

CA Release Automation

What's new in v 6.4

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Release Automation 6.4 (GA: April 2017)

- “As Code” Capabilities (DSL)
 - Onboard new applications
- Improve Debug Capabilities (IDC)
 - Reduce MTTR
 - Simplify process execution data retrieval
- Infrastructure Enhancements
 - RDK Improvements
 - High Availability Improvements
 - Cases Backlog
- z/OS Connector 1.1
 - Allocate Datasets & Run Commands
 - MQ Operations

DSL Editor

The screenshot shows the DSL Editor interface. At the top, there is a navigation bar with the CA logo and 'CA Release Automation' on the left, and 'Dashboard', 'Designer', 'Releases', 'Artifacts', 'Environments', 'Administration', and 'DSL' (highlighted) in the center. On the right, it says 'Switch To Express Mode | superuser | Help'. Below the navigation bar, there is a 'Schema:' label on the left and 'Upload', 'Download', and 'Submit' buttons on the right. The main area contains a JSON schema for an application. The schema defines an application with a status of 'EXPORTED', a scope of {}, and an object containing an application type. This application type has a referenceId '@Online Financial Trading Platform', a name 'Re-Online Financial Trading Platform', a description '(Imported)', and a list of components. The components include 'Weblogic', 'Apache', 'Database', and 'JBoss'. At the bottom, a 'Response:' section shows a success message: 'CREATED: APPLICATION "Re-Online Financial Trading Platform" with id "16" was created successfully'.

```
9      {
10         "status": "EXPORTED",
11         "scope": {},
12         "object": {
13             "type": "APPLICATION",
14             "referenceId": "@Online Financial Trading Platform",
15             "name": "Re-Online Financial Trading Platform",
16             "description": "(Imported)",
17             "components": [
18                 {
19                     "type": "COMPONENT",
20                     "referenceId": "@Weblogic",
21                     "name": "Weblogic",
22                     "description": ""
23                 },
24                 {
25                     "type": "COMPONENT",
26                     "referenceId": "@Apache",
27                     "name": "Apache",
28                     "description": ""
29                 },
30                 {
31                     "type": "COMPONENT",
32                     "referenceId": "@Database",
33                     "name": "Database",
34                     "description": ""
35                 },
36                 {
37                     "type": "COMPONENT",
38                     "referenceId": "@JBoss",
39                     "name": "JBoss",
40                     "description": ""
41                 }
42             ]
43         }
44     }
```

Response: 1 0 0 0

CREATED: APPLICATION "Re-Online Financial Trading Platform" with id "16" was created successfully

- Schema and data validation
- Use existing model as template
- Supporting:
 - New Applications
 - New Environments
 - New Components
 - Creating new processes (with flows from shared components)

“As Code” Demo

Improve Debug Capabilities

- Clear emphasis of beginning/end of step, flow and action
- Parameter's value
- Action result

```
1 2016-12-21 14:34:25.10 Starting Step Pre Tomcat Express (ID F233433405)
2 Agent: asec-1234
3
4 Getting Parameters value:
5   IsOK = True
6   WorkDir = C:\Tmp
7   TomcatHome = c:\Apache7.5
8   xmlContent = <?xml version="1.0" encoding="UTF-8"?>
9
10 -----
11 2016-12-21 14:34:25.15 Starting Flow "Pre", Loop type: No Loop (ID F233439305)
12 -----
13 2016-12-21 14:34:25.18 Starting Action "Create Working Directory" (ID F233439305.E233439738)
14   Action Type: Create Folder
15   Pause on Fail: Y
16   Input Fields:
17     New Folder Path = c:\tmp
18     Fail If Exist = True
19 -----
20 2016-12-21 14:34:26.00 Ending Action "Create Working Directory" (ID F233439305.E233439738)
21   Action Finished successfully: Folder created c:\tmp
22   Action Results:
23   Action State: Success
24   Next is "Create Backup Directory" Action
25 -----
26 2016-12-21 14:34:26.50 Starting Action "Create Backup directory" (ID F233439305.E233439739)
27   Action Type: Create Folder
28   Pause on Fail: Y
29   Input Fields:
30     New Folder Path = c:\tmp
31     Fail If Exist = True
32 -----
33 2016-12-21 14:34:26.00 Ending Action "Create Backup Directory" (ID F233439305.E233439739)
34   Action Finished successfully: Folder created c:\tmp
35   Action Results:
36   Action State: Success
37   Next is "Backup Configuration Files" Flow
38 -----
39 2016-12-21 14:34:27.10 Starting Flow "Backup Configuration Files" (ID F233439305.F445782120)
40   Loop Type: Collection
41   Input Fields:
42     Loop Folder = C:\Tmp
43     Starting Iteration #1
44 -----
45 2016-12-21 14:34:27.50 Starting Flow "Backup application war file" (ID F233439305.F445782122)
46   Loop Type: Collection
47   Input Field:
48     Loop Folder = C:\Tmp
49     Starting Iteration #1
50 -----
51 2016-12-21 14:34:27.80 Starting Action "Check if application war file exists" (ID F233439305.F445782122.E235489231)
52   Action Type: Find file or Folder
```

Normal text file

Improve Debug Capabilities

The screenshot displays the CA Release Automation interface for a deployment named 'deploy-0908'. The top navigation bar includes 'CA Release Automation', 'Dashboard', 'Designer', 'Releases', 'Artifacts', 'Environments', 'Administration', and 'DSL'. The user is logged in as 'superuser'. The deployment status is 'Deployment Succeeded'. A timeline shows three stages: 'PRE-DEPLOYMENT' (Validation Done, 00:00), 'DEPLOYMENT' (Done, 01:17), and 'POST DEPLOYMENT' (No Post-Deployment operations have been defined, 00:00). Below the timeline is a table with columns for '#', 'Name', 'Dependencies', 'Status', and 'Time Passed'. A dropdown menu is open over the 'Deploy' step, showing options: 'Downloaded debugging logs of:', 'All steps of this deployment', 'Only on this step', and 'Only on this agent'. A large blue-bordered box contains the text 'Retrieve all data of the deployment'. On the right, a sidebar shows deployment details: Information, Properties, Application (Online Financial Trading Platform), Environment (Dev), Deployment Plan (Release-Web), Build (1), Project (Project1), Type (MAJOR), and Description (No Description).

CA Release Automation | Dashboard | Designer | **Releases** | Artifacts | Environments | Administration | DSL | Switch To Express Mode | superuser | Help

deploy-0908

Deployment Succeeded

PRE-DEPLOYMENT 00:00
Validation Done

DEPLOYMENT 01:17
Done

POST DEPLOYMENT 00:00
No Post-Deployment operations have been defined

#	Name	Dependencies	Status	Time Passed
1	Prepare		Done 100%	00:01:03
2	Deploy	1	Done 100%	00:00:13

Downloaded debugging logs of:
All steps of this deployment
Only on this step
Only on this agent

Retrieve all data of the deployment

Information | Properties

Deployment Started
Feb 22, 2017 9:08 AM

Deployment Schedule
Not Scheduled

Duration
00:01:17

Executor
superuser

Application
Online Financial Trading Platform

Environment
Dev

Deployment Plan
Release-Web

Build
1

Project
Project1

Type: MAJOR

Description
No Description

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IDC Demo



Q & A