

# VA 2.3 Step 1 - Provisioning Service Instances to Bluemix via Jenkins Platform

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## 1.1 Create an empty CF application (VA application)

1.1.1 Access the link <https://jenkins.platformdxc.com/job/VADelivery>

File Edit View History Bookmarks Tools Help

Repositories (11) [VADelivery]

https://jenkins.platformdxc.com/job/VADelivery/

Company Automation Others Integration Account testing SNOW Admin Release Testing GESM team AI project VA 2.0 - 00.02 Deploy...

Jenkins

search

Jenkins > VADelivery

Up

Status

Scan Organization Log

Organization Events

People

Build History

Project Relationship

Check File Fingerprint

Open Blue Ocean

GitHub

Build Queue

No builds in the queue.

Build Executor Status

master

1 Idle

jenkins slave Ubuntu 18.04 (i-0105619ea29dfafac)

1 Idle

2 Idle

3 Idle

4 Idle

5 Idle

VADelivery

This Jenkins instance is dedicated to Platform DXC and other DXC projects and is in production. The usual maintenance window is planned every Monday Morning around 09:00 UTC

Next Maintenance: 18 February 2019 - 09:00 UTC

Note: The available windows label are windows2016 and windows2019. Please update your pipelines.

Repositories (11)

S	W	Name ↓	Description
		<a href="#">AON</a>	
		<a href="#">BMS</a>	This repository is owner by Delivery team. Used for BMS VA Deployment
		<a href="#">Delivery-KT</a>	For KT process
		<a href="#">get_started_template</a>	
		<a href="#">Honeywell</a>	
		<a href="#">JCI</a>	
		<a href="#">Jenkins-practicing</a>	
		<a href="#">Lilly</a>	
		<a href="#">va-core-baseline-admin</a>	
		<a href="#">VA_Core_2.0</a>	
		<a href="#">Web-Admin-Console</a>	

1.1.2 Select "get\_started\_template"

		<a href="#">DK2-VA2.3</a>	DK2-VA2.3
		<a href="#">DK2-WEBCHAT</a>	Delivery Kit 2.0
		<a href="#">get_started_template</a>	
		<a href="#">Honeywell</a>	

## 1.2 Create Service Instances: Set Customer Name from Jenkins

### 1.2.1 Create service instances provided by Jenkins Job

1.2.1.1 Select "master" after step 1.1.2 above

**get\_started\_template**

This Jenkins instance is dedicated to Platform DXC and other DXC projects and is in production. The usual maintenance window is planned every Monday Morning around 09:00 UTC

**Jenkins slaves labels (case sensitive)**

OS	Labels
ubuntu 18 04	- no label - line
windows server 2019	- windows2019 - windows
windows server 2016	- windows2016

**Branches (16)**

S	W	Name	Last Success	Last Failure	Last Duration	Par	# Issues
		va-core-1.9.5-for-web-admin	5 mo 0 days - #3	N/A	2 min 54 sec		-
		template/web-admin	1 mo 1 day - #37	N/A	2 min 8 sec		-
		OCIO Prod	8 mo 26 days - #3	N/A	3 min 2 sec		-
		Migration-Plan	5 mo 0 days - #1	N/A	55 sec		-
		master	1 mo 0 days - #102	21 days - #104	3 min 9 sec		-
		Ulsprod	20 days - #2	21 days - #5	3 min 28 sec		-

### 1.2.1.2 Select "Build with parameters" on left menu

**Branch master**

Full project name: VADelivery/get\_started\_template/master

**Stage View**

	Declarative: Checkout SCM	Prepare	Clean Workspace	Checkout Template	Deploy to Bluemix
Average stage times: (Average full run time: ~3min 9s)	402ms	24ms	36ms	487ms	1min 16s
#104 Jul 11 16:47 No Changes	441ms	12ms	20ms	457ms	20s failed
#103 Jul 11 16:42 No Changes	454ms	14ms	22ms	465ms	21s aborted
#102					

