

Mainframe IT Automation

Introducing CA OPS/MVS Event Management and Automation Release 12.2

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CA OPS/MVS Event Management and Automation

Release 12.2

■ **General Availability**

- Incremental release available June 2014
- Complete release available November 2014

■ **Objectives**

- Extend Sysplex awareness, High availability
- Improve usability, land lighter
- Enable cross-platform, cross-enterprise interoperability
- Visualize through mobile
- Extend, simplify the toolkit

Extend Sysplex Awareness, High Availability

Consolidated OPSLOG across multiple LPARs

SSM Global Application Sysplex improvements



On Demand Consolidated OPSLOG

Simplifies Debugging Problems Spanning Multiple Systems

```
CA11 --- OPSLOG Merge Panel ----- OPST -- Row 1 to 3 of 5
Command ==> _____ Scroll ==> CSR
Specify input fields, time criteria, method and system selection then
type GO or MERGE to process or PF3 to EXIT.
```

Filter: _____

```
Merged Opslog Name   ==> MERGED#LASMT01      Reset: N  Create: N
Work DSNNAME Prefix  ==> LASMT01             Save Data: N
Allocation Parms     ==>
```

Time Criteria:

```
          YYYY/MM/DD   HH:MM   or LASTMINS
Start ==> 2015/01/12   16:41       0
End   ==> 2015/01/12   16:42
```

Extract Method:

```
Method ==> OSF      (OSF,STC)
STCname ==> _____
Timeout ==> 60
```

```
System Selection Criteria:      Select Local PLEXNAME N (Y/N)
Specify S to select the desired systems for Opslog extraction or
U to unselect systems.
```

Sel	Ident	Loc	Plexname	Smfid	Subsys	Action	DDMMM	HH:MM
—	OPS11T	LOCAL	PLEXC1	CA11	OPST		12JAN	10:53
—	OPS31T	REMOTE	PLEXC1	CA31	OPST		12JAN	15:43
—	OPS31TA	REMOTE	PLEXC1	CA31	OPST		12JAN	15:43

On Demand Consolidated OPSLOG

default

QWS3270 Edit View Options Tools Help

OPSLOG Browse ----- CA11 ----- OPSVIEW ----- 16:49:56 29APR2014 COLS 001 106
Command ==> Scroll ==> PAGE

