



EXTENDING THE CIVIC PLATFORM WITH JAVASCRIPT

CERTIFICATION SERIES |
BRONZE
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COURSE AGENDA

COURSE AGENDA

- Introductions
- Goals
- Prerequisites
 - Introduction to 3.0 scripting eLearning module
 - codeacademy JavaScript primer
 - SCCS training eLearning module

COURSE AGENDA

- Introduction to scripting
- Environment and script deployment
- Debugging options
- Script development

COURSE AGENDA

- Group exercises
- DIY exercises
- Testing
- Conclusion

INTRODUCTION TO SCRIPTING WITH THE CIVIC PLATFORM

INTRODUCTION TO SCRIPTING

- EMSE and scripting basics
- Master scripts 3.0 deployment
- Lab exercises

WHAT IS EMSE?

- Event Manager & Script Engine (EMSE)
- Core Civic Platform feature
- Leverages Rhino implementation of JS

WHAT IS EMSE?

- Extends the functionality of Civic Platform
- Event Manager controls timing
- Script Engine performs actions

WHAT IS AN EVENT?

- User-triggered action
- Example: Clicking “Submit” button on a form
- More than 280 unique events defined in AA

Task Details

[Menu](#)[Submit](#)[Assign](#)[Reset](#)[Calculate Hours](#)[Cancel](#)[Help](#)

Sub Tasks (0)

Workflow Tasks

- + Application Acceptance
- + **Planning Review**
- + Building Review
- + Fire Review
- + Health Review
- + License Issuance

Task Details - Planning Review

Status *

Status Date *

01/12/2016

Hours Spent

Due Date

01/12/2016

There currently are no ad hoc tasks defined.

Assigned to Department
Administrator

Assigned to

Assigned Date
01/12/2016

Comments

Standard Comment

[check spelling](#)

Comment Display in ACA

 All ACA Users Record Creator Licensed Professional

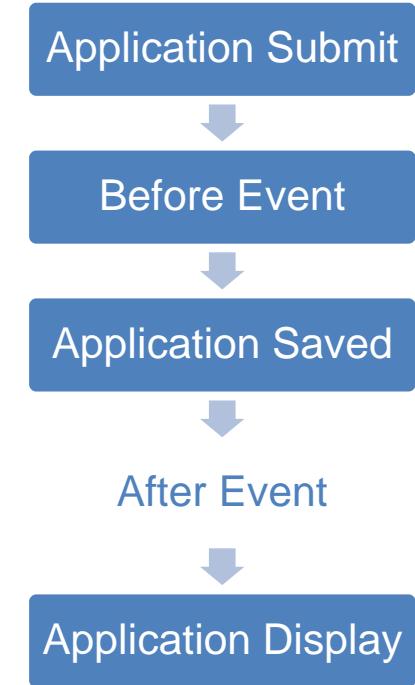
EVENT TYPES | BEFORE

- Event occurs PRIOR to database action
- Can be cancelled via script
- Typically used for validation
- EXAMPLE: ApplicationSubmitBefore



EVENT TYPES | AFTER

- Event occurs AFTER database action completes
- Typically used for automation
- EXAMPLE: ApplicationSubmitAfter



WHAT IS A SCRIPT?

- JavaScript code, stored in the database
- Execution requires attachment to
 - Event
 - Batch job
 - Script test or set

MASTER SCRIPTS

- Common across all agencies
- Provide framework for Business Script development
 - One script per event
 - Preloaded with common functions as business actions
 - Runtime environment preloaded with info about record, asset, inspection, workflow to trigger an event

BUSINESS SCRIPTS

- Defined for each individual agency
- Enforces their specific business rules using automation and validation

COMMON EVENTS USED IN MASTER SCRIPTS

- ApplicationSpecificInfoUpdateAfter
- ApplicationSpecificInfoUpdateBefore
- ApplicationSubmitAfter
- ApplicationSubmitBefore
- PaymentRecieveAfter

COMMON EVENTS USED IN MASTER SCRIPTS

- V360InspectionResultsSubmitAfter
- WorkflowTaskUpdateAfter
- WorkflowTaskUpdateBefore
- V360InspectionResultsSubmitBefore
- InspectionResultsSubmitAfter

Submit Save without Submit Validate Estimate Fee Reset Cancel Help

Record Detail * (This section is required.)

