1. Install the required Jenkins plugins. Go to Manage Jenkins > Manage Plugins. Search for and install the following plugins:
   * Docker
   * Docker Pipeline Plugin
   * MSBuild Plugin
   * .NET SDK Support
2. Configure the .NET tools. Go to Manage Jenkins > Global Tool Configuration > .NET SDK. Click Add .NET SDK and enter the following information:
   * Name: .NET Core
   * Label: (leave empty)
   * .NET Version: .NET 6.0 — Long-Term Support
   * Release: 6.0.7
   * SDK: 6.0.302
   * Platform: linux-x64 (Linux — x64)

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1. Create a freestyle project. Go to Dashboard and click New Item. Select Freestyle project and enter a name for your project.
2. Configure the pipeline. In the Source Code Management section, select Git and enter the URL of your Git repository.
3. Add the build stage. In the Build Triggers section, select the triggers that you want to use to start the pipeline. For example, you can select Poll SCM to poll your Git repository for changes and start the pipeline whenever a change is detected.
4. Add the build steps. In the Build section, click Add build step and select Execute shell. Enter the following command in the Command field:

docker build -t <your-image-name>

1. Add the deploy stage. In the Build section, click Add build step and select Docker Pipeline Plugin > Deploy Docker image to Kubernetes. Enter the following information:
   * Server: The Kubernetes server URL
   * Namespace: The Kubernetes namespace to deploy the image to
   * Image: The name of the Docker image to deploy
   * Application: The name of the Kubernetes deployment to create
2. Save the pipeline. Click Save to save your changes.

Once you have saved the pipeline, you can start it by clicking Run. Jenkins will build your .NET Core app, create a Docker image, and deploy the image to Kubernetes.

Here is an example of a complete Jenkinsfile for a freestyle pipeline to build and deploy a .NET Core API/Web App using Docker:

pipeline {

agent any

triggers {

pollScm 'H/5 \* \* \* \*'

}

stages {

stage('Build') {

steps {

sh 'docker build -t <your-image-name> .'

}

}

stage('Deploy') {

steps {

dockerDeploy(

server: 'https://kubernetes.example.com:443',

namespace: 'default',

image: '<your-image-name>',

application: 'my-app'

)

}

}

}

}