Data set being used: BOYTH02.TEST3RES

Date	Time	SYSNAME	Job Name	-----1-----2-----3-----4-----5-----6-----7-----8-----9-----10-----
29APR	16:49:56	CA31	QV3WR77	IEF233A M 3526,105604,,QV3WR77,DEL4
29APR	16:49:56	CA31	QV3WR77	STK Exit 1 Non-Silo Drives Selected
29APR	16:49:56	CA31	QV3WR77	CTS009 IEF233A M 3526,105604,,QV3WR77,DEL4,SVTS120.QASVT3.G4177.VB
29APR	16:49:56	CA31	QV3WR77	STK Exit 1 Non-Silo Drives Selected
29APR	16:49:56	CA11	CCISLGLW	CAS9855I Task 1 connecting to peer USI161ME(141.202.65.61):1721
29APR	16:49:56	CA11	CCISLGLW	CAS9899W Task 1 - A61SENF USI161ME not available...waiting
29APR	16:49:56	CA31	QV3WR77	IEF234E K 3526,105604,PVT,QV3WR77,DEL4
29APR	16:49:56	CA31	QV3WR77	STK Exit 1 Non-Silo Drives Selected
29APR	16:49:56	CA31	QV3WR77	CTS014 IEF234E K 3526,105604,PVT,QV3WR77,DEL4
29APR	16:49:56	CA31	QV3WR77	STK Exit 1 Non-Silo Drives Selected
29APR	16:49:56	CA31	QV3WR77	CAJR251I DEL4 35 IEFBR14 0000 \$.00 0 00:00:00.18 00:00:00.00 0 0 0
29APR	16:49:56	CA31	QV3WR77	IEF196I CAJR251I DEL4 35 IEFBR14 0000 \$.00 0
29APR	16:49:56	CA31	QV3WR77	IEF196I 00:00:00.18 00:00:00.00 0 0 0
29APR	16:49:56	CA31	QV3WR77	IEF233A M 351F,104904,,QV3WR77,DEL5
29APR	16:49:56	CA31	QV3WR77	STK Exit 1 Non-Silo Drives Selected
29APR	16:49:56	CA31	QV3WR77	CTS009 IEF233A M 351F,104904,,QV3WR77,DEL5,SVTS120.QASVT3.G4177.COMPSRT
29APR	16:49:56	CA31	QV3WR77	STK Exit 1 Non-Silo Drives Selected
29APR	16:49:56	CA31	NET	IST663I IPS SRQ REQUEST FROM ISTAPNCP FAILED, SENSE=08570003
29APR	16:49:56	CA31	NET	IST664I REAL OLU=USILDA01.LSKFB8G1 REAL DLU=USILDA01.GQACICS4
29APR	16:49:56	CA31	NET	IST889I SID = FB47141309DCFE6
29APR	16:49:56	CA31	NET	IST264I REQUIRED RESOURCE GQACICS4 NOT ACTIVE
29APR	16:49:56	CA31	NET	IST314I END
29APR	16:49:56	XE61	EBAA	ESP6108I EVENTEX: ESPQA.REL513A scheduled, for Job NREL513A.CLEANUP in Appl NREL513A.169, Unconditional
29APR	16:49:56	XE61	EBAA	EBAA__1159I Application NREL513A Generation 169 is now Complete
29APR	16:49:56	CA31	QV3WR77	IEF234E K 351F,104904,PVT,QV3WR77,DEL5
29APR	16:49:56	CA31	QV3WR77	STK Exit 1 Non-Silo Drives Selected
29APR	16:49:56	CA31	QV3WR77	CTS014 IEF234E K 351F,104904,PVT,QV3WR77,DEL5
29APR	16:49:56	CA31	QV3WR77	STK Exit 1 Non-Silo Drives Selected
29APR	16:49:56	CA31	QV3WR77	CAJR251I DEL5 36 IEFBR14 0000 \$.00 0 00:00:00.19 00:00:00.00 0 0 0
29APR	16:49:56	CA31	QV3WR77	IEF196I CAJR251I DEL5 36 IEFBR14 0000 \$.00 0
29APR	16:49:56	CA31	QV3WR77	IEF196I 00:00:00.19 00:00:00.00 0 0 0
29APR	16:49:56	CA31	QV3WR77	CAJR251I ALLO 37 IEFBR14 0000 \$.00 0 00:00:00.10 00:00:00.00 0 0 0
29APR	16:49:56	CA31	QV3WR77	IEF196I CAJR251I ALLO 37 IEFBR14 0000 \$.00 0
29APR	16:49:56	CA31	QV3WR77	IEF196I 00:00:00.10 00:00:00.00 0 0 0
29APR	16:49:56	XE61	EBAA	ESP6108I EVENTEX: ESPQA.REL507A scheduled, for Job NREL507A.VERIFY in Appl NREL507A.169, Unconditional
29APR	16:49:56	CA31	QV3WR77	TSS7000I MATR008 Last-Used 29 Apr 14 09:12 System=CA31 Facility=TSO

Connected to 141.202.66.55 port 23

2/15 CAPS 12:58:23 IBM-DYNAMIC - A55T7295

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The OPSLOG Function New Features

- OPSLOG function additional options
 - EXTOPMO option code -- added as part of the OPSLOG merge story to allow creation of merged files from different systems.
 - DDNAME keyword -- added to allow the function to save data to a dataset.
- `CNT = OPSLOG('EXTOPMO TIME(-120) DDNAME(MYDD)')`
 - Format of the function call with new options
 - MYDD ddname must be a fixed blocked LRECL=384 dataset open for output.
 - **This call will put all messages from the last two minutes into that dataset from the current system.**
 - Variable CNT will receive the number of records transferred.

The New OPSLOGMG Function

- Allows you to load an active, read-only OPSLOG with data from a dataset created by the OPSLOG(EXTOPMO..) function
- CNT=OPSLOGMG('LOAD LOGNAME(MLOG) DDNAME(INPUT) RESET SUBSYS(OPSS)')
 - Format of the new function call
 - Result from call is that the variable CNT will contain the number of records loaded to the OPSLOG logname MLOG.