Application No. Type Permits/Commercial/Addition/NA

Application Name Commercial Construction

Detailed Description 30 story highrise|

check spelling

Events - Event List		Associated Script
Edit	Event	
•	ApplicationSubmitAfter	ApplicationSubmitAfterV3.0

File Edit View Insert Tools Window Help

*ASA;LICENSES!~!~!js X

```
1 editAppSpecific("Total Square Footage", 1000);|
```



Scripts - Script List

Edit Script Code

- ASA:CASEMANAGEMENT/CONSUMER COMPLAINT/*/*
- ASA:LICENSES/*/*/*
- ASA:LICENSES/*/*/APPLICATION
- ASA:LICENSES/*/*/RENEWAL
- ASA:LICENSES/*/*/TEMPORARY RENEWAL
- ASA:LICENSES/*/*/AREA RENTER/APPLICATION
- ASA:LICENSES/*/*/AREA RENTER/RENEWAL
- ASA:LICENSES/AMENDMENT/NA/DUPLICATE LICENSE
- ASA:LICENSES/AMENDMENT/NA/NAME CHANGE
- ASA:LICENSES/APPEARANCE ENHANCEMENT/*/*/APPLICATION
- ASA:LICENSES/APPEARANCE ENHANCEMENT/*/*/RENEWAL
- ASA:LICENSES/BARBER/*/*/APPLICATION
- ASA:LICENSES/BARBER/*/*/RENEWAL
- ASA:REVENUE/PAYMENT RECEIPT/NA/NA

BUSINESS SCRIPT EXAMPLES

- EXAMPLE: “Application Acceptance” workflow task leads to charging fee
- Task status must change to “Accepted” before the contractor fee is added



*WTUA;PERMIT!RESIDENTIAL!PLUMBING!NA.JS



INCLUDES_CUSTOM_GLOBALS.JS

```
1 if (wfTask == "Application Acceptance" && wfStatus == "Accepted"){
2     updateFee("BLD_010","BLD_GENERAL","FINAL",1,"Y","N");
3 }
```

BUSINESS SCRIPT EXAMPLES

- **EXAMPLE:** Balance owed on license application; permit not issued and user notified
- Task of “Permit Issuance” changes status to “Issue”
- Non-zero balance check prevent issuance and sends message to user to pay

*WTUB;LICENSE!BUSINESS!APPLICATION!NA.js

```
1 if(balanceDue > 0 && wfTask == "Permit Issuance" && wfstatus == "Issue"){
2     cancel = true;
3     showMessage = true;
4     comment("You cannot issue this license until all fees are paid.");
5 }
```

GLOBAL VARIABLES

- Event-dependent
 - Workflow: wfTask, wfStatus, wfDate
 - Inspection Result: inspType, inspResult, inspGroup
- Debug pop-up will show full list of global variables

Message

EMSE Script Framework Versions

EVENT TRIGGERED: WorkflowTaskUpdateAfter

SCRIPT EXECUTED: WORKFLOWTASKUPDATEAFTERV3.0

INCLUDE VERSION: 3.1.28

SCRIPT VERSION : 3

GLOBAL VERSION : 3

**WARNING: getting project parents: Project Parents Not Found: record ID: BC1-REC15-00000

**WARNING: Could not find parent license Cap for child CAP(REC15-00000-0000C):

EMSE Script Results for BU USA15-00003

capId = class com.accela.aa.aamain.cap.CapIDModel

cap = class com.accela.aa.emse.dom.CapScriptModel

currentUserID = ADMIN

currentUserGroup = LicensesAdmin

systemUserObj = class com.accela.aa.aamain.people.SysUserModel

appTypeString = Licenses/Business/Nightclub-Bar/Application

capName = bob

capStatus = In Review

fileDate = 11/16/2015

fileDateYYYYMMDD = 2015-11-16

sysDate = class com.accela.aa.emse.util.ScriptDateTime

TRAINING ENVIRONMENT & SCRIPT DEPLOYMENT

WHAT YOU'LL NEED

THE TRAINING PACKAGE

- LATEST MASTER [SCRIPTS](#)
- CIVIC PLATFORM 8.0 SCRIPTING [GUIDE](#)
- PDF COPY OF THIS PRESENTATION

GETTING STARTED

APPLICATION LOGIN

- <https://av.training.accela.com>
- Agencies: SCRIPT6 –
SCRIPT25
- admin / admin8

**IMPORTANT INFORMATION
REGARDING BROWSER SUPPORT**

Civic Platform 8.0

Will not support	Support Browsers
 Internet Explorer 8, 9, 10	  Internet Explorer 11
	 Google Chrome

For more information, read our [Browser Support Policy](#).

