

User Manual - Watson Maintenance Advisor

Deploy to Bluemix and Service Configuration



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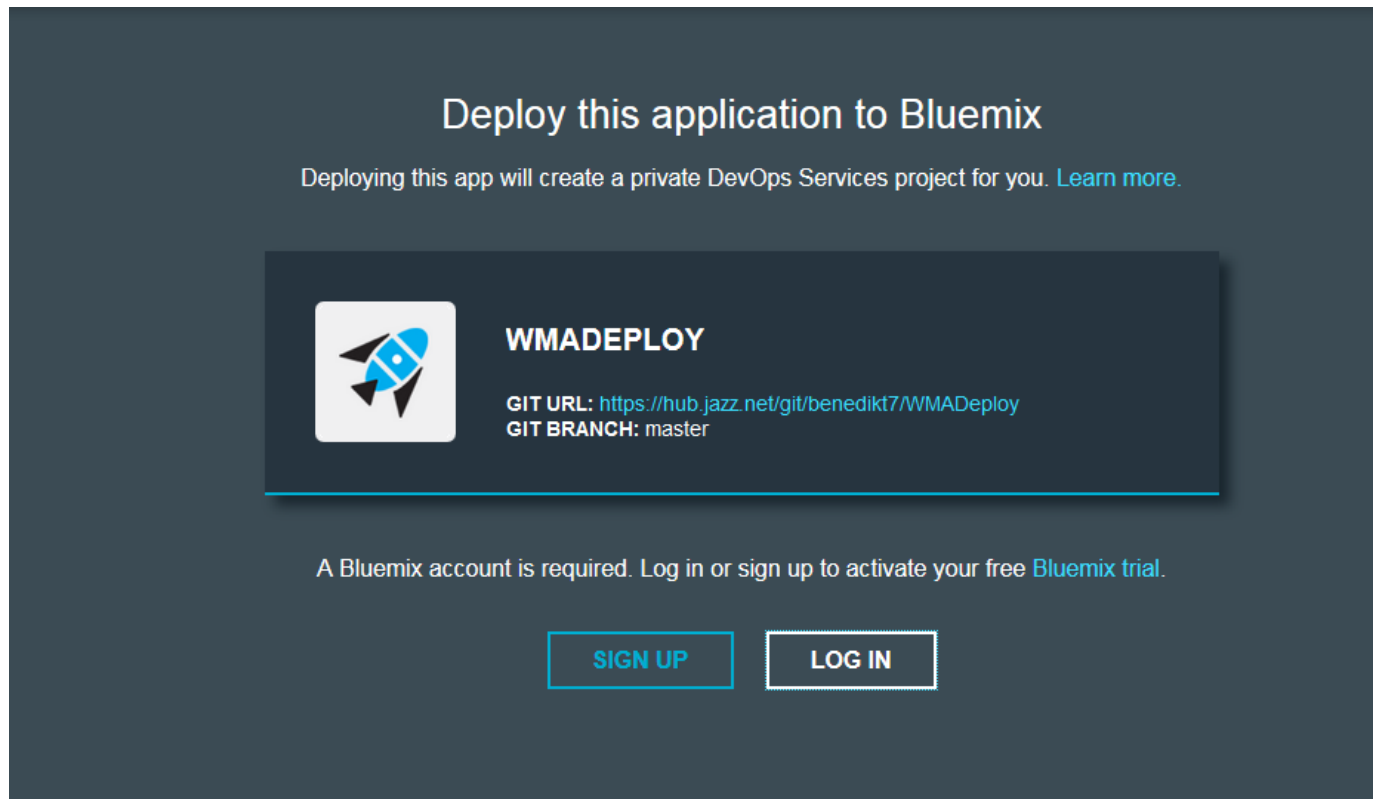
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1. User Manual

1.1 Start Deploy

1. Press Deploy to Bluemix button for the WatsonMaintenanceAdvisor application
2. Log In with your Bluemix Account



3. Select an individual application name and the space you want the application deploy. **It's important to select US South as region**, as there are some additional adjustments required for the other regions.
In the case that you use a trial Bluemix account, please ensure **that you have no services created** as the application configures 10 services (maximum allowed for a trial account). If you have running applications, please **ensure that you have 2 GB free RAM** that is needed to start the application (by stopping some of the running applications).