SSM Global Application Version 2

Sysplex Improvements

Differences from SSMGA

- All participating systems must be in same SYSPLEX
 - Minimizes use of Multi-System Facility
- Uses OPSVASRV() to store cross system data
 - No need to manage GLOBAL system
 - No need to replicate data of moveable resource
- Manage moveable resources in OPSVIEW 4.11.2
 - New OPSVIEW 4.11.G2 panel
- Documentation:
 - OPS/MVS User Guide
 - OPS/MVS OPSVIEW User Guide

Improve Usability, Land Lighter

Enhanced customer policy simulation/testing

Simplified OPSLOG archival

Improved SSM Usability



AOFTTEST MLWTO -- Initial screen – MLWTO test results

```
QWS3270 Edit View Options Tools Help
AOF Test MSG MLWTO ----- CA11 --- OPSVIEW --- 04:40:56 05FEB2014 COLS 001 070

REXX Trace ==> N Live Commands ==> NO Access Auto Test Data ==> _ (Y/N)

Msg Id: GSVX321W Msg Disp: Normal Hardcopy Log: Yes
Jobname ==> CONSOLE IMS ==> NONE
Job Id ==> S53407 ExitType ==> MVS
MSF Sys ==> OPS11G Console Id ==> 0
User ==> Console Nm ==> INTERNAL
Sys Id ==> CA11 MCS Flags ==> 805200
Special Ch ==> Descriptor ==> 0200
Route ==> 0020000000000000000000000000000000
Term Name ==> Report Id ==>
Primary Line ==> GSVX321W (MVSDATA) THRESHOLD DEVICE DEVSERV MVXE04 WARNING

TAB and Hit Enter to see Data Lines of GSVX321W MLWTO

Time -----1-----2-----3-----4-----5-----6-----7
04:40:56 FUNCTION=BPX4AIO ERRNO=0000008C ERRNOJR=76697242
04:49:15 GSVX321W (MVSDATA) THRESHOLD DEVICE DEVSERV MVXE04 WARNING
04:49:15 V=0.038693 W=0.037500 P=0.050000 UPPER 00:09:58 * *
Command ==> Scroll ==> 0003
*OP20TSM
```

API Event Rule Support in AOF TEST

AOF TEST facility allows to test API rules

- Supported events:
 - Insight DPM Exception manager
 - Insight DPM IQL Request
 - CA SYSVIEW MVS, CICS, IMS, TCP/IP, MQ events
 - CA Workload Automation ESP and CA Workload Automation CA 7
 - General event
- API event variables:
 - Common API event variables - Application, Id, Color, Level, User, Version, Text
 - Specific API event variables – application-defined variables
 - User and Color variables are read/write variables, all other variables are read-only

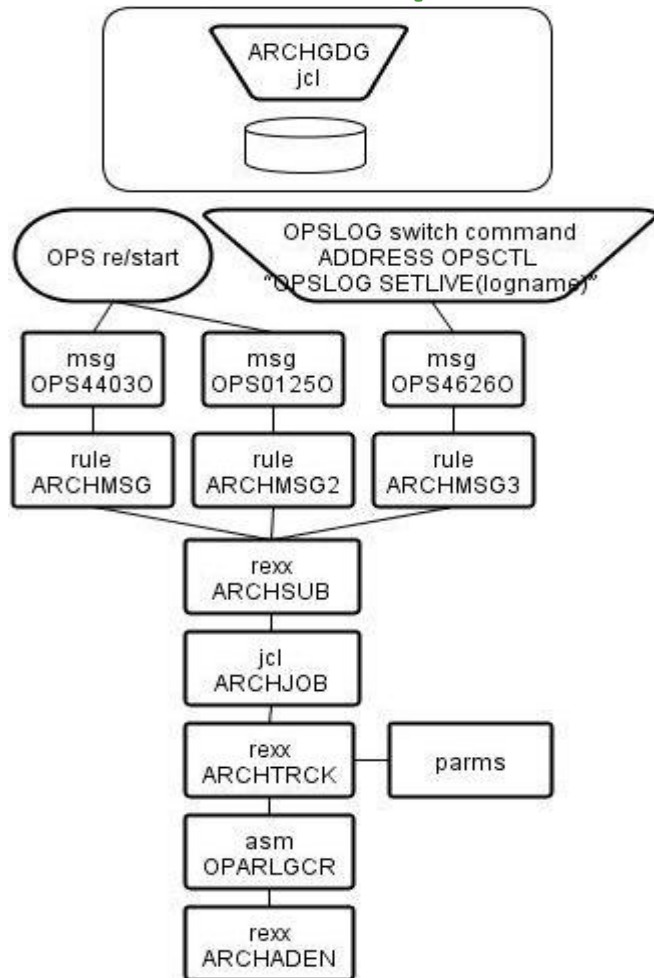
AOF TEST – Do Not Leave “LIVE” as Default