GETTING STARTED

INITIAL NAVIGATION

- Try to login
- Browse the various solution areas
 - Building/Residential/Electrical/NA
 - Building/Residential/New/NA
 - Building/Sign/Permanent/NA
- Classic Events

MASTER SCRIPTS DISTRIBUTION

NON-PRODUCTIZED

Maintained by Accela
Services

Download from Success
Community using
“Master Script
Distribution”

Latest version is 3.1.28

The screenshot shows a file download page on the Accela Community platform. The top navigation bar includes links for COLLABORATION, ANSWERS, HELP & TRAINING, CASES, IDEAS, GROUPS, and a SEARCH bar. On the left, there's a sidebar with options like 'Download zip (1.9 MB)', 'File Sharing Settings', and 'Flag as Inappropriate'. It also displays the file owner (John Schomp), last modified date (April 27, 2015), and the community it was shared in (Success Community). A 'VERSION 4' section shows a link to 'Show all versions' and a 'Show file report' button. The main content area features a large thumbnail for the file, which is described as 'Master Script Enterprise Scripts release distribution 3.1.28'. Below the thumbnail, a message states 'No preview is available for this file.' with a 'Learn more.' link. To the right, there are sections for 'FOLLOWERS' (showing 22 users) and 'SHARED WITH' (showing 'Your Community' and 'John Schomp').

MASTER SCRIPTS DISTRIBUTION

NON-PRODUCTIZED

Since 3.0, Scripts has a “`useCustomScriptFile`” variable that can be set in `INCLUDES_CUSTOM_GLOBALS` and Master Scripts

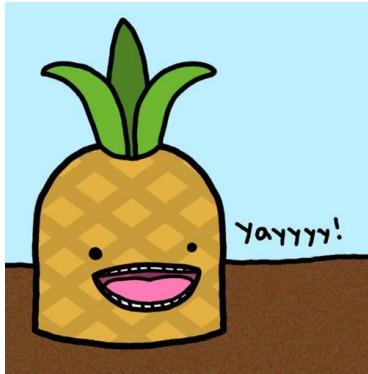
If `true`, `INCLUDES_CUSTOM` script = Events > Custom Script

`INCLUDES_ACCELA_FUNCTIONS`,
`INCLUDES_ACCELA_GLOBALS` stored in Events > Scripts

Events - Event List		Associated Script
Edit	Event	
	• ApplicationSpecificInfoUpdateAfter	ApplicationSpecificInfoUpdateAfterV3.0

LOADING SCRIPTS

NON-PRODUCTIZED



PREFERRED

Import Version-Controlled
copies from SVN/GIT
Repository.



MANUAL

Copy and paste from zip-file
contents or a productized
8.0.1 version.

MASTER SCRIPTS DISTRIBUTION

PRODUCTIZED

Maintained by Accela
Engineering

Installed with the product

All productized versions
prior to 8.0.1.0.0 are
EMSE 2.0

The screenshot shows a file distribution page on the Accela Community platform. The top navigation bar includes links for COLLABORATION, ANSWERS, HELP & TRAINING, CASES, IDEAS, GROUPS, and a SEARCH bar. On the left, there's a sidebar with options like 'Download zip (1.9 MB)', 'File Sharing Settings', and 'Flag as Inappropriate'. It also displays ownership information: 'Owned by John Schomp' and 'Last Modified April 27, 2015 at 12:59 PM' in the 'Community: Success Community'. Below this is a section for 'VERSION 4' with a 'Show all versions' link and a 'Show file report' button. A 'DESCRIPTION' section follows, containing text about the Enterprise Scripting Master Scripts 3.0 Beta Release and a link to a recorded walk-through. The main content area features a large thumbnail for 'Master Script Enterprise Scripts release distribution 3.1.28', which has a note stating 'No preview is available for this file.' A 'FOLLOW' button is located above the preview area. To the right, there are sections for 'FOLLOWERS' (showing 22 users) and 'SHARED WITH' (showing 'Your Community' and 'John Schomp').