### 1.2.1.3 Enter data on:

- APIKey = your APIKey (\*)
  - Region = **us-south**
  - Resource\_Group = your resource group on IBM Bluemix = DXCVirtualAgentRG
  - Org= your organization name on IBM Bluemix = DXCVirtualAgent
  - Prefix= can put your customer name
  - Environment = your environment
  - Space= your space on IBM Bluemix: can input as <VA-Customer-Environment>
  - App\_name= your application name on IBM Bluemix <virtual-agent-Customer-Environment>
- Note:** (\*)

1. API Key can create via this link <https://console.bluemix.net/iam/#/apikeys>.

2. You must have manager permission on your Org then your APIKey will have right to create Space.

If not you should request the person have right to help you create the space (for your environment: Dev, Test, Pro) before you run this step

**Branch master**

This build requires parameters:

ApiKey	0f9l_GFyZgMLGygb24_kgAzC95IeB5ppj0jBE_Wp
region	us-south
resource_group	DXCVirtualAgentRG
org	DXCVirtualAgent
prefix	Demo
environment	DEV
space	VA-Demo-DEV
app_name	virtual-agent-demo-dev
buildFlag	<input checked="" type="checkbox"/>

**Build**

Dashboard / ... / VA 2.3 - 01 Deployment VA Core

1.2.1.4 Check to 'buildFlag' option and click 'Build' button

master [VADelivery > get\_started\_ X +

https://jenkins.platformmxc.com/job/VADelivery/job/get\_started\_template/job/master/

Company Automation Others Integration Account testing SNOW Admin Release Testing GESM team AI project VA 2.0 - 00.02 Deploy...

Jenkins

Jenkins > VADelivery > get\_started\_template > master >

Up

Status

Changes

Build with Parameters

Full Stage View

Open Blue Ocean

GitHub

Embeddable Build Status

Build History

trend

find

#9 Feb 18, 2019 2:07 AM

#8 Nov 29, 2018 7:38 AM

RSS for all RSS for failures

Branch master

Full project name: VADelivery/get\_started\_template/master

Recent Changes

Stage View

Average stage times: (Average full run time: ~23s)

#9 Feb 18 No Changes 09:07

#8 Nov 29 No Changes 14:38

Declarative: Checkout SCM	Prepare	Clean Workspace	Checkout Template	Deploy to Bluemix
2s	73ms	65ms	72ms	18s
627ms	82ms	70ms	81ms	
3s	64ms	61ms	63ms	18s

Permalinks

Last build (#9). 0 26 sec ago

Last stable build (#8). 2 mo 20 days ago

Last successful build (#8). 2 mo 20 days ago

1.2.1.5. Open 'Console Output' in the job (Eg: #9) and check if having 'Finished: SUCCESS' displayed at the end of page, the services are provisioned successfully, if not you can investigate till it is successfully build

1.2.1.6. Switch to Bluemix <https://cloud.ibm.com/resources/>

Verify if the application name what we have just created, this displayed under 'Cloud Foundry Application', eg:

Resource list

Name	Group	Location	Offering	Status
<input type="text" value="dk23"/>	<input type="text" value="Filter by group or org..."/>	<input type="text" value="Filter..."/>	<input type="text" value="Filter..."/>	<input type="text" value="Filter..."/>
> Devices (0 / 0)				
> VPC Infrastructure (0 / 0)				
> Kubernetes Clusters (0 / 0)				
▼ Cloud Foundry Apps (1 / 38)				
js virtual-agent-dk23-dev	DXCVirtualAgent / VA-DK23-DEV	Dallas	SDK for Node.js™	● Running
> Cloud Foundry Services (3+ / 100+)				

Bluemix services have been generated by Jenkins Job under 'Cloud Foundry Services':

<div>&gt; Kubernetes Clusters (0 / 0)</div>					
<div>&lt; Cloud Foundry Apps (1 / 38)</div>					
<div>js</div>	virtual-agent-dk23-dev	DXCVirtualAgent / VA-DK23-DEV	Dallas	SDK for Node.js™	<div>● Running</div>
<div>&lt; Cloud Foundry Services (3 / 175)</div>					
<div>⚙️</div>	DK23-API-Connect-DEV	DXCVirtualAgent / VA-DK23-DEV	Dallas	API Connect	Provisioned
<div>⚙️</div>	DK23-Auto-Scaling-DEV	DXCVirtualAgent / VA-DK23-DEV	Dallas	Auto-Scaling	Provisioned
<div>⚙️</div>	DK23-Availability-Monitoring-DEV	DXCVirtualAgent / VA-DK23-DEV	Dallas	Availability Monitoring	Provisioned