Default value of the field “Live Commands” was changed to NO

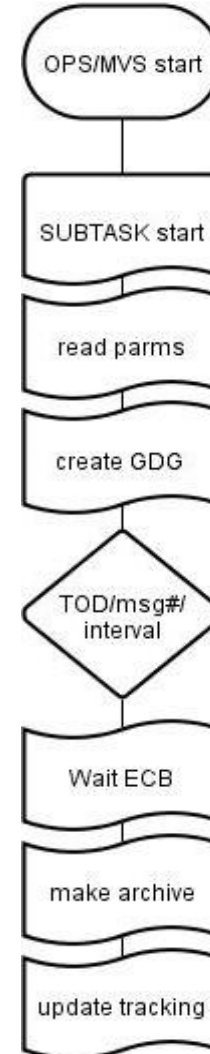
- When entering **AOF Test** panel the default value of “Live Commands” is NO to prevent the accidental issuing of commands
- When changed to YES, the value remain unchanged until return to **AOF TEST - Rule List** panel

Simplified OPSLOG Archival Process

Old archival process



New archival process



Triggers for the OPSLOG Archival Process

New archive process	Old archive process – analogy
During initialization	OPS0125O, ARCHMSG3 - removed in 12.1
Switch from live OPSLOG to another one	OPS4626O, ARCHMSG2
Number of messages sent to OPSLOG	OPS4403O, ARCHMSG
Time of day	Using TOD rule
Time interval after initialization	Using TOD rule

Main features of new archive process:

- All parameters in one place – OPSS00PA member (4.1.1 OPSVIEW)
- Automatic GDG base and GDG model allocation
- New ARCH subtask schedules archive triggering
- ARCHIVETRIG parameter controls triggering - #msgs/+hh:mm/hh:mm
- Space allocation settings determined by BROWSEMAXINUSE parameter

Added "EDIT ACTIONS" Field to SSM Table Editor Point and Shoot

```
tpx.ca.com
QWS3270 Edit View Options Tools Help

SSM Table Edit----- CA11 -- O P S V I E W ----- Subsystem OPSL
Command ==> _____ Scroll ==> CSR
Wait ==> 10

System: *_____ SSM Table: SSM_MANAGED_TBLS Mode: ACTIVE Version: 2
RES Table: JOECICS Mode: ACTIVE TNG: NO

----Properties-----
Name : JOESSM40
Mode : ACTIVE
Type : CICS
Jobname: JOESSM40
TNG : N/A
Actmode: ACTIVE
Movmode: WTOR
Schmode: _____

-----States-----
Current : DOWN
Desired : DOWN
Chkpoint: DOWN
IPL : DOWN
Previous: _____

-----Action Limit Data-----
Counter : N/A
Process : N/A
Timestamp: N/A

Systems: ---Primary--- ---Current--- ---Desired---
CA11.OPSL CA11.OPSL CA11.OPSL

----Control-----
--- Edit Other Columns Not Displayed Edit Actions -----

----Prerequisites-----
Premode: ACTIVE Refmode: ACTIVE (Active/Inactive/Prereq/Subreq)
Prereqs: _____
Edit > _____
Missing: _____
> _____
> _____
> _____

----SSMGA Alternate System and Group Lists-----
Systems: CA31.OPSL
Edit > _____
Groups : MOVECICS
Edit > _____

----Resource Text-----
: _____
> _____

Hit Enter to update or PF3 to end. PF10=PREV PF11=NEXT

Connected to tpx.ca.com port 23
2/15
17:43:12 IBM-3278-4-E - A55T4861
```

Navigate to 'Edit Actions' Panel

```
tpx.ca.com
QWS3270 Edit View Options Tools Help

SSM Resources -- CA11 ----- O P S V I E W ----- Sub Row 1 of 7
Command ==> _____ Scroll ==> CSR

VIEW Resource Action Selection on System: *_____ Wait: 10_
Resource Table: JOECICS Ver: 2
Action Table : JOEACT Ver: 2
State Names Up: UP Down: DOWN Unknown: UNKNOWN
Resource Name : JOESSM40 Type: CICS

Sel Process Current Desired Actmode Resource Table Resource Name/Type
---
-----
----- JOECICS JOESSM40
-----
ACTION DOWN UP
MVSCMD ("START &JOBNAME")

-----
ACTION UNKNOWN
RULE ("SSMSTATE TABLE (&SSMTABLE) NAME (&NAME) TYPE (&TYPE) JOBNAME (&JOBNAME) D
ESIRED (&DESIRED_STATE) ")
-----
ACTION UP DOWN
MVSCMD ("STOP &JOBNAME")

-----
MATCH DOWN MOVING
SETCOL ("ACTMODE,ACTIVE"); RULE (SGMOVRS1 &SSM!TABLE &SSM!NAME")
-----
SELECT
PROCESS ("XPREREQ,XSUBREQ,MATCH")
-----
XPREREQ
RULE ("SSMG2PRX &SSM!PROCESS &SSM!PREREQ PRERES (&SSM!RESNAME) ")
-----
XSUBREQ
RULE ("SSMG2PRX &SSM!PROCESS &SSM!XRESNAME")
-----

Connected to tpx.ca.com port 23 12/2 17:43:52 IBM-3278-4-E - A55T4861
```