MASTER SCRIPTS DISTRIBUTION

PRODUCTIZED

INCLUDES_CUSTOM script is stored in Events > Custom Script

INCLUDES_ACCEL_A_FUNCTION,

INCLUDES_ACCEL_A_GLOBALS stored in Events > Master Script

Events - Event List		
	Edit	Event
	Associated Script	
•	ApplicationSubmitBefore	ApplicationSubmitBeforeV3.0

WHICHEVER OPTION YOU USED,
LINK EVENTS TO THE NEW
MASTER SCRIPTS

EVENT ASSOCIATION

PRODUCTIZED

Bug Alert! In 8.0, make sure that you access Classic Admin from the new UI or aa.host.domain.com if associating Productized Scripts or they won't stay put.

Events - Event List			
Edit	Event	Associated Script	Last Modified Date
•	V360InspectionResultSubmitAfter		3/27/2016 by ADMIN
•	ApplicationSubmitAfter	ApplicationSubmitAfter (Master Script - 8.0.1.0.0)	3/27/2016 by ADMIN
•	InspectionMultipleScheduleBefore	InspectionMultipleScheduleBefore (Master Script - 8.0.1.0.0)	3/27/2016 by ADMIN
•	InspectionResultSubmitAfter	InspectionResultSubmitAfter (Master Script - 8.0.1.0.0)	3/27/2016 by ADMIN
•	WorkflowTaskUpdateAfter	WorkflowTaskUpdateAfter (Master Script - 8.0.1.0.0)	3/27/2016 by ADMIN
•	WorkflowTaskUpdateBefore	WorkflowTaskUpdateBefore (Master Script - 8.0.1.0.0)	3/27/2016 by ADMIN

STANDARD CHOICES

EMSE_EXECUTE_OPTIONS

- Activates Scripts,
Standard Choices, or
Both

Standard Choices Item Name: EMSE_EXECUTE_OPTIONS		
Description: (250 char max)		
<input type="text"/>		
Status: <input checked="" type="radio"/> Enable <input type="radio"/> Disable		
Type: <input checked="" type="radio"/> System Switch <input type="radio"/> Shared drop-down <input type="radio"/> EMSE <input type="radio"/> Business Configuration		
Standard Choices Value	Value Desc	Active
SCRIPT	<input type="text"/>	<input checked="" type="checkbox"/>
STD_CHOICE	<input type="text"/>	<input type="checkbox"/>

STANDARD CHOICES

EMSE_VARIABLE_BRANCH_PREFIX

- Event to prefix mapping, used to locate scripts for each event

Standard Choices Item Name: [EMSE_VARIABLE_BRANCH_PREFIX](#)

Description: (250 char max)

Status: Enable Disable

Type: System Switch Shared drop-down

Standard Choices Value	Value Desc
ApplicationConditionAddAfter	ACAA
ApplicationConditionDeleteAfter	ACDA
ApplicationConditionOfApproval	ACUA
ApplicationConditionUpdateAfter	ACUA
ApplicationDetailUpdateAfter	ADUA

STANDARD CHOICES

MULTI_SERVICE_SETTINGS

- Optional Custom Include file for all agencies within a Superagency

Standard Choices Item Name: MULTI_SERVICE_SETTINGS	
Description: (250 char max)	
Status: <input checked="" type="radio"/> Enable <input type="radio"/> Disable	
Type: <input checked="" type="radio"/> System Switch <input type="radio"/> Shared drop-down	
Standard Choices Value	Value Desc
AGENCY_LOGO_TYPE	USERINFOLOGO
ALLOW_SERVICE_LOCK_SCREEN	No
IS_SUPER_AGENCY	No
SUPER_AGENCY_FOR_EMSE	NYELS
SUPER_AGENCY_INCLUDE_S	INCLUDES_CUSTOM_ENTERPRISE

STANDARD CHOICES

EMSETOOLCONFIG

- To associate repository to agency.

Standard Choices Item - Edit

Use this form to set up a Standard Choices Item.

