

# Heroku Cloud Deployment Document

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## Model Setup:

### Loading the Data:

```
iris = load\iris()
X, y = iris.data, iris.target
```

### Training the Data:

```
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
clf = DecisionTreeClassifier(random_state=42)
clf.fit(X_train, y_train)
```

### Predicting the Data:

```
y_pred = clf.predict(X_test)
accuracy = clf.score(X_test, y_test)
print(f"Accuracy: {accuracy}")
```

## Deployment Steps:

The composite image displays four screenshots of the Heroku web interface, illustrating the deployment steps for the 'middeployment' application.

- Welcome to Heroku:** Shows the initial setup screen with three main buttons: "Add a payment", "Create a new app", and "Create a team".
- Create New App:** A modal window for creating a new application named "middeployment" in the United States region. It includes fields for "App name", "Region", and "Add to pipeline...".
- middeployment Dashboard:** The application's dashboard showing basic metrics and deployment options. It includes sections for Overview, Resources, Deploy, Metrics, Activity, Access, and Settings. The Deploy section highlights the "Pipelines" feature.
- Deployment Method:** A configuration page for connecting the application to external services. It shows GitHub connected and Container Registry listed under "Deployment method".