SSM Verification Mode

New option in OPSVIEW 0.1

- SSM Verify mode ==> N (A/M/N)
 - A - confirm commands verification: S,Z,C,U,W,Q,R
 - M - confirm multi-resource commands: W,Q,R
 - N - no confirmation for line commands

OPSVIEW -- SSM Command Verification Example

- Improvement to SSM resource management 4.11.*
 - New confirmation box for “W” line command (Stop resource and all dependent resources by setting desired states to DOWN) if SSM Verify Mode = A or M

```
SSM Resource - CA11 - O P S V I E W --- Row 1 to 2 of 2

Confirm you want to stop the selected resource and all
dependent resources.

Press ENTER to confirm the operation.
Enter END command to cancel the operation.

Selected resource:  FRENZY.MICSSM1
Current state:      UP
# of dependencies:  2

***** List of dependent resources *****
Resource Name      Current
-----
FRENZY.MICSSM2      UP
FRENZY.MICSSM3      UP
***** Bottom of data *****

Command ==>  _          Scroll ==>  PAGE
F1=HELP      F2=SPLIT    F3=END      F4=RETURN
F5=RFIND     F6=RCHANGE  F7=UP       F8=DOWN
```

Enable Cross-platform, Cross-enterprise Interoperability

Inbound RestFul Web Services to

- Query RDF table data
- Run OPS/REXX automation
- Generate an event for OPS/MVS rules processing



Inbound RestFul Web Services

- Allows customers to reach into
 - the mainframe and kick off automation policy
 - OPS/MVS data to incorporate into custom written web displayable reports
- Designed using RESTful principles
 - Stateless web interface; neither the server or client cache anything
 - Uses HTTP methods to map the action (GET = retrieve data, POST = request with XML)
 - Uses URIs that mimic the structure of the resources being requested
 - Returns the response as an XML document
- Requires authentication
 - z/OS credentials BASE64-encrypted over HTTP protocol – authenticated by code on server side
 - HTTPS (TLS setup on Tomcat)

RestFul Web Services to Retrieve An RDF Table's Column Names and Data



CA OPS/MVS™ QA HTTP Testing Application

CA Technologies, Inc.
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Request
URI:

https://ca31:38443/opsmvs/web/tables/DEMOX31/*

POST Payload:

Back

GET

POST

OPTIONS

HEAD

Response Headers:

HTTPStatus: 200 (OK)

Content-Type: application/xml;charset=UTF-8

Content-Length:

Response Body:


☒ Formatted Data ☐ Show XML ☐ Raw Data

DEMOX31

NAME	JOBNAME	CURRENT_STATE	DESIRED_STATE	PRIMARY_SYSTEM	CURRENT_SYSTEM	DESIRED_SYSTEM
CICSAOR31	DEMOX5	UNKNOWN	UNKNOWN	CA31.OPSX	CA31.OPSX	CA31.OPSX
DB2	DEMOX4	UNKNOWN	UNKNOWN	CA31.OPSX	CA31.OPSX	CA31.OPSX
JES2	DEMOX1	UNKNOWN	UNKNOWN	CA31.OPSX	CA31.OPSX	CA31.OPSX
TCPIP31	DEMOX3	UNKNOWN	ACTIVE	CA31.OPSA	CA31.OPSX	CA31.OPSX
VTAM	DEMOX2	UNKNOWN	ACTIVE	CA31.OPSE	CA31.OPSX	CA31.OPSX



RestFul Web Services – Checking RDF Access



CA OPS/MVS™ QA HTTP Testing Application

CA Technologies, Inc.
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Request URI:

POST Payload:

Back GET POST OPTIONS HEAD


Response Headers:

Response Body:

☒ Formatted Data ☐ Show XML

Windows Security

The server ca31 at CA OPS/MVS Web Services requires a username and password.