Standard Choices Item Name: EMSEToolConfig

Description: (250 char max)

Status: Enable Disable

Type: System Switch Shared drop-down EMSE Business Configuration

Standard Choices Value	Value Desc
agency_repo_password	yourpassword
agency_repo_username	yourusername
agency_url_svn	http://subversion.assembla.com/svn/emsecertification/trunk/YOURFOLDER

Buttons:

STANDARD CHOICES

MASTER_SCRIPT_DEFAULT_VERSION

- To use with Productized Master Scripts
- Locks down use of 3.0 compatible INCLUDES_ACCEL_A_FUNCTIONS (look for error “doScriptActions not defined”)

Standard Choices Item - Edit

Use this form to set up a Standard Choices Item.

Standard Choices Item Name: MASTER_SCRIPT_DEFAULT_VERSION

Description: (250 char max)

Status: Enable Disable

Type: System Switch Shared drop-down EMSE Business Configuration

Standard Choices Value	Value Desc
8.0.1.0.0	

Buttons:

CONFIGURATIONS

INCLUDES SCRIPTS

Install additional scripts as needed if using non-productized master scripts.

Install:

- INCLUDES_CUSTOM
- INCLUDES_ACCELA_FUNCTIONS
- INCLUDES_ACCELA_FUNCTIONS_ASB
- INCLUDES_ACCELA_GLOBALS

Events - Event List		Associated Script
Edit	Event	
	ApplicationConditionAddAfter	ApplicationConditionAddAfterV3.0
	ApplicationConditionDeleteAfter	UniversalMasterScriptV3.0
	ApplicationConditionOfApprovalUpdateAfter	ApplicationConditionUpdateAfterV3.0
	ApplicationConditionUpdateAfter	ApplicationConditionUpdateAfterV3.0
	ApplicationDetailUpdateAfter	UniversalMasterScriptV3.0
	ApplicationSpecificInfoUpdateAfter	ApplicationSpecificInfoUpdateAfterV3.0
	ApplicationStatusUpdateAfter	ApplicationStatusUpdateAfterV3.0
	ApplicationSubmitAfter	ApplicationSubmitAfterV3.0
	ApplicationSubmitBefore	ApplicationSubmitBeforeV3.0

GLOBAL SCRIPT

INCLUDES_CUSTOM_GLOBALS

Script Code: INCLUDES_CUSTOM_GLOBALS

Script Title: INCLUDES_CUSTOM_GLOBALS

Script Initializer:

Script Text:

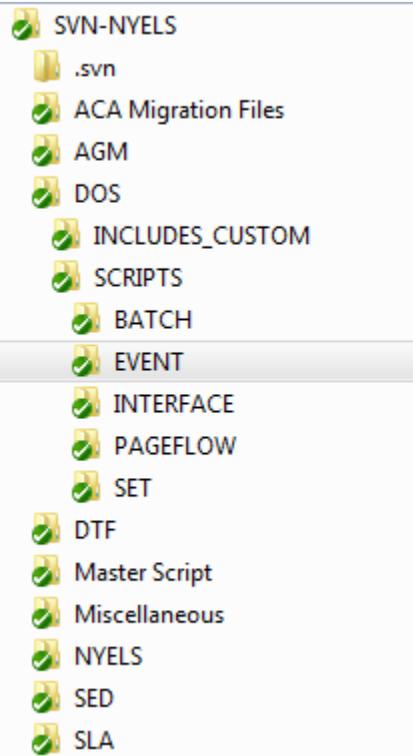
```
showDebug = false;

if (currentUserID == "SAXTHELM") showDebug = 3;
if (publicUserID == "PUBLICUSER51") showDebug = 3;

var envName = "DEV";
var sysFromEmail = "dos_noreply@eLicensing.ny.gov";
var acaUrl = lookup("ACA_CONFIGS", "OFFICIAL_WEBSITE_URL");
var schoolVerifEmail = false;
var LICENSESTATE = "NY";
```

