as DOORS.

DOORMat comes prepackaged with a set of standard Operations. Write your own Operations or have us create them for you. We have already written and tested Operations that:

- **Link By Attributes:** Enhanced version of DOORS link by attribute feature
- **Module Statistics Reporting:** Create a report of various statistics for a given set of modules including the time required to open a module (an important indicator of system performance).
- **Disable Users/Groups:** Groups and/or users can be disabled to ensure access is controlled.
- **Remove Locks:** Remove Locks from modules automatically
- **Automatic Archives:** Automatically archive one or more projects
- **Shareable Sections:** Re-establish shareable sections automatically
- **Baseline & Purge:** Automatically baseline and purge Modules
- **View Exports:** Export any view automatically to a specific folder
- **Object/Link Management:** Automatically delete outgoing/incoming links and their respective objects
- **Trigger Verification:** Verify previously defined triggers are still active
- **Adaptive Update Imports:** Conduct mass updates via an excel spreadsheet. This Operation allows the definition of criteria necessary to have a spreadsheet imported automatically. A report is generated to provide an audit trail of the import.

DOORMat provides a heretofore unknown level of sophistication and efficiency to your DOORS maintenance activities.

Contact us for a demonstration or for participation in our beta testing program at (630) 365-1606, or visit www.itestqp.com.