

A lot of times you are presented with a xml file which have repeating elements or a list of email address inside a single element. The challenge is to get the data out of this xml and use it in lifecycle

Recently, one of lifecycle customers had a similar problem. They had the following xml

```
<pages>
<emails>
    <email id="1">geebee@yahoo.com</email>
    <email id="2">tblue@yahoo.com</email>
    <email id="3">apink@yahoo.com</email>
</emails>
</pages>
```

They wanted to send an email to the addresses listed in the emails node using lifecycle. To send a email using lifecycle you would use send with document service operation which takes a comma separetd list of email address. The problem was how would you create a string [geebee@yahoo.com](mailto:geebee@yahoo.com),[tblue@yahoo.com](mailto:tblue@yahoo.com),[apink@yahoo.com](mailto:apink@yahoo.com) given the above xml document

I came up with 2 solutions –

1. Using our good old set value operation(this does involve lot more steps)

The important part is getting the count of emails – this is done using the count function found in the nodeset category

```
count(/process_data/xmlFile/pages/emails/*)
```

Once you get the count all you need to do is to loop through node and get each individual email and add the email to a listOfEmails variable which is a list of string

```
/process_data/xmlFile/pages/emails/email[number(/process_data/@counter)]
```

2. Using script component

I have put both the solutions as file attachments. Feel free to use them. Import the lca's using adminui. Once you import them, they would be found under the category ESBlog in the process view of workbench. Invoke the process and provide the attached emails.xml file as your input