- Store custom global declarations in this optional Script

LOCAL SCRIPT DIRECTORY



Documents library

EVENT

Arrange by: Fold

Name	Date modified	Type	Size
ASA;Licenses!Amendment!NA!Name Change.js	6/27/2013 4:03 PM	Notepad++ Docu...	
WTUA;Licenses!Amendment!NA!Name Change.js	6/27/2013 2:39 PM	Notepad++ Docu...	
CRCA;Licenses!~!Area Renter!Application.js	6/27/2013 12:31 PM	Notepad++ Docu...	
CRCA;Licenses!~!Area Renter!Renewal.js	6/26/2013 9:44 PM	Notepad++ Docu...	
WTUA;CaseManagement!Casel~!~.js	6/25/2013 8:48 AM	Notepad++ Docu...	
WTUA;CaseManagement!Consumer Complaint!~!~.js	6/25/2013 8:48 AM	Notepad++ Docu...	
WTUA;Licenses!~!~!~.js	6/25/2013 8:48 AM	Notepad++ Docu...	
CRCA;Licenses!~!~!~.js	6/18/2013 4:37 PM	Notepad++ Docu...	
CRCA;Licenses!~!~!Application.js	6/18/2013 4:37 PM	Notepad++ Docu...	
CRCA;Licenses!Barber!~!Application.js	6/18/2013 4:37 PM	Notepad++ Docu...	
EUA;Licenses!~!~!Application.js	6/18/2013 4:37 PM	Notepad++ Docu...	
ExaminationRosterUpdateAfter.js	6/18/2013 4:37 PM	Notepad++ Docu...	
WTUA;Licenses!Appearance Enhancement!~!Application.js	6/18/2013 4:37 PM	Notepad++ Docu...	
WTUA;Licenses!Barber!~!Application.js	6/18/2013 4:37 PM	Notepad++ Docu...	

Use sample folder structure for script and function storage



DEPLOY TO CIVIC PLATFORM

- Store scripts in the file system using naming convention
- Load to Events > Scripts, named exactly as variable branching

DEPLOY TO CIVIC PLATFORM

The screenshot illustrates the deployment process from a local environment to a central repository.

Project Explorer: Shows the local file structure. A red box highlights the script `ASA;LICENSES!ANNUAL!APPLICATION!NA.JS` under the `Event 166` folder.

EMSE Repository Root: Shows the target structure in the Civic Platform repository. The highlighted script is located at the path `ASA;LICENSES!ANNUAL!APPLICATION!NA`.

Scripts - Script List: A table showing the deployed script details.

Edit	Script Code	Script Title
•	ASA;LICENSES!ANNUAL!APPLICATION!NA	ASA;LICENSES!ANNUAL!APPLICATION!NA

DEBUGGING OPTIONS

DEBUGGING OPTIONS

aa.print

aa.print(string) will display in script test

Script Text:

```
capId = aa.cap.getCapID("12CAP-00000007").getOutput();
aa.print("here is aa.print. My capId is " + capId)
```

<

Submit

Script Output (script debug output will appear in this box when you

```
here is aa.print. My capId is 12CAP-00000-0001F
```

DEBUGGING OPTIONS

aa.print

as well as at the bottom of Master Script debug output

```
Finished: ApplicationSpecificInfoUpdateAfter, Elapsed Time: 0.047 Seconds
```

```
Script APPLICATIONSPECIFICINFOUPDATEA
```

```
here is aa.print. My capID is 12CAP-00000-0001F
```

DEBUGGING OPTIONS

aa.print

In order to view, the script must successfully complete

Script Text:

```
aa.print("this is a valid statement");
aa.print(i_am_not_valid_because_im_not_declared);
```

Submit

Script Output (script debug output will appear in this box when you submit this form):

An error occurred while running your script.

ErrorType: com.accela.aa.emse.util.AAScriptSyntaxException

DEBUGGING OPTIONS

aa.debug

aa.debug will only display in the BIZ log file

```
// test the aa.debug statement  
  
aa.debug("here is a debug statement", "my capId is " + capId);
```

DEBUGGING OPTIONS

aa.debug

Debug output will appear in the log file, even if the script aborts

```
2012-04-10 14:21:47,936 INFO [STDOUT] =====EMSE Debug Out===== here is a debug statement : my capId is 12CAP-00000-0001F
```

2012-04-10 14:21:47,936 INFO [STDOUT]

```
=====EMSE Debug Out===== here is a debug statement : my capId is 12CAP-00000-0001F
```