## 1.3 Create service connection to CF application

### 1.3.1 Create Conversion Connection

1.3.1.1 Click on the Application name in Bluemix <https://cloud.ibm.com/resources> with your space and select your application link

Resource list				
Name ▲	Group	Location	Offering	Status
Q dk23	Filter by group or org...	Filter...	Q Filter...	Q Filter...
> Devices (0 / 0)				
> VPC Infrastructure (0 / 0)				
> Kubernetes Clusters (0 / 0)				
☑ Cloud Foundry Apps (1 / 38)				
js virtual-agent-dk23-dev	DXCVirtualAgent / VA-DK23-DEV	Dallas	SDK for Node.js™	● Running

1.3.1.2 Select 'Overview' link of Application name:

The screenshot shows the 'Overview' page for the application 'virtual-agent-dk23-dev'. The left sidebar has 'Overview' selected. The main content area shows the application name, status (Running), and a 'Visit App URL' link. Below this, it displays 'Org: DXCVirtualAgent', 'Location: Dallas', and 'Space: VA-DK23-DEV'. The 'Runtime' section shows three metrics: BUILDPAK (SDK for Node.js™), INSTANCES (1, All instances are running, Health is 100%), and GB MEMORY PER INSTANCE (2).

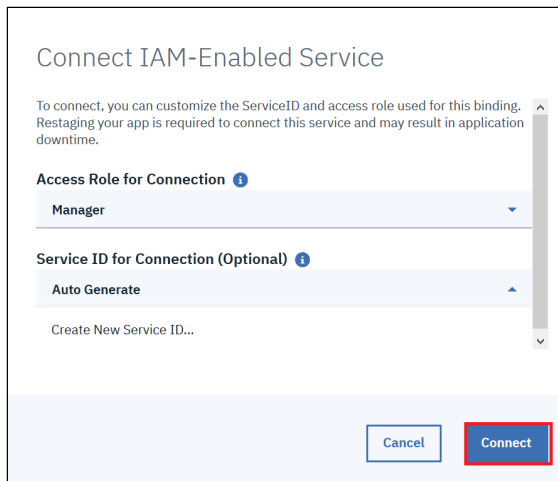
1.3.1.3. Go to 'Connections' area and click on 'Create Connection' button.

The screenshot shows the 'Connections' page for the application 'virtual-agent-dk23-dev'. The left sidebar has 'Connections' selected. The main content area shows a list of existing connections: DK23-API-Connect-DEV, DK23-Auto-Scaling-DEV, and DK23-Availability-Monitoring-DEV. At the bottom, there is a 'Create connection' button.

1.3.1.4 'Connect Existing Compatible Service' screen is displayed, we go to search our service name and select 'Connect' for each of these items

The screenshot shows the 'Connect Existing Compatible Service' screen. A search bar at the top right contains 'dk23'. Below the search bar, there is a table with columns: SERVICES, RESOURCE GROUP, PLAN, and SERVICE OFFERING. The table lists three services: DK23-Cloudant-NoSQL-DB-DEV, DK23-Conversation-DEV, and DK23-Log-Analysis-DEV. The 'DK23-Conversation-DEV' row is highlighted, and a 'Connect' button is visible at the end of the row.

1.3.1.5. The popup 'Connect IAM-Enabled Service' displayed, we select data as the screen below and click 'Connect' button.



Connect IAM-Enabled Service

To connect, you can customize the ServiceID and access role used for this binding. Restaging your app is required to connect this service and may result in application downtime.