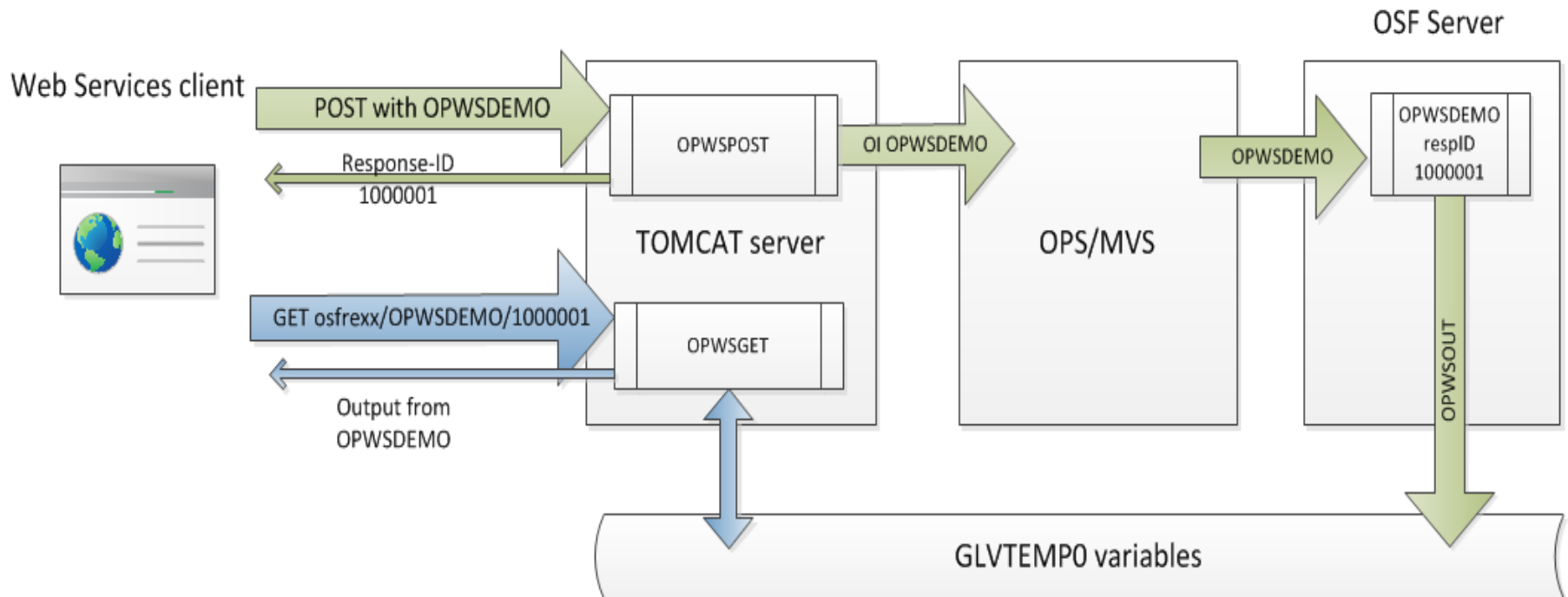
☐ Remember my credentials

OK Cancel

RestFul Web Service to Run OPS/REXX Automation

- POST – initiates OPS/REXX program
 - Web client codes a HTTP POST request with XML
 - URI is simply: `opsmvs/web/osfrexx`
 - XML contains information on the OPS/REXX program, its arguments and which type of OSF server to run in
 - Result XML document returned from POST contains a unique response-ID
- GET – asynchronous call to retrieve output
 - Web client codes a HTTP GET request with response-ID to retrieve output from the OPS/REXX
 - URI is `opsmvs/web/osfrexx/pgmName/resplD`

RestFul Web Service to Run OPS/REXX Automation



RestFul Web Service to Run OPS/REXX Automation

- OPS/REXX program
 - Must decide what output to direct back to the web client by calling **OPWSOUT** for each line
 - OPWSDemo sample provided to demonstrate
- **OPWSOUT** – new REXX function
 - Saves output for later retrieval by a GET osfrexx request
- OPWSDemo – example use
 - Does AOF LIST of ruleset names and returns results by calling OPWSOUT

RestFul Web Service to Generate an API Event

- POST
 - Web client codes a HTTP POST request with XML
 - URI is simply: opsmvs/web/event
 - XML contains information to pass to the OPSAPI function
 - Web Service returns: XML document containing the return code from OPSAPI
 - Two new sample rules for this:
 - APIWSEV - handles **API WS***
 - SECWSEV – SEC OPSAPI