Deploy this application to Bluemix

Deploying this app will create a private DevOps Services project for you. [Learn more.](#)



WMADEPLOY

GIT URL: <https://hub.jazz.net/git/benedikt7/WMADeploy>
GIT BRANCH: master

APP NAME

WMADeploy-plamenk13-1027

REGION

IBM Bluemix US S... ▼

ORGANIZATION

wma ▼

SPACE

testus ▼

DEPLOY

4. The Deploy process will take around 8 minutes.
5. Click on Dashboard after your application was succesfull deployed

Deploy this application to Bluemix

Deploying this app will create a private DevOps Services project for you. [Learn more.](#)



WMADEPLOY

GIT URL: <https://hub.jazz.net/git/benedikt7/WMADeploy>
GIT BRANCH: master

- ✓ Created project successfully
- ✓ Cloned repository successfully
- ✓ Configured pipeline successfully
- ✓ Deployed to Bluemix successfully

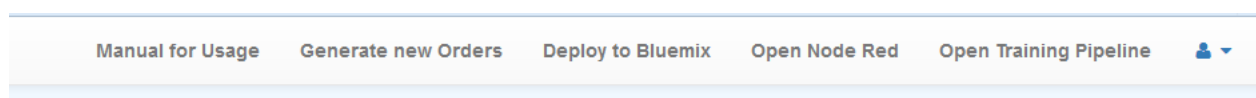
Success!

You've added an instance of this app to your organization in Bluemix.

[VIEW YOUR APP](#)[EDIT CODE](#)

6. Press view App to display the Trainings Interface (The Website may take 2 more minutes to be available)

7. Click open Training Pipeline to Access the Gui to setup the Watson Services.



8. Follow the orders below to configure your Watson Services

The screenshot displays the 'WMA - Training Pipeline' interface, which is divided into four main configuration panels:

- 1. Global Machine Configuration:** Includes fields for 'Machine Configuration' (weberstationm6), 'Solr cluster configuration file', and 'Input Document'. Buttons include 'SET DEFAULT MACHINE', 'CONFIRM MACHINE NAME', and 'SET DEFAULT FILES'.
- 2. Create Solr Cluster, Collection and Ranker:** Includes fields for 'Rank & Retrieve - User name', 'Document Conversation - Password', 'Rank & Retrieve - Password', 'Document Conversation - User name', and 'Collection'. Buttons include 'CREATE AND TRAIN CLUSTER' and 'PULL CREDENTIALS'. A 'Log Output' section and a 'State Training' gauge (0-100) are at the bottom.
- 3. Setup Visual Recognition:** Includes fields for 'Visual Recognition - API Key', 'Negative images', 'Positive images', 'Visual Recognition Class', and 'Classifier name'. Buttons include 'TRAIN VISUAL RECOGNITION' and 'PULL CREDENTIALS'. A 'Log Output' section and a 'State Visual REcognition' gauge (0-100) are at the bottom.
- 4. Setup Dialog:** Includes fields for 'User name', 'Password', and 'Dialog config file'. Buttons include 'CREATE COMPLEX DIALOG', 'CREATE STANDARD DIALOG', and 'PULL CREDENTIALS'. A 'Log Output' section is at the bottom.

2.1 Preparation

1. Set-up a name for the global machine configuration and confirm the name with the Button “Confirm Machine Name”.

3.1 Retrieve and Rank

1. Configure the Solr cluster configuration file or use the default file (Press “Set Default Files”).
2. Configure the input file for the training or use the default file (Press “Set Default Files”).
3. Press “Pull Credentials” for the Retrieve and Rank service to get the credentials for the bound Retrieve and Rank and Document Conversation Services.
4. Create the cluster with the specified configuration by pressing “Create and Train Cluster”.
5. The Log Output below will display the cluster id. It can take several minutes until the cluster is ready to use.