Access Role for Connection ⓘ

Manager

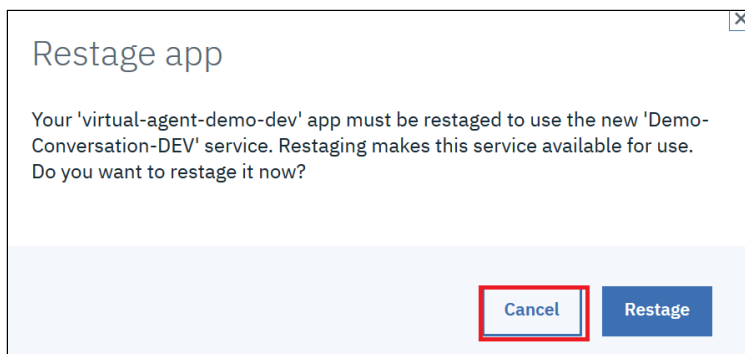
Service ID for Connection (Optional) ⓘ

Auto Generate

Create New Service ID...

Cancel Connect

1.3.1.6. Select 'Restage' button if you want to redeploy. If not we select 'Cancel' button



Restage app

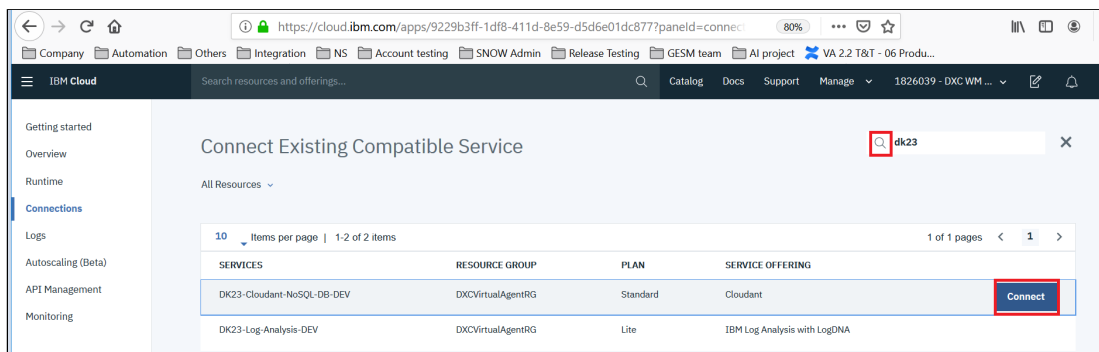
Your 'virtual-agent-demo-dev' app must be restaged to use the new 'Demo-Conversation-DEV' service. Restaging makes this service available for use. Do you want to restage it now?

Cancel Restage

**Note:** we should choose 'Cancel' in this step

### 1.3.2 Create 'Cloudant' connection

Do from step 1.3.1.1 to step 1.3.16 to create connection for 'Cloudant'



Connect Existing Compatible Service

dk23

All Resources

10 Items per page | 1-2 of 2 items | 1 of 1 pages

SERVICES	RESOURCE GROUP	PLAN	SERVICE OFFERING
DK23-Cloudant-NoSQL-DB-DEV	DXCVirtualAgentRG	Standard	Cloudant
DK23-Log-Analysis-DEV	DXCVirtualAgentRG	Lite	IBM Log Analysis with LogDNA

Connect

## Connect IAM-Enabled Service

To connect, you can customize the ServiceID and access role used for this binding. Restaging your app is required to connect this service and may result in application downtime.

### Access Role for Connection ⓘ

Manager

### Service ID for Connection (Optional) ⓘ

Auto Generate

Cancel

Connect

## Restage app

Your 'virtual-agent-dk23-dev' app must be restaged to use the new 'DK23-Cloudant-NoSQL-DB-DEV' service. Restaging makes this service available for use. Do you want to restage it now?

