



Enhancing Maximo with Automation Scripts Episode 1

Why Automation Scripts

- More complicated scenarios than OOTB configuration
 - Use configuration options when appropriate!
- Significant improvements over custom java
 - Speed of development
 - Application Availability (Uptime)

Defaulting Values on New Records

- Database default values
- Application default value control
- APPFIELDDEFAULTS
- Automation Script- Initialize (Object/Attribute)
- Automation Script- Save (Object)
- Automation Script- OBJECTNAME.NEW

Automation Script- Initialize (Object/Attribute)

- Fires anytime object/attribute is retrieved (not just new records)
 - Adds overhead which can be significant on large data retrievals
 - list tab, result sets, work centers, Anywhere, or integration
- Shows immediately for interactive user scenarios
- Don't typically recommend for defaulting values

Automation Script- Save (Object)

- Fires after the user has chosen to save the record
- Use Cases
 - Attribute(s) won't be modified by the user
 - Values depend on user entered criteria on other attributes
- Example: EMXQBRALL

Automation Script- OBJECTNAME.NEW

- Script has no launch point (name must match format)
 - Only supports 1 script
 - OBJECTNAME.DUPLICATE for handling duplicating of records
- Fires after core MBO add logic
- Our recommended approach
 - Fires only once and occurs immediately
- Example: LABTRANS.NEW

Object Deletion

- Processing (such as removal of related records)
 - Automation Script- Save (Object) launch point
 - Example: EMXREPORT.DELETE
- Validation (whether to allow a delete to occur)
 - Automation Script- Allow Object Deletion
 - Example: EMXPM.CANDELETE

Creating Attribute Lookups

- Table or Crossover domain
- Automation Script- Retrieve List (getList)

Automation Script- Retrieve List

- Great for conditional filters
 - Different filter on the list tab than on a record
 - Looking at related data sets
- Supporting values from multiple objects
 - RELATEDRECORD, WORKLOG, Service Provider Customer/Vendor on Person, etc.
- Replaces any existing configuration
 - Shouldn't use typically on out of the box attributes
- Example: EMXRELATEDWO.GETLIST

Automation Script- Action

- Can be used inside applications or background processes (Workflow/Escalation)
- 7.6.1.0+ can be used to interact with the legacy UI
 - Launch a dialog, interact with bean classes, etc.
 - No support inside of work centers (yet)
- Example: EMXGRANTALLSECURITY

Resources

- MORE Community: <https://moremaximo.com/>
- IBM Community:
<https://community.ibm.com/community/user/iot/communities/maximo-home>
- Maximo Java Docs:
<https://developer.ibm.com/assetmanagement/7609-maximo-javadoc/>
- MaxTECH User Group:
<https://community.ibm.com/community/user/iot/communities/globalgrouphome?CommunityKey=55ae6622-f2bd-4591-a11d-8c25306428c7>