DEBUGGING OPTIONS

showDebug

- Let the Master Script handle debugging for you
- Most MS functions will output some debugging messages
- The MS flow will be logged with timing

DEBUGGING OPTIONS

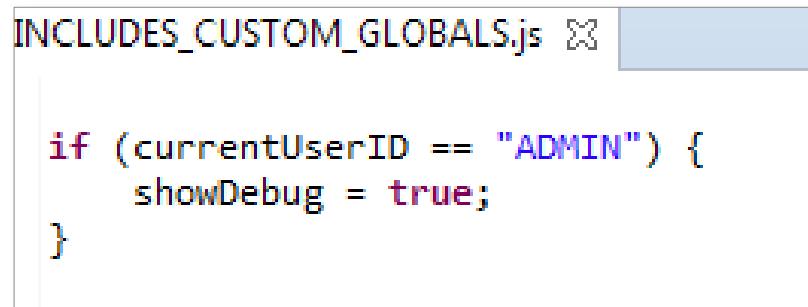
debugLevel

- debugLevel = 0 (or false)
 - // no output
- debugLevel = 1 (or true)
 - // only screen output
- debugLevel = 2
 - // output only to biz server log
- debugLevel = 3
 - // output to screen and biz log

DEBUGGING OPTIONS

showDebug

- Default has been false (0) since 2.0 MS release
- Defaults stored in **INCLUDES_ACCEL_A_GLOBALS**
- **INCLUDES_CUSTOM_GLOBALS** should be used to set debugging options



```
INCLUDES_CUSTOM_GLOBALS.js ✘
```

```
if (currentUserID == "ADMIN") {  
    showDebug = true;  
}
```