RestFul Web Service to Generate an API Event

- New OPS/REXX Function: **OPSAPI**
- The OPSAPI function lets you generate an API event from any supported REXX environment.
- Triggers an OPS/MVS **API** automation rule. Format:
OPSAPI("EVTCODE('eventcode') EVTTEXT('text')")
- Common API variables filled in by **OPSAPI**:
 - API.APPLICATION - 'OPSAPI'
 - API.ID - value from EVTCODE
 - API.TEXT - with value from EVTTEXT
 - API.VERSION - '12.2'

Visualize Through Mobile

**CA OPS/MVS Mobile ---
SSM State Mismatch Resources**



CA OPS/MVS Mobile --- SSM State Mismatch Resources



CA OPS/MVS Mobile --- SSM State Mismatch Resources

SOS only 12:40 PM 100%

Home

State Mismatch Summary on All Systems

Tue Oct 28/2014 12:40:44 PM AEST

SYSNAME	NAME	JOBNAME	TYPE	CURRENT_STATE	DESIRED_STATE	PREV_STATE	MODE
CA31	TBXX0111	TBXX0111	UNKNOWN	TERM	UP	TERM UP	ACTIVE
CA31	TBXX0112	TBXX0112	UNKNOWN	TERM	UP	TERM UP	ACTIVE
CA31	TBXX0114	TBXX0114	UNKNOWN	TERM	UP	TERM UP	ACTIVE
CA31	TBXX0115	TBXX0115	UNKNOWN	TERM	UP	TERM UP	ACTIVE
CA31	TBXX0116	TBXX0116	UNKNOWN	TERM	UP	TERM UP	ACTIVE
CA31	TBXX0117	TBXX0117	UNKNOWN	TERM	UP	TERM UP	ACTIVE
CA31	TBXX0118	TBXX0118	UNKNOWN	TERM	UP	TERM UP	ACTIVE
CA31	TBXX0119	TBXX0118	UNKNOWN	TERM	UP	TERM UP	ACTIVE
CA31	TBXX0110	TBXX0110	UNKNOWN	DOWN	UP	NULL	ACTIVE
CA31	TBXX0113	TBXX0113	UNKNOWN	DOWN	UP	NULL	ACTIVE
CA11	CA-99-SCHED	SSMGAR22	QASERVER	DOWN	UNKNOWN	DOWN UNKNOWN	ACTIVE
CA11	CICSAOR	SSMGAR11	QAMOVE	DOWN	UNKNOWN	DOWN UNKNOWN	NOPREREQ
CA11	CICSTOR	SSMGAR12	QAMOVE	DOWN	UNKNOWN	DOWN UNKNOWN	NOPREREQ
CA11	PRISYS-TEST	SSMGAR23	QASERVER	DOWN	UNKNOWN	DOWN UNKNOWN	ACTIVE
CA11	WEBCLIENT	SSMGAR17	QAFIX	DOWN	UP	NULL	ACTIVE
CA31	CSMTP60	CSMTP60	MSMTC	STARTING	UNKNOWN	STARTINGUNKNOWN	PASSIVE

Extend, Simplify the Toolkit

Security

Event Management

OPS/REXX

Switch Operations Facility



Optional Logging of Access Check Failures Using OPSECURE

OPSECURE OPS/REXX function was enhanced so that each function call can override the global SECURITYLOG parameter:

- New syntax:
 - OPSECURE('R',*resourceclass*,*resourcename*,*requestcode*,***logoption***)
 - The ***logoption*** keyword has two values:
 - 'L' value allows logging
 - 'N' value disables logging
- Example: OPSECURE('R','OPERCMD','MVS.VARY','R', 'L')
- Documentation:
 - Command and Function Reference

Propagate USERID with Command

Address OPER PROPUSER keyword enhancement for use in CMD rule:

- Allows OPS/MVS administrators to restrict security authorization of ADDRESS OPER
- Runs the issued command under the USERID authority of the user that triggered the CMD rule
- Applies for commands sent to both the local or a remote system.

