TIBCO Cloud™ Integration - Flogo® (PAYG)
Getting Started

Version 2.11.0

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Contents

TIBCO Documentation and Support Services

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the TIBCO Product Documentation website, mainly in HTML and PDF formats.

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product. To access the latest documentation, visit https://docs.tibco.com.

Product-Specific Documentation

Documentation for TIBCO Cloud™ Integration - Flogo® (PAYG) is available on the TIBCO Cloud Integration - Flogo (PAYG) Product Documentation page.

The following documents can be found on the TIBCO Documentation site:

- *TIBCO Cloud™ Integration - Flogo® (PAYG) Release Notes*
- *TIBCO Cloud™ Integration - Flogo® (PAYG) Getting Started*
- *TIBCO Cloud™ Integration - Flogo® (PAYG) User's Guide*
- *TIBCO Cloud™ Integration - Flogo® (PAYG) Activities and Triggers Guide*

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit http://www.tibco.com/services/support.
- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at https://support.tibco.com.
- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to https://support.tibco.com. If you do not have a user name, you can request one by clicking Register on the website.

How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the TIBCO Ideas Portal. For a free registration, go to https://community.tibco.com.

Overview

TIBCO Cloud Integration - Flogo (PAYG) allows you to develop event-driven apps quickly and easily, and run them in containers on Amazon ECS, Amazon EKS, or Amazon Fargate. It is available on AWS Marketplace with a flexible Pay As You Go (PAYG) model.

TIBCO Cloud Integration - Flogo (PAYG) provides two fulfillment options - **Flogo Web UI Image** and **Flogo Runtime Docker Image**. Download **Flogo Web UI Image** to design the app and download **Flogo Runtime Docker Image** to package and run the app.

Preparing to Use TIBCO Cloud Integration - Flogo (PAYG)

To use TIBCO Cloud Integration - Flogo (PAYG), you need:

- An AWS Marketplace account. To create an account, sign up to Amazon Web Services and follow the instructions.
- A valid subscription to TIBCO Cloud Integration - Flogo (PAYG). See Subscribing to TIBCO Cloud Integration - Flogo (PAYG).
- A current version of Docker installed on your system. See Docker Documentation.

Subscribing to TIBCO Cloud Integration - Flogo (PAYG)

To get started, you must first access AWS Marketplace and subscribe to TIBCO Cloud Integration - Flogo (PAYG).

Procedure

1. Log in to the AWS Marketplace and click **Discover Products** in the left pane.
   A list of all the available apps is displayed.

2. Search for `Flogo` to find the TIBCO Cloud Integration - Flogo (PAYG) product listing.

3. Click the link to open the TIBCO Cloud Integration - Flogo (PAYG) page and click **Continue to Subscribe**.

4. Read the terms and then click **Accept Terms**.

5. Click **Continue to Configuration**.

What to do next

Download and pull the Docker images. See Pulling Docker Images.

Pulling Docker Images

TIBCO Cloud Integration - Flogo (PAYG) provides the following options for downloading Docker images:

1. **Flogo Web UI Image**: Use this option to develop a lightweight Flogo app using a web UI.

   For more information, see Flogo Web UI Image.

2. **Flogo Runtime Base Image**: After you develop a Flogo app by using the **Flogo Web UI Image** option and build an app binary, you can run it in Docker containers on ECS, EKS, or Fargate.

   For more information, see Flogo Runtime Docker Image.

> An app created by using **Flogo Web UI Image** can run only on AWS Container Services (including ECS, EKS, and Fargate).

Flogo Web UI Image

Download the Flogo Web UI Image

On the **Configure this software** page:

1. Under **Fulfillment Option**, click **Select a Container** and select **Flogo Web UI Image**.
2. Select a version from the **Software Version** list and click **Continue to Launch**.
3. On the **Launch this Software** page, click **Usage Instructions** to pull and launch Flogo Web UI. Or, use the following procedure.

Pull the Docker Image

1. Ensure that you have installed the latest version of the AWS CLI and Docker. For more information, see ECR documentation.
2. Click the **View container image details** as shown in the following screen. Follow the instructions to authenticate and pull the Docker image.

   Container Images

   This product has **1 container image**. Use the following options to deploy the product.

