Objective:

* Maintain centralized configuration data of DevOps and Automation platforms in GIT
* Provide webservices to programmatically read centralized configuration data
* Authenticate different groups to update configuration information

Support Services:

* DevOps CI/CD Configuration:
  + URI: /devops/cicd/{applicationName}/{environment}
  + Response:

|  |
| --- |
| <devops>  <applicationName></applicationName>  <environment></environment>  <managerID></managerID>  <notificationEmails></notificationEmails>  <ci>  <jenkins>  <url></url>  </jenkins>  <git>  <url></url>  <branch></branch>  </git>  <sonar>  <url>https://www.jfrog.com/artifactory/</url>  <projectID>0XF7612497FFF</projectID>  </sonar>  <artifactory>  <url>https://www.jfrog.com/artifactory/</url>  <location>  <targetRepoPath></targetRepoPath>  <resolutionRepoPath></resolutionRepoPath>  <externalLibs>  <externalLib></externalLib>  <externalLib></externalLib>  </externalLibs>  </location>  <uid>useID</uid>  </artifactory>  </ci>  <cd>  <chef>  <serverName></serverName>  <cookbookNames>  <cookbook></cookbook>  <cookbook></cookbook>  </cookbookNames>  </chef>  <appServers>  <appServer>  <serverName></serverName>  <deploymentPath></deploymentPath>  </appServer>  </appServers>  </cd>  </devops> |

* Automation Configuration:
  + URI: /automation/ui/rtee/{applicationName}/{environment}
  + Response:

|  |
| --- |
| <testAutomation>  <applicationName></applicationName>  <environment></environment>  <applicationURL></applicationURL>  <managerID></managerID>  <notificationEmails></notificationEmails>  <testServerName></testServerName>  <testInstances>  <testInstance>  <testType>{Regression|Insprint|Smoke}</testType>  <testUrl></testUrl>  <testConfig>  <elementConfigFilePath></elementConfigFilePath>  <testCaseFilePath></testCaseFilePath>  <datasetPath></datasetPath>  </testConfig>  <reportURL></reportURL>  </testInstance>  </testInstances>  </testAutomation> |

Users roles:

* Engineer –
  + Creates new configuration file for Application-Environment combination
* Application lead –
  + Edits an existing configuration file
* Application developer –
  + View existing configuration file

Support services features:

[](https://cloud.spring.io/spring-cloud-config/) [Spring cloud config](https://cloud.spring.io/spring-cloud-config/)[Zookeeper](https://zookeeper.apache.org/)

* Supports externalized configuration in a distributed environment
* HTTP, resource-based API for external configuration (key-value pairs, or equivalent YAML content)
* Encrypt and decrypt property values (symmetric or asymmetric)