4.1 Visual Recognition

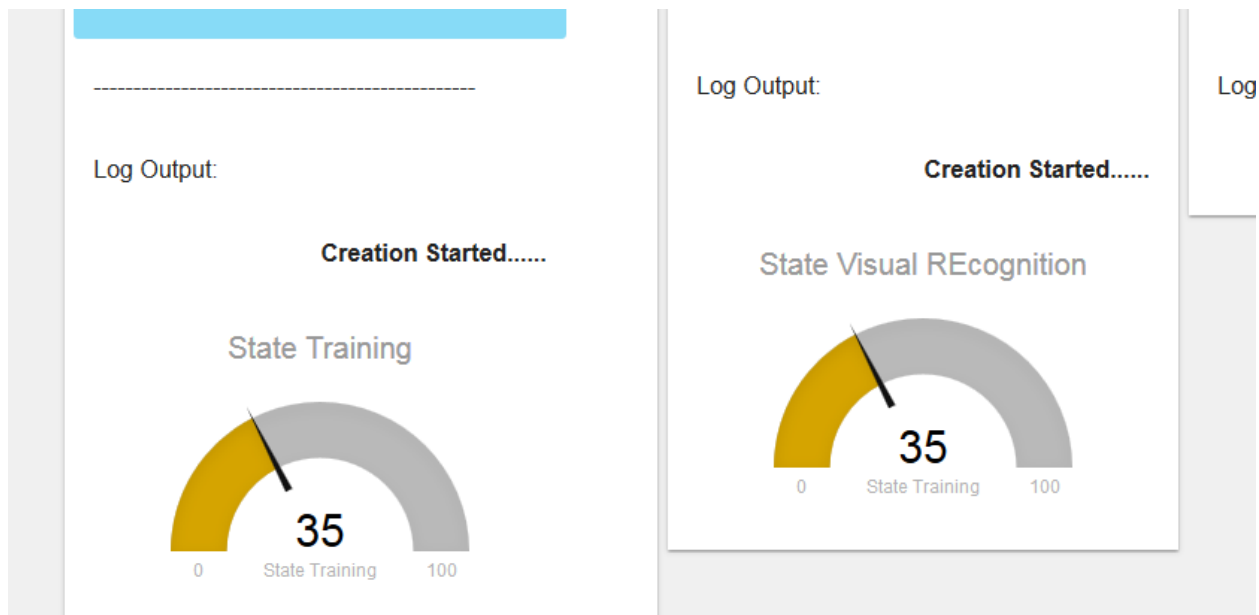
1. Press “Pull Credentials” for the Visual Recognition service to get the credentials for the bound Visual Recognition service.
2. Specify your positive and negative pictures for the training or use the default pictures.
3. Start the training by clicking “Train Visual Recognition”.
4. The Log Output will display the classifier Id.

5.1 (Dialog Service)-old

1. Press “Pull Credentials” for the Dialog Service to get the credentials for the bound Dialog Service.
2. Specify the xml file for the training or use the default file.
3. Start the training by clicking “Create Dialog”.
4. The Log Output will display the dialog Id.

6.1 Successful Training

The Gui will display your progress:



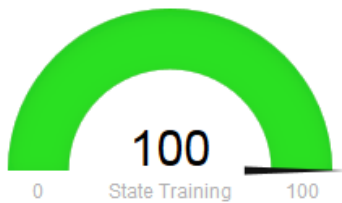
Once your Services are configured you will get a success message:

The cluster was successful created with the specified configuration. Moreover was the service successful trained with the specified document

Cluster ID:

20c

State Training



Log Output:
The following classifier was trained for the specified positive and negative pictures

Classifier ID:

State Visual REcognition



2. Solve Typical Problems

1.1 Open the log if the Deploy failed



The screenshot shows a deployment status interface for a project named WMADEPLOY. At the top, there is a header section with a rocket icon, the project name, and the Git URL and branch. Below this, a list of steps shows three successful actions (Created project, Cloned repository, Configured pipeline) and one failed action (Deploy to Bluemix). A large 'Deployment Failed!' message is centered, followed by instructions to check the deployment log and read troubleshooting tips.

WMADEPLOY
GIT URL: <https://hub.jazz.net/git/benedikt7/WMADeploy>
GIT BRANCH: master

- ✓ Created project successfully
- ✓ Cloned repository successfully
- ✓ Configured pipeline successfully
- ⚠ Deploy to Bluemix failed

Deployment Failed!

Check out the [deployment log](#). Read the [troubleshooting tips](#). Investigate via the actions below.

2.1 Typical Problems

Problem Description	Solution
Number of Services exceeded	Delete your actually used Services or select an empty region or create a new Account.
Memory Usage exceeded	Delete or stop your actually used Apps or change to an empty space.
In this region, your account does not have any organizations or spaces yet.	Create a new Space or Select another region.
Ranker Problem	Select another input document or restructure the input document and restart the creation.
Cloned repository failure	There is probably a temporary problem with Bluemix, check the status on: https://status.eu-gb.bluemix.net/
Service offering iotf-service not found	Select region US South
IBM DevOps Services is currently unavailable	You have to wait until DevOps is available. Check the status: https://status.hub.jazz.net/



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Route 100
Somers, NY 10589

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