   View container image details

3. Pull the Flogo Web UI image using the Docker pull command:
   ```
   docker pull
   <AWS_account_id>.dkr.ecr.<region_name>.amazonaws.com/<image ID>/<app_name>-latest
   ```
   Example:
   ```
   docker pull
   <AWS_account_id>.dkr.ecr.<region_name>.amazonaws.com/eff03791-02e5-4d37-
   b81f-7018d6bbdfd7/cg-1785342077/<app_name>-latest
   ```

   > Ensure that you run the following command to authenticate your Docker client with AWS ECR:
   > ```
   > aws ecr get-login --no-include-email --region <region_name>
   > ```

4. Tag the Docker image. For example, use:
   ```
   flogo-webui:<version>
   ```

Run the Flogo Web UI Image

After you download the Flogo Web UI Image, run it using the following steps:

1. Launch the Docker container using the following Docker command:

```
docker run -it -e STUDIO_PORT=<STUDIO_PORT> -p <STUDIO_PORT>:8090 -v $PWD/data:/usr/
flogo/data -v $PWD/apps:/usr/flogo/apps -v /var/run/docker.sock:/var/run/docker.sock
--name <CONTAINER NAME> --rm flogo-webui:2.11.0
```

   Where:

   - `STUDIO_PORT` is the port of the host mapped to 8090.

   - A local `apps` folder must be mapped to `/usr/flogo/apps` to preserve apps after every restart.

   Example:

```
docker run -it -e STUDIO_PORT=8921 -p 8921:8090 -v $PWD/data:/usr/flogo/data -v $PWD/
apps:/usr/flogo/apps
-v /var/run/docker.sock:/var/run/docker.sock --name flogopayg --rm flogo-webui:2.11.0
```

2. Open `http://localhost:<PORT>` in your browser to access TIBCO Flogo Web UI.

3. Design or develop apps using the web user interface. For information about developing apps using the web user interface, see "Container Deployments for AWS Marketplace" section in *TIBCO Cloud™ Integration - Flogo® (PAYG) User's Guide*.

Flogo Runtime Docker Image

Download the Flogo Runtime Image

On the **Configure this software** page:

1. Under **Fulfillment Option**, click **Select a Container** and select **Flogo Runtime Base Image**.

2. Select a version from the **Software Version** list, then click **Continue to Launch**.

3. On the **Launch this software** page, click **Usage Instructions** to see the **Pull Command** instructions. Or, use the following procedure.

Pull the Docker Image

1. Ensure that you have installed the latest version of the AWS CLI and Docker, For more information, see ECR documentation.

2. Click **View container image details** as shown in the following screen. Follow the instructions to authenticate and pull the Docker image.

3. Pull the Flogo Runtime base Docker image using the `docker pull` command as follows:

```
<AWS_account_id>.dkr.ecr.<region_name>.amazonaws.com/<image ID>/<app_name>-latest
```

```
<AWS_account_id>.dkr.ecr.<region_name>.amazonaws.com/eff03791-02e5-4d37-
b81f-7018d6bbdfd7/cg-2321219494/<app_name>-latest
```

> Make sure you run the following command to authenticate your Docker client with AWS ECR:
>
> ```
> aws ecr get-login --no-include-email --region <region_name>
> ```

4. Tag the Docker image. For example, use:

```
docker tag
<AWS_account_id>.dkr.ecr.<region_name>.amazonaws.com/eff03791-02e5-4d37-
b81f-7018d6bbdfd7/cg-2321219494/<app_name>-latest
flogo-runtime:latest
```

Develop a Flogo app

For more information on developing a Flogo app, see "Developing TIBCO Flogo Apps" section in the *TIBCO Cloud™ Integration - Flogo® (PAYG) User's Guide*.

Run a Flogo app on an AWS Container Service

After you have developed a Flogo app and created its app binary using the Web UI, you can run a Flogo app on your choice of AWS Container Service using the **Flogo Runtime Docker Image**. Supported AWS Container Services are Fargate, ECS, and EKS.

For more information on building the app binary and running it on AWS Container Service, see "Build the Flogo Application Docker Image" section in the *TIBCO Cloud™ Integration - Flogo® (PAYG) User's Guide*.

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