Narendra Bidari: Uber Coding: Email FailOver

Mailing Services Used

- 1. SendGrid
 - a. Propertyfile : sendgrid.propertiesb. ClassName : SendGridMail.java
 - c. Test: TestSendGrid

d.

- 2. MailGun
 - a. Propertyfile:mailgun.properties.
 - b. ClassName: MailGun.java
 - c. Test: TestMailGun

JSP

- 1. Email.Jsp
 - a. Accepts user input
- 2. End.jsp
 - a. Displays result
 - b. If successful also displays which service used.

Controllers

- 1. /sendMail -- tied to application
 - a. Recives the user input and directs the request towars CallService.sendMail class
 - b. Returns the result in Model
- 2. /sendJsonMail -- Rest POST call
 - a. If passed proper JSON object of type EmailDO then directs towards CallService.sendMail class
 - b. Returns JSON contained result and type of service
- 3. /Email
 - a. Tied to Email.jsp

FailOver

- 1. The project says to try failover between two services, we can achieve by following ways
 - a. Send "grid" in subject to send mail via SendGrid
 - i. If we are currently using MailGun the application changes over its service to SendGrid
 - b. Send "gun" in subject to send via MailGun
 - If we are currently using SendGrid the application changes over its service to MailGun
 - c. In case we have more than one services we can implement something close to Observer design Pattern. While maintain a list of Services in an Array

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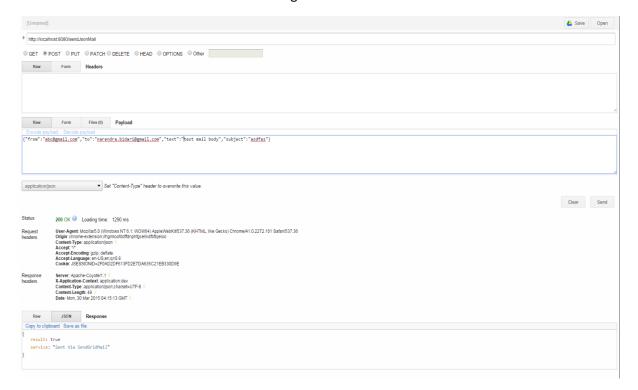
ScreenShot.

1. Normal Sending





2 . JSON sending



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3. JSON Failover from MailGun to SendGrid : change the subject for other switch Over