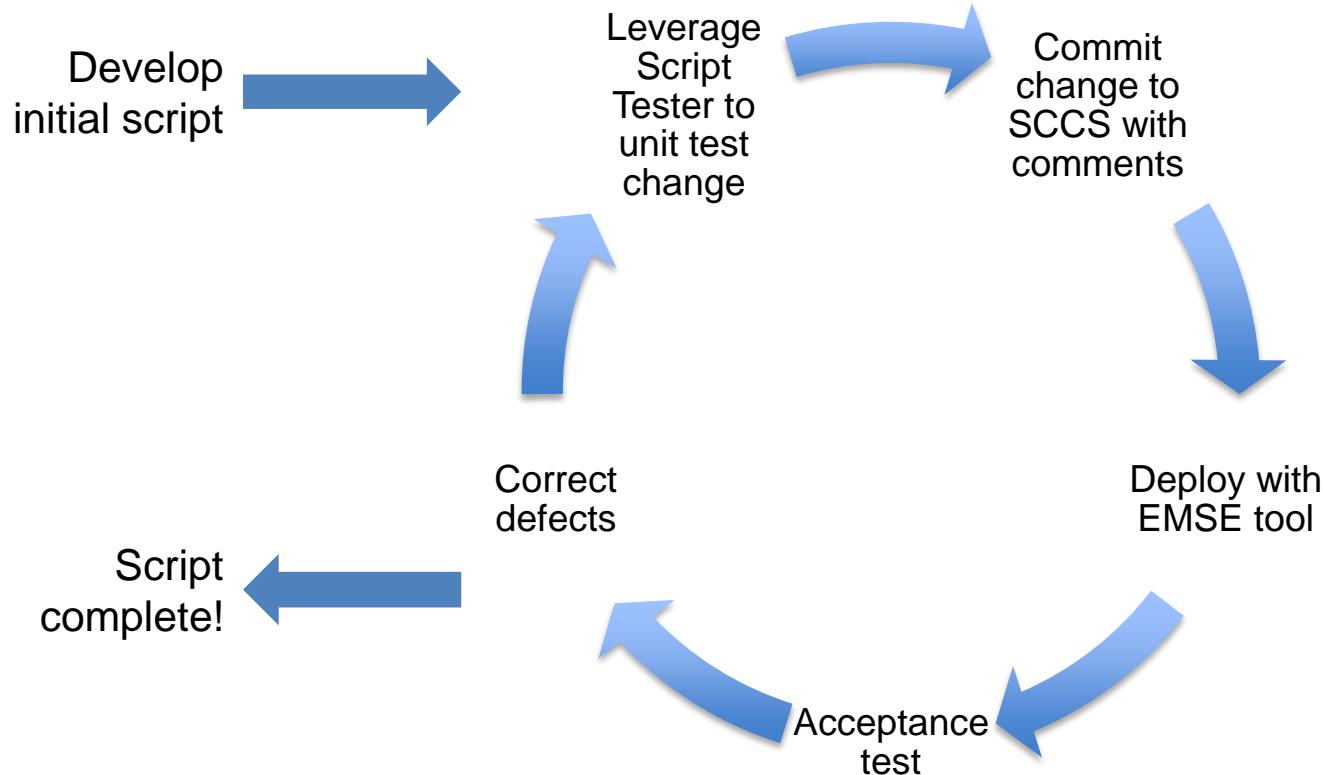
DEBUGGING OPTIONS

showDebug

- Can be set dynamically during script execution, but must be set greater than 0 to receive debug popup
- Looks for ****ERROR**** to send abort
ScriptReturnCode = 1 back to event

SCRIPT DEVELOPMENT

EVENT SCRIPT LIFECYCLE



OVERVIEW

- What is Script Test?
- What is `scriptester.js`?
- Code using Script Test

OVERVIEW

- The development lifecycle
- Testing batch jobs
- Debugging using Script Test

WHAT IS SCRIPT TEST?

- Feature for immediately executing JavaScript code
- Full access to the EMSE API
- Rolls back database transaction by default

Script Test

Warning: Improperly written scripts may incorrectly alter data for many records. Always be careful when writing and testing scripts.

Enter the script to test.

Script Transaction: 

Script Initializer:

```
< >
```

Script Text:

```
< >
```

Submit

Script Output (script debug output will appear in this box when you submit this form):

```
< >
```

ERRORS OCCUR – HOW DO WE DEBUG?

SO... WHAT HAPPENED?

- Engine usually stops, generating error message
- Syntax errors, human error typos
- Incorrect input errors

TRY / CATCH / THROW

INTRODUCED IN ACCELA AUTOMATION 7.3

- Define a specific block of code to test for any error(s)
- Include any new custom functions required by the code block

TRY / CATCH / THROW

INTRODUCED IN ACCELA AUTOMATION 7.3

- Always paired with TRY statements
- If an error occurs in the TRY code execution, CATCH provides instructions on what to do or how to handle it

TRY / CATCH / THROW

INTRODUCED IN ACCELA AUTOMATION 7.3

- Allows you to raise (throw) an exception
- Can be a string, number, Boolean or object

TRY / CATCH / THROW REVIEW

INTRODUCED IN ACCELA AUTOMATION 7.3

- TRY statement lets you test a block of code for errors
- CATCH statement lets you handle an error
- THROW statement lets you create custom errors

scriptTester.js

- Included with MasterScript 2.0 and 3.0 distribution
- Loads script environment for any record

scriptTester.js

- Simulate an event and run all scripts, or test development code
- 3.0 wraps all user code in TRY / CATCH blocks to streamline identifying and resolving runtime errors

```
1 var myCapId = "1";
2 var myUserID = "Admin";
3
4 /* ASA */ var eventName = "ApplicationSubmitAfter";
5 /* WTUA */ //var eventName = "WorkflowTaskUpdateAfter"; wfTask = "Application Submitted";
6 /* IRSA */ //var eventName = "InspectionResultSubmitAfter"; inspResult = "Failed";
7 /* ISA */ //var eventName = "InspectionScheduleAfter"; inspType = "Roofing";
8 /* PRA */ //var eventName = "PaymentReceiveAfter";
9
10 var useProductScript = false; // set to true to use the "productized" master script
11 var runEvent = true; // set to true to simulate the event and run all std choices
12
13 /* master script code don't touch */ aa.env.setValue("EventName",eventName);
14
15 //
16 // User code goes here
17 //
18
19 try {
20     showDebug = true;
21
22 }
23
24 catch (err) {
25     logDebug("A Javascript Error occurred: " + err.message);
26     }
27 // end user code
28 aa.env.setValue("ScriptReturnCode", "1");  aa.env.setValue("ScriptReturnMessage", debug);
```



Connecting Citizens and Government