Cancel

Restage

### 1.3.3 Create 'Log-Analysis' connection

**Note:** At the moment LogDNA can only be configured for IKS clusters and Linux resources. This is noted on the Getting Started page of the Log Analysis service. There are plans to make CF apps an available resource for this service in the future so we will waiting till this issue resolved we will create this connection

**==> We will ignore this step till, it has been fixed.**

<https://cloud.ibm.com/docs/services/Log-Analysis-with-LogDNA?topic=LogDNA-getting-started#getting-started> If your apps are deployed in an IKS cluster, the following links would ensure your set up is configured correctly. <https://cloud.ibm.com/docs/services/Log-Analysis-with-LogDNA?topic=LogDNA-kube#kube>  
[https://cloud.ibm.com/docs/services/Log-Analysis-with-LogDNA?topic=LogDNA-config\\_agent#config\\_agent](https://cloud.ibm.com/docs/services/Log-Analysis-with-LogDNA?topic=LogDNA-config_agent#config_agent)

Connect IAM-Enabled Service

To connect, you can customize the ServiceID and access role used for this binding. Restaging your app is required to connect this service and may result in application downtime.

Access Role for Connection

Manager

Service ID for Connection (Optional)

Auto Generate

[403, Forbidden] You are not authorized to perform the requested action

Cancel

Connect

Getting started	Campbell-Conversation-Test	DXCVirtualAgentRG	Standard	Watson Assistant
Overview	Cloudant-Pushpa-TestDel	DXCVirtualAgentRG	Standard	Cloudant
Runtime	Delivery-Cloudant-DB	DXCVirtualAgentRG	Standard	Cloudant
Connections	Demo-Log-Analysis-DEV	DXCVirtualAgentRG	Lite	IBM Log Analysis with LogDNA
Logs	Honeywell-Cloudant-Dev	DXCVirtualAgentRG	Standard	Cloudant
Autoscaling (Beta)	Honeywell-Cloudant-Production	DXCVirtualAgentRG	Standard	Cloudant
API Management				

1.4 Create catalog in CF application

- 1.4.1 Go to Bluemix dashboard with your application then select Resource List
- 1.4.2 Select your 'API Connect' service under 'Cloud Foundry Services'

Name	Group	Location	Offering	Status	Tags
dk23	Filter by group or org...	Filter...	Filter...	Filter...	Filter...
Cloud Foundry Apps (1 / 38)					
virtual-agent-dk23-dev	DXCVirtualAgent / VA-DK23-DEV	Dallas	SDK for Node.js™	Running	
Cloud Foundry Services (5 / 177)					
DK23-API-Connect-DEV	DXCVirtualAgent / VA-DK23-DEV	Dallas	API Connect	Provisioned	
DK23-Auto-Scaling-DEV	DXCVirtualAgent / VA-DK23-DEV	Dallas	Auto-Scaling	Provisioned	
DK23-Availability-Monitoring-DEV	DXCVirtualAgent / VA-DK23-DEV	Dallas	Availability Monitoring	Provisioned	
DK23-Cloudant-NoSQL-DB-DEV	DXCVirtualAgent / VA-DK23-DEV	Dallas	Cloudant	Provisioned	
DK23-Conversation-DEV	DXCVirtualAgent / VA-DK23-DEV	Dallas	Watson Assistant	Provisioned	

1.4.3 Select Add>Catalog

Dashboard

Add

Catalog Add

Sandbox

1.4.4 Input data in 'Add Catalog' form then click 'Add' button

Add Catalog

Display Name \*

demo-dev-catalog-api

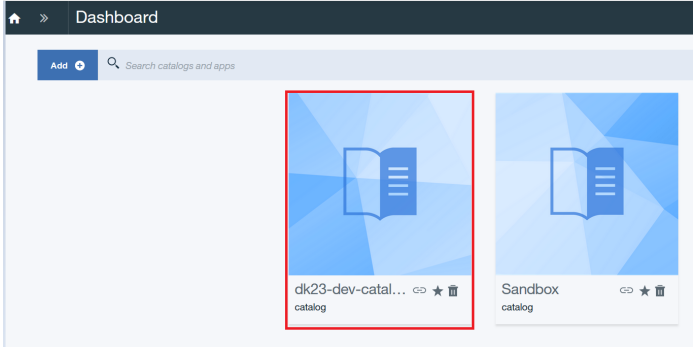
Name \*

demo-dev-catalog-api

Cancel

Add

1.4.5 After click 'Add' button, ensure the catalog created successfully



No labels