K8 Deployment Step

Objective

Deploy the application using Kubernetes ymal configuration.

The name **Kubernetes** originates from Greek, meaning helmsman or pilot, and is the root of a governor and cybernetic. K8s is an abbreviation derived by replacing the 8 letters “ubernete” with “8”.

## Attributes

|  |  |
| --- | --- |
| **Attributes** | **Description** |
| **1. Base url** | Provide base url. |
| **2. Token** | Provide a token. |
| **3.k8\_plugin\_name** | Give the k8 plugin name |
| **4.data** | Give the data |
| **5.action** | Provide the type of action  1.create 2.recreate |
| **6.value\_type** | Value\_type used to set the value type.  Value types are two types.  1.hb-HandleBars  2.ftl-Freemarker Template Language. |

**K8 Deployment Step Execution Flow:**

**Logic:**

Get k8 deployment plugin information.Preparing Templates for Kubernetes deployment.Read Templates.Add Templates to Deployer.Build K8 API Client with API Key and Base URL.Create Namespace If not Exists , If Exists delete and recreate