- Example:

)CMD command

)PROC

ADDRESS OPER "COMMAND(D T) PROPUSER SYSTEM(OPS31U)"

- Documentation:
 - Command and Function Reference

Let ADDRESS USS Run Under Requestors ID

USS/OSF server was modified to run USS commands under the authority of requestor:

- A new USSSECURITY parameter toggles between security modes:
 - **USSSECURITY=CHECKUSERID** -- new security mode
 - For work sent to servers from rules, the security privileges are those assigned to the user ID that is associated with OPSUSS started task
 - **For work sent to servers from TSO users using the ADDRESS USS host command environment, the security privileges are those assigned to the TSO user ID**
 - USSSECURITY=NOSECURITY – original behavior
 - For all work, the security privileges are those assigned to the user ID that is associated with OPSUSS started task

Support Setting AUTOFLAG for MLWTO MSG Rule

A new keyword option (AUTO/NOAUTO) enables altering MSG.AUTOFLAG for MLWTO MSG rule:

- This keyword option is specified in a MLWTO MSG rule header:
 - Syntax:)MSG *msgidspec* MLWTO [AUTO|NOAUTO]
 - AUTO keyword sets the MSG.AUTOFLAG to '1'
 - NOAUTO keyword sets the MSG.AUTOFLAG to '0'
 - Equivalent to dynamically modifying the AUTO(YES|NO) parameter in the appropriate MPFLSTxx member of the Logical Parmlib Concatenation

OPS/REXX Function OPSTHRSH

New OPSTHRSH function allows throttling of rule firing – that is to exit a rule if it is firing too often:

- Syntax: `cnt = OPSTHRSH('E', 'interval')`
 - works only in AOF rules
 - E option – threshold against the event that triggered the rule
 - cnt – number of occurrences in specified interval (in seconds)
 - counter is reset to 1 after the interval elapses
- Documentation:
 - Command and Function Reference
- Backlog items include A and C options

Address OPER Variable Output

The **CMDRESP(REXX|CLIST)** keyword has been revised to provide command output in variables when executed in a wait enabled environment

- Prior to this change only IMS Type 2 output could create REXX variable output.
- The default variable prefix is **CMDOUT**
- REXX output variable response lines format is **prefix.n**
- REXX token variable format is **prefix.n.m**
- CLIST output variable response lines format is **prefixn**
- CLIST token variable format is **prefixnWm**
- Controlled through new **TOKENS(YES)** keyword. Default is **TOKENS(NO)**.
- The **prefixCONNAME** variable provides the console name
- **Eliminates the need for the OPCMDOUT OPS/REXX sample program to create variable output**

Update of Non-Existing Sysplex Variable Causes Create

- **Old way (in release 12.1)**

```
varname = 'GLVPLXT0.VARTEST.1'
```

```
varval = 'Contents of the variable value'
```

```
update = OPSVASRV("UPDATE NAME("varname") DATAVAR(varval)")
```

```
if vasrv_rc = 4 & (vasrv_rsn = 8 | vasrv_rsn = 16) then
```

```
do
```

```
    createvar = OPSVASRV("CREATE NAME("varname")",  
                          "DATAVAR(varval)")
```

```
end
```


Update of Non-Existing Sysplex Variable Causes Create

- **New way (in release 12.2)**

varname = 'GLVPLXT0.VARTEST.1'

varval = 'Contents of the variable value'

**update = OPSVASRV("UPDATE NAME("varname")
DATAVAR(varval))"**

Switch Operations Facility -- VARYDEV (Y/N) Option

- SOF enhancement for UNBLOCKing a port.
- New VARYDEV option implemented to allow VARY paths online without bringing the devices online
 - Useful when new DASD devices are connected but the DASD volumes not yet been initialized

```
Execute Port Properties Updates

Switch: CSC MDS9K-222 000DEC3EED42 0000
Name: N/A
Port: 05 Name: Real ISL to 0002-0c

Unblock port: 05

Command Options:  Y View Output (Y/N/F)
                  N Exec  Y Vary  Y Backout  N Force (Y/N)  Maxdev= 25
                  N VaryDev (Y/N)
F1=HELP      F2=SPLIT      F3=END      F4=RETURN      F5=RFIND
F6=RCHANGE   F7=UP         F8=DOWN    F9=SWAP       F10=LEFT
```

Miscellaneous Improvements

- OPSINFO() OPS/REXX function enhancement
 - New parameter 'SCHENV' allows caller to obtain WLM Scheduling Environment on JES2 system
- The OPSLOG Profile panel option TIMEFORMAT – C option -- is no longer affected by the PR CLEAR command
- New option to NOT have my previous profile saved
 - New parameter *Clear Opslog Profile* created in OPSVIEW panel 0.1
 - **Y(es)** value clears OPSLOG profile values when re-entering OPSLOG
- OPSVIEW Option 7.6.4 provides the ability to restore an existing or new SYCHK1 dataset from an existing SYCHK1 backup dataset

Introducing CA OPS/MVS Event Management and Automation Release 12.2

Thank You

January 2015

