

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

 CA Release Automation

DashboardDesignerReleasesArtifactsEnvironmentsAdministrationDSL

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Schema:

+

Upload

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Submit

```
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 2016-12-21 14:34:25.15 Starting Flow "Pre", Loop type: No Loop (ID F233439305)
11
12 2016-12-21 14:34:25.18 Starting Action "Create Working Directory" (ID F233439305.E233439738)
13   Action Type: Create Folder
14   Pause on Fail: Y
15   Input Fields:
16     New Folder Path = c:\tmp
17     Fail If Exist = True
18
19 2016-12-21 14:34:26.00 Ending Action "Create Working Directory" (ID F233439305.E233439738)
20   Action Finished successfully: Folder created c:\tmp
21   Action Results:
22   Action State: Success
23   Next is "Create Backup Directory" Action
24
25 2016-12-21 14:34:26.50 Starting Action "Create Backup directory" (ID F233439305.E233439739)
26   Action Type: Create Folder
27   Pause on Fail: Y
28   Input Fields:
29     New Folder Path = c:\tmp
30     Fail If Exist = True
31
32 2016-12-21 14:34:26.00 Ending Action "Create Backup Directory" (ID F233439305.E233439739)
33   Action Finished successfully: Folder created c:\tmp
34   Action Results:
35   Action State: Success
36   Next is "Backup Configuration Files" Flow
37
38 2016-12-21 14:34:27.10 Starting Flow "Backup Configuration Files" (ID F233439305.F445782120)
39   Loop Type: Collection
40   Input Fields:
41     Loop Folder = C:\tmp
42     Starting Iteration #1
43
44 2016-12-21 14:34:27.50 Starting Flow "Backup application war file" (ID F233439305.F445782122)
45   Loop Type: Collection
46   Input Field:
47     Loop Folder = C:\tmp
48     Starting Iteration #1
49
50 2016-12-21 14:34:27.80 Starting Action "Check if application war file exists" (ID F233439305.F445782122.E235489231)
51   Action Type: Find file or Folder
```

normal text file

Improve Debug Capabilities

The screenshot displays the CA Release Automation web interface. At the top, the navigation bar includes 'CA Release Automation', 'Dashboard', 'Designer', 'Releases' (active), 'Artifacts', 'Environments', 'Administration', and 'DSL'. The user is logged in as 'superuser'. The main content area shows a deployment summary for 'deploy-0908' with a status of 'Deployment Succeeded'. It lists 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 this is a table with tabs for 'Pre Deployment', 'Deployment' (selected), and 'Summary'. The table has columns for '#', 'Name', 'Dependencies', 'Status', and 'Time Passed'. It shows two steps: '1 Prepare' (Done 100%, 00:01:03) and '2 Deploy' (Done 100%, 00:00:13). A dropdown menu for the 'Deploy' step offers 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 provides detailed information about the deployment, including start time, duration, executor, application, environment, deployment plan, build, project, type, and description.

CA Release Automation

Dashboard Designer **Releases** Artifacts Environments Administration DSL

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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

Pre Deployment Deployment Summary

#	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